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Welcome to the BrightLink 710Ui User's Guide.
For a printable PDF copy of this guide, click here.
Introduction to Your Projector

Refer to these sections to learn more about your projector and this manual.

Projector Features
Notations Used in the Documentation
Where to Go for Additional Information
Additional Projector Software and Manuals
Projector Part Locations

Projector Features

The BrightLink 710Ui projector includes these special features:

Unique interactive functions
• Annotation with or without a computer
• Annotation with two pens at the same time
• Enhanced Easy Interactive toolbar for Windows and Mac
• Touch-based interactivity
• Control your computer from the projected screen
• Print, save, and send your presentations without a computer

Bright, high-resolution projection system
• Up to 4000 lumens of color brightness (color light output) and white brightness (white light output)

Note: Color brightness (color light output) and white brightness (white light output) will vary depending on usage conditions. Color light output measured in accordance with IDMS 15.4; white light output measured in accordance with ISO 21118.

• Native resolution of 1920 × 1200 pixels (WUXGA)

Flexible connectivity
• Three HDMI ports (including one MHL-compatible port) for computer or video device connection
• Plug-and-play 3-in-1 USB projection, audio, and mouse control for instant setup
• Wired and wireless network support for projection
• Projector monitoring and control via remote network computer
• PC Free photo slide shows via connected USB memory devices or Epson document camera
• Use Epson iProjection (Windows/Mac) to simultaneously project up to four images from network computers or mobile devices using the Epson iProjection app
• Projection from iOS or Android devices with the optional wireless LAN module and free Epson iProjection app; visit epson.com/iprojection (U.S.) or epson.ca/iprojection (Canada) for more information

Innovative display and operation features
• Long-life laser light source
• Support for side-by-side projector mounting with continuous annotation
• High digital zoom ratio for larger images in shorter projection distances
• 2500000:1 contrast ratio and Dynamic Contrast control for sharp, detailed images
• Built-in closed captioning decoder
• Powerful 16 W speaker system with audio out port for connecting external speakers
• Epson's Direct Power On and Auto Power On features for quick and easy setup
• Support for Crestron RoomView network monitoring systems
• Network message broadcast system to project timely messages to all networked projectors

Product Box Contents
Additional Components
Optional Equipment and Replacement Parts
Warranty and Registration Information

Parent topic: Introduction to Your Projector

Product Box Contents
Save all the packaging in case you need to ship the projector. Always use the original packaging (or equivalent) when shipping.
Make sure your projector box included all of these parts:

1 Projector
2 Remote control
3 Remote control batteries (2 AA alkaline)
4 Interactive pens and replacement pen tips (4 soft tips, 2 hard tips)
5 Pen tray
6 Ultra-short throw wall mount (ELPMB53)
7 Power cord
8 16.4 ft (5 m) USB cable
9 USB extension cable (for saving)
10 Touch Unit connection cable
11 Touch Unit
12 Markers for Touch Unit setup
13 Touch Unit bracket
14 Labels (4)
15 Tape for securing markers
16 Infrared deflectors (8)
17 Password Protect sticker

Parent topic: Projector Features

Additional Components

Depending on how you plan to use the projector, you may need to obtain additional components.

**Note:** To connect a Mac that does not include a compatible video output port, you need to obtain an adapter that allows you to connect to an input port on the projector. Contact Apple for compatible adapter options. To connect a smartphone or tablet, you may need to obtain an adapter that allows you to connect to the projector. This allows you to mirror your smartphone or tablet screens, watch movies, and more. Contact your device manufacturer for compatible adapter options.

Unless listed as available from Epson in this table, see your local computer or electronics dealer for purchase information.

<table>
<thead>
<tr>
<th>Signal or connection type</th>
<th>Additional component necessary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composite video</td>
<td>RCA-style video or A/V cable</td>
</tr>
<tr>
<td>Component video</td>
<td>D-sub, 15-pin, component-to-VGA video cable or adapter</td>
</tr>
<tr>
<td></td>
<td>Available for purchase from Epson or an authorized Epson reseller.</td>
</tr>
<tr>
<td>HDMI</td>
<td>Compatible HDMI cable</td>
</tr>
<tr>
<td></td>
<td>Available for purchase from Epson or an authorized Epson reseller.</td>
</tr>
</tbody>
</table>

**Note:** Older Mac computers (2009 and earlier) may not support HDMI audio.
<table>
<thead>
<tr>
<th>Signal or connection type</th>
<th>Additional component necessary</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHL</td>
<td>MHL-compatible device or device with an integrated MHL connector, MHL cable, or HDMI cable and MHL adapter compatible with your device. Available for purchase from Epson or an authorized Epson reseller.</td>
</tr>
<tr>
<td>Audio from certain ports</td>
<td>Commercially available audio cable compatible with your device.</td>
</tr>
<tr>
<td>VGA</td>
<td>To connect a computer through its VGA port to the projector's VGA video port, you need a VGA computer cable.</td>
</tr>
<tr>
<td>Multiple BrightLink Pro projectors</td>
<td>To sync additional BrightLink Pro projectors together, you need a stereo mini cable (commercially available) or the remote control cable set (ELPKC28). Available for purchase from Epson or an authorized Epson reseller.</td>
</tr>
</tbody>
</table>

Parent topic: Projector Features

Optional Equipment and Replacement Parts

You can purchase screens, other optional accessories, and replacement parts from an Epson authorized reseller. To find the nearest reseller, call 800-GO-EPSON (800-463-7766) in the U.S. or 800-807-7766 in Canada. Or you can purchase online at epsonstore.com (U.S. sales) or epsonstore.ca (Canadian sales).

Epson offers the following optional accessories and replacement parts for your projector:

<table>
<thead>
<tr>
<th>Option or part</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replacement air filter (ELPAF43)</td>
<td>V13H134A43</td>
</tr>
<tr>
<td>Table projection mount (ELPMB29)</td>
<td>V12H516020</td>
</tr>
<tr>
<td>Wireless LAN module (ELPAP10)</td>
<td>V12H731P02</td>
</tr>
<tr>
<td>Epson DC-06 document camera (ELPDC06)</td>
<td>V12H321005</td>
</tr>
<tr>
<td>Epson DC-07 document camera (ELPDC07)</td>
<td>V12H759020</td>
</tr>
<tr>
<td>Epson DC-11 document camera (ELPDC11)</td>
<td>V12H377020</td>
</tr>
<tr>
<td>Epson DC-12 document camera (ELPDC12)</td>
<td>V12H594020</td>
</tr>
<tr>
<td>Epson DC-13 document camera (ELPDC13)</td>
<td>V12H757020</td>
</tr>
<tr>
<td>Epson DC-20 document camera (ELPDC20)</td>
<td>V12H500020</td>
</tr>
</tbody>
</table>
### Option or part

<table>
<thead>
<tr>
<th>Option or part</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epson DC-21 document camera (ELPDC21)</td>
<td>V12H758020</td>
</tr>
<tr>
<td>Active speakers (ELPSP02)</td>
<td>V12H467020</td>
</tr>
<tr>
<td>Additional interactive pen A (ELPPN05A) (orange)</td>
<td>V12H773010</td>
</tr>
<tr>
<td>Additional interactive pen B (ELPPN05B) (blue)</td>
<td>V12H774010</td>
</tr>
<tr>
<td>Replacement set of hard pen tips (ELPPS03)</td>
<td>V12H775010</td>
</tr>
<tr>
<td>Replacement set of soft pen tips (ELPPS04)</td>
<td>V12H776010</td>
</tr>
<tr>
<td>Remote control cable set (ELPKC28)</td>
<td>V12H005C28</td>
</tr>
<tr>
<td>On Wall Cable Management Kit</td>
<td>ELPCK01</td>
</tr>
<tr>
<td>PowerLite Pilot 2 control box (ELPCB02)</td>
<td>V12H614020</td>
</tr>
<tr>
<td>100 inch (254 cm) whiteboard</td>
<td>V12H831000</td>
</tr>
<tr>
<td>10 ft. (3.0 m) Component-to-VGA video cable</td>
<td>ELPKC19</td>
</tr>
<tr>
<td>10 ft. (3.0 m) HD-TV cable</td>
<td>ELPKC22</td>
</tr>
</tbody>
</table>

In addition to the accessories listed above, 1-year and 2-year extended service plans are available.

**Parent topic:** [Projector Features](#)

### Warranty and Registration Information

Your projector comes with a basic warranty that lets you project with confidence. For details, see the warranty that came with your projector.

In addition, Epson offers free Extra Care Road Service. In the unlikely event of an equipment failure, you won’t have to wait for your unit to be repaired. Instead, Epson will ship you a replacement unit anywhere in the United States, Canada, or Puerto Rico. See the Extra Care Road Service brochure for details.

Register your product online at this site: [epson.com/webreg](http://epson.com/webreg).

Registering also lets you receive special updates on new accessories, products, and services.

**Parent topic:** [Projector Features](#)

### Notations Used in the Documentation

Follow the guidelines in these notations as you read your documentation:

- **Warnings** must be followed carefully to avoid bodily injury.
Where to Go for Additional Information

Need quick help on using your projector? Here's where to look for help:

• **Built-in help system**
  
  Press the **Home** button on the remote control or projector, press the arrow buttons to select the help icon, and press **Enter** to get quick solutions to common problems.

• **Help icon on the bottom whiteboard toolbar**
  
  Select the help icon to get a quick summary of the tools and features available.

• **epson.com/support** (U.S.) or **epson.ca/support** (Canada)
  
  View FAQs (frequently asked questions) and e-mail your questions to Epson technical support 24 hours a day.

• If you still need help after checking this manual and any other sources listed here, you can use the Epson PrivateLine Support service to get help fast. For details, see "Where to Get Help".

Related references
Where to Get Help

Additional Projector Software and Manuals

After connecting and setting up the projector, download the projector software and manuals as necessary.

You can install the projector software programs listed here and view their manuals for instructions on using them.

**Note**: If you still need help after checking this manual and the sources listed here, you can use the Epson PrivateLine Support service to get help fast. For details, see "Where to Get Help".
<table>
<thead>
<tr>
<th>Projector software</th>
<th>Manual</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epson Projector Management (Windows only)</td>
<td>Epson Projector Management Guide</td>
<td>Lets you monitor and control your projector through the network. You can download the latest software and documentation from the Epson web site. Go to epson.com/support (U.S.) or epson.ca/support (Canada) and select your projector.</td>
</tr>
<tr>
<td>Epson iProjection (Windows/Mac)</td>
<td>Epson iProjection Operation Guide</td>
<td>Lets you project the computer screens of users over a network. You can download the latest software and documentation from the Epson web site. Go to epson.com/support (U.S.) or epson.ca/support (Canada) and select your projector.</td>
</tr>
<tr>
<td>EasyMP Network Updater (Windows only)</td>
<td>EasyMP Network Updater Operation Guide</td>
<td>Lets you update firmware for a projector over a wired LAN. You can download the latest software and documentation from the Epson web site. Go to epson.com/support (U.S.) or epson.ca/support (Canada) and select your projector.</td>
</tr>
<tr>
<td>Epson iProjection app</td>
<td>Instructions are included with the app</td>
<td>Lets you project from an iOS device, Android device, or Chromebook if your projector is connected to a network that includes a wireless access point. Visit epson.com/iprojection (U.S.) or epson.ca/iprojection (Canada) for more information.</td>
</tr>
<tr>
<td>Easy Interactive Tools</td>
<td>Easy Interactive Tools Operation Guide</td>
<td>Lets you use your computer to interactively draw on projected images</td>
</tr>
<tr>
<td>—</td>
<td>Open Source Software License</td>
<td>You can download this document from the Epson web site. Go to epson.com/support (U.S.) or epson.ca/support (Canada) and select your projector. (Document available only in English.)</td>
</tr>
</tbody>
</table>

Parent topic: Introduction to Your Projector
Projector Part Locations

Check the projector part illustrations to learn about the parts on your projector.

- Projector Parts - Front/Side
- Projector Parts - Top/Side
- Projector Parts - Back Panel
- Projector Parts - Base
- Projector Parts - Control Panel
- Projector Parts - Remote Control
- Projector Parts - Interactive Pens and Pen Tray
- Projector Parts - Touch Unit

Parent topic: Introduction to Your Projector
Projector Parts - Front/Side

1. Remote control receiver
2. Status lights
3. Speaker
4. Exhaust vent
5. Cable cover screws
6. Cable cover
Parent topic: Projector Part Locations

Projector Parts - Top/Side

1 Air filter cover latch
2 Wireless LAN light
3 Obstacle sensors
4 Remote receiver
5 Projection window
6 Interactive pen receiver
7 Control panel
8 Security cable installation slot
9 Air filter cover
10 Focus lever
11 Air intake vent (air filter)

Parent topic: Projector Part Locations
Related references
Projector Light Status
Projector Parts - Back Panel

1 Monitor Out port
2 Video port
3 Audio port for use with the Video port
4 Audio Out port
5 Audio port for use with the Computer port
6 Mic port for use with a microphone
7 Power inlet
8 HDMI 1/MHL port
9 HDMI 2 port
10 HDMI 3 port
11 Network (LAN) port
12 USB-B port for computer connection
13 USB-A ports for USB memory device or document camera
14 Computer port
15 TCH port for the Touch Unit connection cable
16 SYNC In/Out ports
17 RS-232C port
18 Wireless LAN module port

Parent topic: Projector Part Locations
Related concepts
Projector Connections
Projector Parts - Base

1 Ceiling mount holes (4)
2 Rear foot holes (2)
3 Security cable attachment point
4 Wall mounting plate holes (4)
5 Illumination sensor
6 Front foot hole

Parent topic: Projector Part Locations
Projector Parts - Control Panel

1  **Source Search** button (searches for connected video sources)
2  **Enter** button (selects options)
3  Vertical keystone adjustment buttons (display the adjustment screen and adjust screen shape) and arrow buttons
4  **Esc** button (cancels/exits functions)
5  **W/T** (Wide/Tele) buttons (adjust projected image size) and arrow buttons
6  **Menu** button (accesses projector menu system)
7  **Home** button (accesses projector Home screen)
8  Power button

**Parent topic:** [Projector Part Locations](#)
Projector Parts - Remote Control
1. **Power button**
2. **Computer button**
3. **HDMI/Video button** (cycles through connected HDMI and video sources)
4. **Numeric buttons**
5. **Auto button** (automatically adjusts position, tracking, and sync settings)
6. **Aspect button** (selects the image aspect ratio)
7. **Num button** (when held down, switches numeric buttons to number function)
8. **Menu button** (accesses projector menu system)
9. **Arrow buttons** (move through on-screen options and control wireless mouse functions)
10. **Enter button** (selects options and controls wireless mouse functions)
11. **User button** (customizable for different functions)
12. **Page up/down buttons** (control presentation slides)
13. **E-Zoom +/− buttons** (zoom into and out of the image)
14. **A/V Mute button** (turns off picture and sound)
15. **Split button** (splits the screen between two image sources)
16. **Strap attachment point**
17. **Home button** (accesses projector Home screen)
18. **Freeze button** (stops video action)
19. **Volume up/down buttons** (adjust speaker volume)
20. **Pointer button** (activates on-screen pointer)
21. **Esc button** (cancels/exits functions and controls wireless mouse functions)
22. **Pen Mode button** (cycles between PC Interactive and PC Free Annotation modes)
23. **ID button** (selects a projector to use with the remote control)
24. **Color Mode button** (selects display modes)
25. **Link Menu button** (displays settings or performs functions for the device connected to the HDMI port)
26. **LAN button** (connects to a network source)
27. **USB button** (cycles between USB Display and USB-A ports)
28 Source Search button (searches for connected sources)
29 Remote control emitter

Parent topic: Projector Part Locations

Projector Parts - Interactive Pens and Pen Tray

1 Pen tip
2 Battery light
3 Function button
4 Attachment for optional strap or cord
5 Battery cover

1 Installation magnets
2 Mounting holes
3 Security lock hole

Parent topic: Projector Part Locations
Projector Parts - Touch Unit

Front (Cover On)

1 Dial cover
2 Touch unit (TCH) port
3 Security cable installation slot
4 Adjustment dials
5 Power light
6 Mounting holes

Front (Cover Off)
Rear

1. Laser diffusion ports
2. Installation magnets

Parent topic: Projector Part Locations
Setting Up the Projector

Follow the instructions in these sections to set up your projector for use.

Projector Placement
Removing and Attaching the Cable Cover
Projector Connections
Installing Batteries in the Remote Control
Installing Batteries in the Pens

Projector Placement

Your ultra-short throw projector is designed to be installed on a wall (with a wall mount) or vertically on a table (with a table mount) to create an interactive tabletop workspace.

You can also place the projector on a flat surface such as a desk or table to project in a portable setup.

Note: Finger touch is available only if the projector is installed on a wall (with a wall mount) or vertically on a table (with a table mount).

Keep these considerations in mind as you select a projector location:
• Follow the instructions in the *Installation Guide* to install the projector using the included mounting equipment.
• Leave plenty of space around and under the projector for ventilation, and do not place it on top of or next to anything that could block the vents.
• Position the projector within reach of a grounded electrical outlet or extension cord.
• If installing vertically on a table, the table projection mount (V12H516020) is required.
• If installing on a wall, the wall mount (V12H902020) is required.
• If the projector is not mounted, place it on a sturdy, level surface.
• For finger touch, make sure the projection surface is flat, smooth, and unwarped with no more than 0.2 inch (5 mm) of unevenness in any direction.

Projector Setup and Installation Options
Projection Distance

Parent topic: Setting Up the Projector
Projector Setup and Installation Options

You can set up or install your projector in the following ways:

Mounted on the wall or ceiling

Mounted vertically on a table to create an interactive workspace

Mounted on the wall or ceiling and projecting from behind a translucent screen (interactive features not supported)
Front projection from a table or portable cart (finger touch not supported)

Rear projection from a table or portable cart behind a translucent screen (interactive features not supported)

Wherever you set up the projector, make sure to position it squarely in front of the screen, not at an angle.

If you project from a table or portable cart, or from the rear, be sure to select the correct Projection option in the projector’s menu system.

**Note:** You cannot use the interactive pens or finger touch when projecting from behind a screen.

**Parent topic:** Projector Placement
Projection Distance

The distance at which you place the projector from the screen determines the approximate size of the image. The image size increases the farther the projector is from the screen, but can vary depending on the zoom factor, aspect ratio, and other settings.

Refer to the tables in the Installation Guide to determine approximately how far to place the projector from the screen based on the size of the projected image. (Conversion figures may have been rounded up or down.) You can also use the Projection Distance Calculator here (U.S.), here (Canada), or here (Caribbean).

Parent topic: Projector Placement

Removing and Attaching the Cable Cover

Before you can connect equipment to your projector, you need to remove the cable cover.
1. Use a screwdriver to remove both of the cable cover screws.
2. Slide off the cable cover.

To attach the cable cover, slide it into position and tighten the screws with a screwdriver.

Parent topic: Setting Up the Projector

Projector Connections

See these sections to connect the projector to a variety of projection sources.
Caution: If you will use the projector at altitudes above 4921 feet (1500 m), turn on **High Altitude Mode** to ensure the projector's internal temperature is regulated properly.

Connecting to Computer Sources
Connecting to Video Sources
Connecting External Output Devices
Connecting to External USB Devices
Connecting to a Document Camera
Connecting Multiple Projectors of the Same Model

Parent topic: Setting Up the Projector

Related references
Projector Setup Settings - Extended Menu
Additional Components

**Connecting to Computer Sources**

Follow the instructions in these sections to connect a computer to the projector.

Connecting to a Computer for USB Video and Audio
Connecting to a Computer for VGA Video and Audio
Connecting to a Computer for HDMI Video and Audio
Connecting to a Computer for Sound

Parent topic: Projector Connections

**Connecting to a Computer for USB Video and Audio**

If your computer meets the system requirements, you can send video and audio output to the projector through the computer's USB port (preferably USB 2.0). Connect the projector to your computer using a USB cable.

**Note:** A USB connection may cause a delay for content requiring high bandwidth, such as movies. An HDMI connection is recommended for projecting movies, video games, and other home entertainment content.

1. Turn on your computer.
2. Set the **USB Type B** setting in the Extended menu to one of the **USB Display** options.
3. Connect the cable to your projector's **USB-B** port.

4. Connect the other end to any available USB port on your computer.

5. To use USB Display, do one of the following:
   - **Windows 10/Windows 8.x**: Click **EPSON_PJ_UD** in the upper right-corner, then select **Run EMP_UDSE.exe** in the dialog box that appears to install the Epson USB Display software.
   - **Windows 7/Windows Vista**: Select **Run EMP_UDSE.exe** in the dialog box that appears to install the Epson USB Display software.
   - **Mac**: The USB Display setup folder appears on your screen. Select **USB Display Installer** and follow the on-screen instructions to install the Epson USB Display software.

   Follow any on-screen instructions. You need to install this software only the first time you connect the projector to the computer.

   The projector displays the image from your computer's desktop and outputs sound, if your presentation contains audio.

   **Parent topic**: Connecting to Computer Sources

   **Related references**
   - [Projector Setup Settings - Extended Menu](#)

**Connecting to a Computer for VGA Video and Audio**

You can connect the projector to your computer using a VGA computer cable.
Note: To connect a Mac that includes only a Mini DisplayPort, Thunderbolt port, or Mini-DVI port for video output, you need to obtain an adapter that allows you to connect to the projector's VGA video port. Contact Apple for compatible adapter options.

1. If necessary, disconnect your computer's monitor cable.
2. Connect the VGA computer cable to your computer's monitor port.
3. Connect the other end to a **Computer** port on the projector.

4. Tighten the screws on the VGA connector.

**Parent topic:** [Connecting to Computer Sources](#)

**Connecting to a Computer for HDMI Video and Audio**

If your computer has an HDMI port, you can connect it to the projector using an optional HDMI cable.

**Note:** To connect a Mac that includes only a Mini DisplayPort, Thunderbolt port, or Mini-DVI port for video output, you need to obtain an adapter that allows you to connect to the projector's **HDMI** port. Contact Apple for compatible adapter options. Older Mac computers (2009 and earlier) may not support audio through the **HDMI** port.

1. Connect the HDMI cable to your computer's HDMI output port.
2. Connect the other end to one of the projector's HDMI ports.

Note: The projector converts the digital audio signal sent from your computer into a mono analog signal for the internal speaker or a stereo analog signal if you are connecting to external speakers. (Make sure the HDMI audio playback device on your computer's audio settings is set to EPSON PJ.)

Note: If you have problems hearing audio through the HDMI connection, you can use one of the projector's audio ports instead to play sound. Connect one end of an optional 3.5 mm stereo mini-jack audio cable to one of the projector's audio ports and the other end to your computer's audio out port. Then select the audio port you connected to as the HDMI1 Audio Output, HDMI2 Audio Output or HDMI3 Audio Output setting in the Extended menu.

Parent topic: Connecting to Computer Sources

Connecting to a Computer for Sound

If your computer presentation includes sound and you did not connect it to the projector's USB-B or an HDMI port, you can still play sound through the projector's speaker system. Just connect an optional 3.5 mm stereo mini-jack audio cable as described here.

1. Connect the audio cable to your laptop's headphone or audio-out jack, or your desktop's speaker or audio-out port.
2. Connect the other end to the **Audio** port that corresponds to the **Computer** port you are using.

Parent topic: Connecting to Computer Sources

Connecting to Video Sources

Follow the instructions in these sections to connect video devices to the projector.

- Connecting to an HDMI Video Source
- Connecting to an MHL-Compatable Device
- Connecting to a Component Video Source
- Connecting to a Composite Video Source
- Connecting to a Video Source for Sound

Parent topic: Projector Connections

Connecting to an HDMI Video Source

If your video source has an HDMI port, you can connect it to the projector using an optional HDMI cable. The HDMI connection provides the best image quality.

1. Connect the HDMI cable to your video source’s HDMI output port.
2. Connect the other end to one of the projector's HDMI ports.

![Diagram showing HDMI connections](image)

**Note:** The projector converts the digital audio signal sent from your video source into a mono analog signal for the internal speaker or a stereo analog signal if you are connecting to external speakers.

**Note:** If you have problems hearing audio through the HDMI connection, you can use one of the projector's audio ports instead to play sound. Connect one end of an optional 3.5 mm stereo mini-jack audio cable to one of the projector's audio ports and the other end to your video source's audio out port. Then select the audio port you connected to as the **HDMI1 Audio Output**, **HDMI2 Audio Output** or **HDMI3 Audio Output** setting in the Extended menu.

**Parent topic:** Connecting to Video Sources

**Related references**

- [Projector Setup Settings - Extended Menu](#)

### Connecting to an MHL-Compatible Device

If you have an MHL-compatible smartphone or tablet, you can connect it to the projector using an HDMI cable with a device-compatible MHL adapter. If you have a device with a built-in MHL connector, plug it directly into the **HDMI 1/MHL** port.

**Note:** Some connected devices may not charge when using an MHL adapter.

1. Connect the MHL cable or adapter to your device’s Micro-USB port.
2. If you are using an MHL adapter, connect it to an MHL-compatible HDMI cable.
3. Connect the other end of the cable to the projector's HDMI 1/MHL port.

**Note:** The projector converts the digital audio signal sent from your video source into a mono analog signal for the internal speaker or a stereo analog signal if you are connecting to external speakers.

**Parent topic:** Connecting to Video Sources  
**Connecting to a Component Video Source**

If your video source has component video ports, you can connect it to the projector using an optional component-to-VGA video cable. Depending on your component ports, you may need to use an adapter cable along with a component video cable.

1. Connect the component connectors to your video source’s color-coded component video output ports, usually labeled Y, Pb, Pr or Y, Cb, Cr. If you are using an adapter, connect these connectors to your component video cable.
2. Connect the VGA connector to the **Computer** port on the projector.

3. Tighten the screws on the VGA connector.

If your image colors appear incorrect, you may need to change the **Input Signal** setting in the projector's Signal menu.

**Parent topic:** Connecting to Video Sources

**Related references**

Input Signal Settings - Signal Menu

**Connecting to a Composite Video Source**

If your video source has a composite video port, you can connect it to the projector using an optional RCA-style video or A/V cable.

1. Connect the cable with the yellow connector to your video source's yellow video output port.
2. Connect the other end to the projector's Video port.

![Diagram showing connection to Video port]

**Parent topic:** Connecting to Video Sources  

**Connecting to a Video Source for Sound**

You can play sound through the projector's speaker system if your video source has audio output ports. If you are projecting video using the **Video** or **Computer** port, connect the projector to the video source using an optional stereo mini-jack audio cable.

**Note:** If you connected your video source to the projector using an HDMI cable, the audio signal is transferred with the video signal; you do not need an additional cable for sound.

1. Connect the audio cable to your video source's audio-out ports.
2. Connect the other end of the cable to the projector's **Audio** port that corresponds to the port you are using for video.

Parent topic: Connecting to Video Sources

Connecting External Output Devices

See these sections to connect the projector to external output devices.

- Connecting to an External Computer Monitor
- Connecting to External Speakers
- Connecting a Microphone

Parent topic: Projector Connections

Connecting to an External Computer Monitor

If you connected a computer to the projector's **Computer** port, you can also connect an external monitor to the projector. This lets you see your presentation on the external monitor even when the projected image is not visible.

If you want to output images to an external monitor when the projector is turned off, you need to select **Always On** as the **A/V Output** setting in the projector's Extended menu.

**Note:** Monitors that use a refresh rate less than 60 Hz may not be able to display images correctly.

1. Make sure your computer is connected to the projector's **Computer** port.
2. Connect the external monitor's cable to your projector's **Monitor Out** port.

![Diagram showing the connection between the external monitor's cable and the projector's Monitor Out port.]

**Note:** Content you draw using the built-in interactive features is not displayed on an external monitor unless you draw it using Easy Interactive Tools software.

**Parent topic:** [Connecting External Output Devices](#)

**Connecting to External Speakers**

To enhance the sound from your presentation, you can connect the projector to external self-powered speakers. You can control the volume using the projector's remote control.

You can also connect the projector to an amplifier with speakers.

If you want to output audio from the external speakers when the projector is turned off, you need to select **Always On** as the A/V Output setting in the projector's Extended menu.

**Note:** The projector's built-in speaker system is disabled when you connect external speakers.

1. Make sure your computer or video source is connected to the projector with both audio and video cables as necessary.

2. Locate the appropriate cable to connect your external speakers, such as a stereo mini-jack-to-pin-jack cable, or another type of cable or adapter.

3. Connect one end of the cable to your external speakers as necessary.
4. Connect the stereo mini-jack end of the cable to your projector's *Audio Out* port.

**Parent topic:** Connecting External Output Devices

**Related references**

- Projector Setup Settings - Extended Menu

**Connecting a Microphone**

You can connect a microphone to the projector's *Mic* port to provide audio support during presentations.

**Note:** If you want to output audio from the microphone when the projector is off, select *Always On* as the *A/V Output* setting in the Extended menu.
1. Connect the microphone cable to the projector’s Mic port.

2. Turn on the microphone, if necessary.

3. If you hear a crackling noise or the volume is too high or low, adjust the Mic Input Level setting in the Settings menu.

Parent topic: Connecting External Output Devices

Connecting to External USB Devices

Follow the instructions in these sections to connect external USB devices to the projector.

USB Device Projection
Connecting a USB Device or Camera to the Projector
Selecting the Connected USB Source
Disconnecting a USB Device or Camera From the Projector

Parent topic: Projector Connections

Related tasks
Starting a PC Free Slide Show
USB Device Projection

You can project images and other content without using a computer or video device by connecting any of these devices to your projector:

- USB flash drive
- Digital camera or smartphone
- USB hard drive
- Multimedia storage viewer

**Note:** Digital cameras or smartphones must be USB-mounted devices, not TWAIN-compliant devices, and must be USB Mass Storage Class-compliant.

**Note:** USB hard drives must meet these requirements:

- USB Mass Storage Class-compliant (not all USB Mass Storage Class devices are supported)
- Formatted in FAT or FAT32
- Self-powered by their own AC power supplies (bus-powered hard drives are not recommended)
- Does not have multiple partitions

You can project slide shows from image files on a connected USB device.

**Parent topic:** Connecting to External USB Devices

**Related tasks**

- [Starting a PC Free Slide Show](#)

**Connecting a USB Device or Camera to the Projector**

You can connect your USB device or camera to the projector's **USB-A** port and use it to project images and other content.

1. If your USB device came with a power adapter, plug the device into an electrical outlet.
2. Connect the USB cable (or USB flash drive) to the projector’s **USB-A** port.

![USB connection diagram]

**Note:** Do not connect a USB hub or a USB cable longer than 10 feet (3 m), or the device may not operate correctly.

3. Connect the other end of the cable (if applicable) to your device.

**Parent topic:** Connecting to External USB Devices

**Related tasks**

- Starting a PC Free Slide Show

**Selecting the Connected USB Source**

You can switch the projector’s display to the source you connected to one of the **USB-A** ports. To display the connected USB device, select the **USB1** source.

**Note:** If you have connected a document camera, select the **USB2** source.

1. Make sure the connected USB source is turned on, if necessary.
2. Press the **Source Search** button on the remote control and select the **USB1** or **USB2** source.

**Parent topic:** Connecting to External USB Devices

**Related tasks**

- Starting a PC Free Slide Show
Disconnecting a USB Device or Camera From the Projector

When you finish presenting with a connected USB device or camera, you must prepare to disconnect the device from the projector.

1. If the device has a power button, turn off and unplug the device.
2. Disconnect the USB device or camera from the projector.

Parent topic: Connecting to External USB Devices

Related tasks
Starting a PC Free Slide Show

Connecting to a Document Camera

You can connect a document camera to your projector to project images viewed by the camera.

Note: If you connect a document camera to one of the USB-A ports on the projector, select the USB2 source to display the image. You cannot simultaneously connect two document cameras to the USB-A ports.

Depending on your Epson document camera model, do one of the following to connect the document camera to your projector:

- For the Epson DC-06 document camera, locate the USB cable that came with the camera and connect it to the projector’s USB-A port and to the document camera's USB Type B port.
- For the Epson DC-07 document camera, locate the USB cable that came with the camera and connect it to the projector’s USB-A port and to the document camera's USB Type B port.
- For the Epson DC-11 document camera, connect it to the projector’s Computer or Video port and to the corresponding port on the document camera. See the document camera manual for details.
- For the Epson DC-12 document camera, connect it to the projector’s HDMI, Computer, or Video port and to the corresponding port on the document camera. See the document camera manual for details.
- For the Epson DC-13 document camera, connect it to the projector’s HDMI, Computer, or Video port and to the corresponding port on the document camera. See the document camera manual for details.
- For the Epson DC-20 document camera, connect it to the projector’s HDMI, Computer, or Video port and to the corresponding port on the document camera. See the document camera manual for details.
- For the Epson DC-21 document camera, connect it to the projector’s HDMI, Computer, or Video port and to the corresponding port on the document camera. See the document camera manual for details.

![Diagram showing connections]

**Note:** For additional features supported by software, connect your document camera to your computer instead of the projector. See the document camera manual for details.

**Parent topic:** [Projector Connections](#)

### Connecting Multiple Projectors of the Same Model

If you use the interactive features of multiple projectors of the same model in the same room, you need to synchronize the projectors. To do this, connect the optional remote control cable set (V12H005C28) or a stereo mini cable to the **SYNC** port on each projector.

1. Connect one end of the cable to the **SYNC In** port on one projector, and connect the other end to the **SYNC Out** port on the other projector.
Note: If you are connecting three or more projectors, connect the projectors in a chain as shown.

2. In the Extended menu of each projector, set the **Sync of Projectors** setting to **Wired**.

   **Note:** If you are syncing multiple projectors with a combination of wired and infrared connections, set the **Wired Sync Mode** setting to **Mode 2** in each projector’s Extended menu. If you are syncing using an infrared connection and the projectors are more than 6.6 feet (2 m) apart, set the **Distance of Projectors** setting to **Mode 1** in each projector’s Extended menu.

**Parent topic:** Projector Connections

**Related concepts**

Using Multiple Projectors (DuoLink)

**Related references**

Projector Setup Settings - Extended Menu

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### Installing Batteries in the Remote Control

The remote control uses the two AA batteries that came with the projector.

**Caution:** Use only the type of batteries specified in this manual. Do not install batteries of different types, or mix new and old batteries.
1. Remove the battery cover.

2. Insert the batteries with the + and – ends facing as shown.
3. Replace the battery cover and press it down until it clicks into place.

![Battery cover illustration]

**Warning:** Dispose of used batteries according to local regulations. Do not expose batteries to heat or flame. Keep batteries out of the reach of children; they are choking hazards and are very dangerous if swallowed.

**Parent topic:** Setting Up the Projector

### Installing Batteries in the Pens

Each pen uses one AA battery.

1. Remove the battery cover as shown.

![Battery cover illustration]
2. Insert the battery with the + and – ends facing as shown.

3. Replace the battery cover and press it down until it clicks into place.

**Warning:** Dispose of used batteries according to local regulations. Do not expose batteries to heat or flame. Keep batteries out of the reach of children; they are choking hazards and are very dangerous if swallowed.

**Parent topic:** Setting Up the Projector
Using the Projector on a Network

Follow the instructions in these sections to set up your projector for use on a network.

**Note:** The interactive features may be slower over a network connection than over a USB connection.

- Wired Network Projection
- Wireless Network Projection
- Setting Up Projector Network E-Mail Alerts
- Setting Up Monitoring Using SNMP
- Controlling a Networked Projector Using a Web Browser
- Crestron RoomView Support
- Registering a Digital Certificate on the Projector

**Wired Network Projection**

You can project through a wired network. To do this, you connect the projector to your network with an Ethernet cable, and then set up your projector and computer for network projection.

After connecting and setting up the projector as described here, download and install the network software and manuals as necessary.

**Note:** If your projector is connected via a LAN (Ethernet) cable to a network that includes a wireless access point, you can connect to the projector wirelessly through the access point using the Epson network software.

- Connecting to a Wired Network
- Selecting Wired Network Settings

**Parent topic:** Using the Projector on a Network

**Related references**

- [Additional Projector Software and Manuals](#)

**Connecting to a Wired Network**

To connect the projector to a wired local area network (LAN), use a 100Base-TX or 10Base-T network cable. To ensure proper data transmission, use a Category 5 shielded cable or better.

1. Connect one end of the network cable to your network hub, switch, or router.
2. Connect the other end of the cable to the projector's **LAN** port.

Parent topic: Wired Network Projection

Selecting Wired Network Settings

Before you can project from computers on your network, you must select the network settings for the projector using its menu system.

**Note:** Make sure you already connected the projector to your wired network using the **LAN** port.

1. Turn on the projector.
2. Press the **Menu** button.
3. Select the **Network** menu and press **Enter**.

4. Select **Network Configuration** and press **Enter**.

5. Select the **Basic** menu and press **Enter**.

6. Select the following basic options as necessary:
   - **Projector Name** lets you enter a name up to 16 alphanumeric characters long to identify the projector over the network.
   - **PJLink Password** lets you enter a password up to 32 alphanumeric characters long for using the PJLink protocol for projector control.
• **Remote Password** lets you enter a password up to 8 alphanumeric characters long for accessing the Remote or Basic Control screen in Epson Web Control. (Default user name is **EPSONREMOTE**; default password is **guest**.)

• lets you enter a password up to 8 alphanumeric characters long for accessing the projector over the web. (Default user name is **EPSONWEB**; default password is **admin**.)

• **Moderator Password** lets you enter a password up to 4 numbers long for accessing the projector as a moderator with Epson iProjection (Windows/Mac) software or the Epson iProjection app. (No default password.)

• **Projector Keyword** lets you turn on a security password to prevent access to the projector by anyone not in the room with it. You must enter a displayed, randomized keyword from a computer using the Epson iProjection software to access the projector.

• **Display Keyword** lets you select whether or not to display a projector keyword on the projected image when using the Epson iProjection software to access the projector.

• **Display LAN Info** lets you select how the projector displays network information. You can select an option to display a QR code that lets you quickly connect your iOS or Android devices using the Epson iProjection app.

**Note:** Use the displayed keyboard to enter the name, passwords, and keyword. Press the arrow buttons on the remote control to highlight characters and press **Enter** to select them.

7. Select the **Wired LAN** menu and press **Enter**.
8. If necessary, select **IP Settings** and press **Enter**.
9. Select your IP Settings as necessary:
   - If your network assigns addresses automatically, turn on the **DHCP** setting.
   - If you must set addresses manually, turn off **DHCP** and enter the projector's **IP Address**, **Subnet Mask**, and **Gateway Address** as needed.

   **Note:** To highlight the numbers you want from the displayed keyboard, press the arrow buttons on the remote control. To select a highlighted number, press **Enter**.

10. To prevent display of the IP address on the standby screen, turn off **IP Address Display**.
11. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

**Parent topic:** [Wired Network Projection](#)

## Wireless Network Projection

You can project over a wireless network. To do this, you must set up your projector and computer for wireless projection.

**Note:** The Epson 802.11b/g/n wireless LAN module is not included with your projector and is optional.

To connect wirelessly to your projector, configure the connection using the projector's Network menus. After setting up the projector as described here, download the network software and manuals as necessary.

**Note:** If your projector is connected via a LAN cable to a network that includes a wireless access point, you can connect to the projector wirelessly through the access point using the Epson network software.

- [Installing the Wireless LAN Module](#)
- [Connecting Directly to a Smartphone or Tablet](#)
- [Using Quick Wireless Connection (Windows)](#)
- [Selecting Wireless Network Settings Manually](#)
- [Selecting Wireless Network Settings in Windows](#)
- [Selecting Wireless Network Settings on Mac](#)
- [Setting Up Wireless Network Security](#)
Installing the Wireless LAN Module

To use the projector over a wireless network, install the Epson 802.11b/g/n wireless module in the projector. Do not install any other type of wireless module.

**Caution:** Never remove the module while its indicator light is blue or flashing, or while you are projecting wirelessly. You may damage the module or lose data.

**Note:** The wireless LAN module is not included with your projector.

1. Turn off the projector and unplug the power cord.
2. Unscrew and remove the cable cover if it is attached (screwdriver not included).
3. Insert the wireless LAN module into the port shown here.

4. Replace the cable cover and tighten the screws.
5. Plug in and turn on the projector.

**Parent topic:** Wireless Network Projection

### Connecting Directly to a Smartphone or Tablet

You can display a QR code on the screen and use it to connect a single smartphone or tablet to your projector with the Epson iProjection app.

1. Download the latest version of Epson iProjection from the App Store or Google Play and install it on your smartphone or tablet.
2. Press the **Menu** button on the projector or the remote control.
3. Select the **Network** menu and press Enter.

4. Select **On** as the **Wireless LAN Power** setting, if necessary.

5. Select **Network Configuration** and press Enter.

6. Select the **Wireless LAN** menu and press Enter.

7. Select **Connection Mode** and press Enter.

8. Select **Quick** and press Enter, then press Enter again.

9. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.
10. Press the **Home** button on the projector or the remote control.

![Projector Settings Menu]

11. Select the QR code icon [QR Code Icon] and press **Enter**.

Your projector displays a QR code on the projection surface.

12. Open the Epson iProjection app on your smartphone or tablet.

13. Use the QR code reader feature to read the QR code and connect your device to the projector.

**Note:** The projector and the smartphone must be on the same wireless network in order to establish a connection.

Your smartphone or tablet is now connected to your projector. Visit [epson.com/iprojection](http://epson.com/iprojection) (U.S.) or [epson.ca/iprojection](http://epson.ca/iprojection) (Canada) for information on controlling your projector with the Epson iProjection app.

**Parent topic:** Wireless Network Projection

**Using Quick Wireless Connection (Windows)**

You can create a Quick Wireless Connection USB Key to quickly connect the projector to a Windows computer wirelessly. Then you can project your presentation and remove the key when you are done.
Note: A USB flash drive is not included with your projector.

1. Create a Quick Wireless Connection USB Key with a USB flash drive and the Epson iProjection (Windows/Mac) software.

   Note: See the online Epson iProjection Operation Guide for instructions.

2. Make sure the wireless LAN module is installed in your projector.
3. Turn on the projector.
4. Press the LAN button on the remote control.
   The LAN standby screen is displayed.
5. Verify the SSID and IP address.
6. Insert the USB key into the projector's USB-A port.

   ![Image of USB-A port]

   You see a projected message that the network information update is complete.

7. Remove the USB key.
8. Insert the USB key into a USB port on your computer.

   Note: In Windows Vista, if you see the AutoPlay window, select Run MPPLaunch.exe, then select Allow on the next screen.
9. Follow the on-screen instructions to install the Epson iProjection (Windows/Mac) software.

   **Note:** If you see a Windows Firewall message, click Yes to disable the firewall. You need administrator authority to install the software. If it is not installed automatically, double-click `MPPLaunch.exe` in the USB key.

   After a few minutes, your computer image is displayed by the projector. If it does not appear, press the LAN or Source Search button on your remote control or restart your computer.

10. Run your presentation as necessary.

11. When you finish projecting wirelessly, select the Safely Remove Hardware option in the Windows taskbar, then remove the USB key from your computer.

   **Note:** You can share the USB key with other computers without disconnecting your computer. You may need to restart your computer to reactivate your wireless LAN connection.

**Parent topic:** Wireless Network Projection

**Related references**

Additional Projector Software and Manuals

**Selecting Wireless Network Settings Manually**

Before you can project from your wireless network, you must select the network settings for the projector using its menu system.

1. Turn on the projector.
2. Press the Menu button.
3. Select the **Network** menu and press **Enter**.

4. Make sure the **Wireless LAN Power** setting is set to **On**.

5. Select **Network Configuration** and press **Enter**.

6. Select the **Basic** menu and press **Enter**.

7. Select the following basic options as necessary:
   - **Projector Name** lets you enter a name up to 16 alphanumeric characters long to identify the projector over the network.
• **PJLink Password** lets you enter a password up to 32 alphanumeric characters long for using the PJLink protocol for projector control.

• **Remote Password** lets you enter a password up to 8 alphanumeric characters long for accessing the Remote or Basic Control screen in the Epson Web Control. (Default user name is EPSONREMOTE; default password is guest.)

• **Web Control Password** lets you enter a password up to 8 alphanumeric characters long for accessing the projector over the web. (Default user name is EPSONWEB; default password is admin.)

• **Moderator Password** lets you enter a password up to 4 numbers long for accessing the projector as a moderator with Epson iProjection software or the Epson iProjection app.

• **Projector Keyword** lets you turn on a security password to prevent access to the projector by anyone not in the room with it. The projector displays a random keyword that you must enter from a computer using the Epson iProjection software or an iOS or Android device using the Epson iProjection app.

• **Display Keyword** lets you display a keyword on the projected image when accessing the projector from a computer using the Epson iProjection software or an iOS or Android device using the Epson iProjection app.

• **Display LAN Info** lets you select how the projector displays network information. You can select an option to display a QR code that lets you quickly connect your iOS or Android devices with Epson iProjection (Windows/Mac) software or the Epson iProjection app.

**Note:** Use the displayed keyboard to enter the name, passwords and keyword. Press the arrow buttons on the remote control to highlight characters and press **Enter** to select them.
8. Select the **Wireless LAN** menu and press **Enter**.

9. Select the settings on the **Wireless LAN** menu as necessary for your network.

10. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

   **Note**: Check your network security settings after completing the wireless settings.

After you complete the wireless settings for your projector, you need to select the wireless network on your computer, or iOS or Android device.

**Wireless LAN Menu Settings**

**Parent topic**: **Wireless Network Projection**
Wireless LAN Menu Settings

<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection Mode</td>
<td>Quick, Advanced</td>
<td>Selects the type of wireless connection:</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Quick</strong>: lets you directly connect to multiple devices and computers using the projector's wireless network (requires the optional wireless LAN module).</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Advanced</strong>: lets you connect to multiple devices and computers via a wireless network access point</td>
</tr>
<tr>
<td>Search Access Point</td>
<td>To Search View</td>
<td>Search for available wireless network access points in <strong>Advanced</strong> connection mode</td>
</tr>
<tr>
<td>SSID</td>
<td>Up 32 alphanumeric characters</td>
<td>Sets the SSID (network name) of the wireless LAN system the projector is connecting to</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Security</td>
<td>Open</td>
<td>Selects the type of security used on the wireless network</td>
</tr>
<tr>
<td></td>
<td>WPA2-PSK</td>
<td><strong>WPA2-PSK</strong>: uses WPA2 security with AES for encryption. Use the Passphrase value to establish a connection from a computer</td>
</tr>
<tr>
<td></td>
<td>WPA/WPA2-PSK</td>
<td><strong>WPA/WPA2-PSK</strong>: uses WPA personal mode; encryption is dependent on the access point settings; Passphrase must be the same as the access point</td>
</tr>
<tr>
<td></td>
<td>WPA2-EAP</td>
<td><strong>WPA2-EAP</strong>: uses WPA2 security with AES for encryption</td>
</tr>
<tr>
<td></td>
<td>WPA/WPA2-EAP</td>
<td><strong>WPA/WPA2-EAP</strong>: uses WPA enterprise mode; encryption is dependent on the access point settings</td>
</tr>
<tr>
<td>Passphrase</td>
<td>Various passphrases from 8 to 32 characters (from a web browser, the maximum is 63 characters)</td>
<td>Selects the pre-shared key used on the network; passphrases are case-sensitive. If the network settings are reset after the passphrase has been changed more than once, the first passphrase is restored.</td>
</tr>
<tr>
<td>EAP Method</td>
<td>EAP Type</td>
<td>Sets the EAP settings for WPA2-EAP and WPA/WPA2-EAP security</td>
</tr>
<tr>
<td></td>
<td>User name</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Password</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Client Certificate</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Verify Server Cert.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CA Certificate</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RADIUS Server Name</td>
<td></td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>------------------</td>
<td>---------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Channel</td>
<td>1ch</td>
<td>In <strong>Quick</strong> connection mode, selects the frequency band (channel) used by the wireless LAN</td>
</tr>
<tr>
<td></td>
<td>6ch</td>
<td></td>
</tr>
<tr>
<td></td>
<td>11ch</td>
<td></td>
</tr>
<tr>
<td>IP Settings</td>
<td>DHCP (On or Off)</td>
<td>Selects DHCP if your network assigns IP addresses automatically, or turns off DHCP so you can enter the network’s IP address, subnet mask, and gateway address as needed</td>
</tr>
<tr>
<td></td>
<td>IP Address</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Subnet Mask</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gateway Address</td>
<td></td>
</tr>
<tr>
<td>SSID Display</td>
<td>On</td>
<td>Selects whether to display the SSID on the network standby screen and Home screen</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td></td>
</tr>
<tr>
<td>IP Address Display</td>
<td>On</td>
<td>Selects whether to display the IP address on the network standby screen and Home screen</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td></td>
</tr>
</tbody>
</table>

Parent topic: Selecting Wireless Network Settings Manually

Selecting Wireless Network Settings in Windows

Before connecting to the projector, select the correct wireless network on your computer.

1. To access your wireless utility software, access the Desktop and double-click the network icon on the Windows taskbar.
2. Do one of the following:
   - If your projector is set up on an existing network (Advanced mode), select the network name (SSID).
   - If your projector is configured for Quick mode, select the projector’s SSID.
3. Click **Connect**.

Parent topic: Wireless Network Projection

Selecting Wireless Network Settings on Mac

Before connecting to the projector, select the correct wireless network on your Mac.

1. Click the AirPort icon on the menu bar at the top of the screen.
2. Make sure AirPort is turned on, then do one of the following:
   • If your projector is set up on an existing network (Advanced mode), select the network name (SSID).
   • If your projector is configured for Quick mode, select the projector’s SSID.

Parent topic: Wireless Network Projection

Setting Up Wireless Network Security

You can set up security for your projector to use on a wireless network. Set up one of the following security options to match the settings used on your network:

• WPA2-PSK
• WPA2-EAP*
• WPA/WPA2-PSK*
• WPA/WPA2-EAP*

* Only available for Advanced connection mode.

Note: Contact your network administrator for guidance on entering the correct information.

1. If you want to set up WPA2-EAP or WAP/WAP2-EAP security, make sure your digital certificate file is compatible with projector registration and placed directly on the USB storage device.
2. Press the Menu button.
3. Select the Network menu and press Enter.

![Menu options]

Image
Signal
Settings
Extended
Network
ECO
Info
Reset
4. Select **Network Configuration** and press **Enter**.
5. Select the **Wireless LAN** menu and press **Enter**.
6. Select the **Security** setting and press **Enter**.
7. Select the security settings for your network.
8. When you finished, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

**Parent topic:** Wireless Network Projection

### Setting Up Projector Network E-Mail Alerts

You can set up the projector to send you an e-mail alert over the network if there is a problem with the projector.

1. Press the **Menu** button.
2. Select the **Network** menu and press **Enter**.
3. Select **Network Configuration** and press **Enter**.
4. Select the **Notifications** menu and press **Enter**.

5. Turn on **Mail Notification**.
6. Enter the IP address for the SMTP Server setting.

   **Note:** To enter the IP address using the numeric keys on the remote control, press and hold the Num button. Do not use these addresses: 127.x.x.x or 224.0.0.0 through 255.255.255.255 (where x is a number from 0 to 255).

7. Select a number for the SMTP server Port Number setting, from 1 to 65535 (default is 25).

8. Enter the sender’s email address as the From setting.

9. Choose an Address field, enter the e-mail address, and select the alerts you want to receive there. Repeat for up to three addresses. Your e-mail address can be up to 32 alphanumeric characters long.

10. If you are using the PJLink protocol for projector control, turn on the PJLink Notification setting and enter the IP address where you want to receive PJLink notifications as the Notified IP Address setting.

11. When you finish selecting settings, select Complete and follow the on-screen instructions to save your settings and exit the menus.

   **Note:** If a critical problem causes a projector to shut down, you may not receive an e-mail alert.

**Network Projector E-mail Alert Messages**

**Parent topic:** Using the Projector on a Network

**Network Projector E-mail Alert Messages**

When a problem occurs with a networked projector, and you selected to receive e-mail alerts, you receive an e-mail containing the following information:

- The email address entered as the From setting
- Epson Projector on the subject line
- The name of the projector experiencing a problem
- The IP address of the affected projector
- Detailed information about the problem

   **Note:** If a critical problem causes a projector to shut down, you may not receive an e-mail alert.

**Parent topic:** Setting Up Projector Network E-Mail Alerts
Setting Up Monitoring Using SNMP

Network administrators can install SNMP (Simple Network Management Protocol) software on network computers so they can monitor projectors. If your network uses this software, you can set up the projector for SNMP monitoring.

1. Press the **Menu** button.
2. Select the **Network** menu and press **Enter**.
3. Select **Network Configuration** and press **Enter**.
4. Select the **Notifications** menu and press **Enter**.

5. Turn on the **SNMP** setting.
6. Enter up to two IP addresses to receive SNMP notifications as the **Trap IP Address** setting, using 0 to 255 for each address field.

**Note:** To enter the IP address using the numeric keys on the remote control, press and hold the **Num** button. Do not use these addresses: 127.x.x.x or 224.0.0.0 through 255.255.255.255 (where x is a number from 0 to 255).
7. Select the **Others** menu and press **Enter**.

8. If you want to use the Secure HTTP protocol to encrypt communication when using Web Control, turn on the **Secure HTTP** setting and import the web server certificate using the **Web Server Cert.** setting.

9. If available, select the **Priority Gateway** setting for your network.

10. If your network environment uses an AMX controller, turn on the **AMX Device Discovery** setting to allow the projector to be detected.

11. If your network environment uses a Crestron RoomView controller, turn on the **Crestron RoomView** setting to allow the projector to be detected.

12. If you are using the projector with a Control 4 Simple Device Discovery Protocol (SDDP) automation system, turn on the **Control4 SDDP** setting.

13. If you want this projector to receive broadcast messages over the network, turn on the **Message Broadcasting** setting. Administrators can broadcast messages over the network using the Epson Projector Management software.

14. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

**Parent topic:** Using the Projector on a Network
Controlling a Networked Projector Using a Web Browser

Once you have connected your projector to your network, you can select projector settings and control projection using a compatible web browser. This lets you access the projector remotely.

Note: The web setup and control features support Microsoft Internet Explorer 11.0 or later, Microsoft Edge, Google Chrome, and Safari on networks that do not use a proxy server for connection. You cannot select all of the projector menu settings or control all projector functions using a web browser.

Note: If you set Standby Mode to Communication On in the ECO menu, you can use a web browser to select settings and control projection even if the projector is in standby mode.

1. Make sure the projector is turned on.
2. Start your web browser on a computer or device connected to the network.
3. Type the projector’s IP address into the browser’s address box and press the computer’s Enter key.

Note: If you attempt to connect to the Web Control screen via a proxy server, the screen will not be displayed. Make a direct connection to the Web Control screen.
You see the Web Control screen.

4. To control projection remotely, select the Basic Control option from the Web Control screen.

   **Note:** If you see a log in window, enter your user name and password. (The default user name is EPSONREMOTE and the default password is guest.)
You see a screen like this:

1. Power button control
2. Selects an **HDMI** port source
3. Selects a **Video** port source
4. Selects the USB Display source
5. Selects the network source
6. **A/V Mute** button control
7. **Freeze** button control
8. **Page Up** and **Page Down** button controls
9. Displays a QR code for connecting with iOS or Android devices using the Epson iProjection app
10. Displays closed captions
11. **Volume** button controls
12. Selects the USB device source
Selects the **Computer** port source

14 Searches for connected sources

5. Select the icon corresponding to the projector function you want to control.

6. To select projector menu settings, select **Advanced** on the Web Control screen.

   **Note:** If you see a log in window, enter your user name and password. (The default user name is **EPSONWEB** and the default password is **admin**.)

7. Select the name of the menu and follow the on-screen instructions.

**Parent topic:** Using the Projector on a Network

---

**Crestron RoomView Support**

If you are using the Crestron RoomView network monitoring and control system, you can set up your projector for use on the system. Crestron RoomView lets you control and monitor your projector using a web browser.

**Note:** You cannot use the Epson Web Control feature or the Message Broadcasting tool for Epson Projector Management when you use Crestron RoomView.

For additional information on Crestron RoomView, contact Crestron.

**Setting Up Crestron RoomView Support**

To set up your projector for monitoring and control using a Crestron RoomView system, make sure your computer and projector are connected to the network. If you are connecting wirelessly, set up the projector using the Advanced network connection mode.

**Note:** If you want to use the Crestron RoomView system when the projector is turned off, you need to adjust the **Standby Mode** setting in the ECO menu.

1. Press the **Menu** button.

2. Select the **Network** menu and press **Enter**.
3. Select **Network Configuration** and press **Enter**.
4. Select the **Others** menu and press **Enter**.

5. Set the **Crestron RoomView** setting to **On** to allow the projector to be detected.

   **Note:** Enabling Crestron RoomView disables the Epson Message Broadcasting feature in the Epson Projector Management software.

6. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.
7. Turn off the projector, then turn it on again to enable the setting.

**Parent topic:** Crestron RoomView Support

**Related references**

- Projector Setup Settings - ECO Menu
- Controlling a Networked Projector Using Crestron RoomView

**Controlling a Networked Projector Using Crestron RoomView**

Once you have set up your projector to use Crestron RoomView, you can control and monitor projection using a compatible web browser.

1. Start your web browser on a computer connected to the network.
2. Type the projector's IP address into the browser's address box and press the computer's **Enter** key.
You see this screen:

3. Select the input source that you want to control in the Sources List box. You can scroll through available sources using the up and down arrows in the box.

4. To control projection remotely, click the on-screen buttons that correspond to the projector’s remote control buttons. You can scroll through button options at the bottom of the screen.

   **Note:** These on-screen buttons do not directly correspond to the projector’s remote control buttons:
   • **OK** acts as the **Enter** button
   • **Menu** displays the projector's menu

5. To view information about the projector, click the **Info** tab.
6. To change projector, Crestron, and password settings, click the **Tools** tab, select settings on the displayed screen, and click **Send**.
7. When you finish selecting settings, click **Exit** to exit the program.

**Parent topic:** Crestron RoomView Support

### Registering a Digital Certificate on the Projector

Follow the instructions here if you need to install a digital certificate on the projector to provide security for your presentation files.
**Note:** You can register a digital certificate over a network. However, be sure to register just once or the certificate may not install correctly.

**Importing a Web Server Certificate Using the Projector Menus**

**Registering Digital Certificates from a Web Browser**

**Digital Certificate Types**

**Parent topic:** Using the Projector on a Network

**Importing a Web Server Certificate Using the Projector Menus**

You can create your web server certificate and import it using the projector menus and a USB flash drive.

**Note:** You can also register digital certificates from your web browser. Make sure to only register once, or the certificate may not install correctly.

1. Make sure your digital certificate file is compatible with projector registration and saved in the root directory of the USB flash drive.
2. Press the Menu button on the projector or remote control.
3. Select the Network menu and press Enter.
4. Select the Network Configuration setting and press Enter.
5. Select the **Others** menu and press **Enter**.

![Menu Options]

6. Select **On** as the **Secure HTTP** setting.
7. Select the **Web Server Cert.** setting and press **Enter**.
8. Select **Register** and press **Enter**.
9. Follow the on-screen instructions to connect a USB flash drive to the projector's **USB-A** port.
10. Press **Enter** to display the certificate list.
11. Select the certificate you want to import from the displayed list.
    A message is displayed prompting you to enter the password for the certificate.
12. Enter the password and press **Enter**.
    The certificate is imported and a completion message appears.

**Parent topic:** Registering a Digital Certificate on the Projector

### Registering Digital Certificates from a Web Browser

You can register the digital certificates on the projector for wireless LAN authentication.

1. Make sure your digital certificate file is compatible with projector registration.
2. Make sure the projector is turned on.
3. Start your web browser on a computer connected to the network.
4. Type the projector’s IP address into the browser’s address box and press the computer’s **Enter** key. You see the Web Control screen.

5. Select **Advanced**.

6. Enter the following information in uppercase or lowercase letters, exactly as shown:
   - For the user ID, enter **EPSONWEB**. (You cannot change the user ID.)
   - For the password, enter the default password **admin**. (You can change the Web Control password using the projector’s Network menu.)

7. Under **Network**, select the **Certificate** option.
   You see a screen like this:

8. Select the certificate file you want to register.

9. Enter a password in the **Password** box, then click **Send**.

10. When you finish registering the certificate, click **Apply** to finalize your changes and complete the registration.

**Parent topic:** Registering a Digital Certificate on the Projector
**Digital Certificate Types**

You can register these types of digital certificates.

**Client Certificate (PEAP-TLS/EAP-TLS)**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>PKCS#12</td>
</tr>
<tr>
<td>Extension</td>
<td>PFX/P12</td>
</tr>
<tr>
<td>Encryption</td>
<td>RSA</td>
</tr>
<tr>
<td>Hashes</td>
<td>MD5/SHA-1/SHA-256/SHA-384/SHA-512</td>
</tr>
<tr>
<td>Key length</td>
<td>512/1024/2048/4096 bit</td>
</tr>
<tr>
<td>Password</td>
<td>Up to 32 alphanumeric characters; required</td>
</tr>
</tbody>
</table>

**CA Certificate (PEAP/PEAP-TLS/EAP-TLS/EAP-Fast)**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>X509v3</td>
</tr>
<tr>
<td>Extension</td>
<td>DER/CER/PEM</td>
</tr>
<tr>
<td>Encryption</td>
<td>RSA</td>
</tr>
<tr>
<td>Hashes</td>
<td>MD5/SHA-1/SHA-256/SHA-384/SHA-512</td>
</tr>
<tr>
<td>Key length</td>
<td>512/1024/2048/4096 bit</td>
</tr>
<tr>
<td>Encoding</td>
<td>BASE64/Binary</td>
</tr>
</tbody>
</table>

**Web Server Certificate (Secure HTTP)**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>PKCS#12</td>
</tr>
<tr>
<td>Extension</td>
<td>PFX/P12</td>
</tr>
<tr>
<td>Encryption</td>
<td>RSA</td>
</tr>
<tr>
<td>Hashes</td>
<td>MD5/SHA-1/SHA-256/SHA-384/SHA-512</td>
</tr>
<tr>
<td>Key length</td>
<td>512/1024/2048/4096 bit</td>
</tr>
<tr>
<td>Specification</td>
<td>Description</td>
</tr>
<tr>
<td>---------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>Common name</td>
<td>Network host name</td>
</tr>
<tr>
<td>Organization</td>
<td>Optional</td>
</tr>
<tr>
<td>Password</td>
<td>Up to 32 alphanumeric characters; required</td>
</tr>
</tbody>
</table>

**Parent topic:** Registering a Digital Certificate on the Projector
Using Basic Projector Features

Follow the instructions in these sections to use your projector's basic features.

Turning On the Projector
Turning Off the Projector
Selecting the Language for the Projector Menus
Setting the Date and Time
Image Shape
Resizing the Image with the Wide and Tele Buttons
Adjusting the Image Position
Focusing the Image
Remote Control Operation
Selecting an Image Source
Projection Modes
Image Aspect Ratio
Color Mode
Controlling the Volume with the Volume Buttons
Projecting a PC Free Presentation

Turning On the Projector

Turn on the computer or video equipment you want to use before you turn on the projector so it can display the image source.
1. Connect the power cord to the projector's power inlet.

2. Plug the power cord into an electrical outlet.
   The projector's On/Standby light turns blue. This indicates that the projector is receiving power.

   **Note:** With **Direct Power On** turned on, the projector turns on as soon as you plug it in.

3. Press the power button on the projector, or remote control to turn on the projector.
   The projector beeps and the Status light flashes blue as the projector warms up. After about 30 seconds, the Status light stops flashing and turns blue.

   **Warning:** Never look into the projector lens when the laser is on. This can damage your eyes and is especially dangerous for children and pets.
Caution: Make sure no objects are blocking the light from the projector lens. Objects blocking the lens for an extended time can melt and light that is reflected back into the lens can cause the projector to malfunction.

Note: If the Auto Source Search setting in the Extended menu is enabled, the projector automatically detects the input signal when you turn it on.

If you do not see a projected image right away, try the following:
- Turn on the connected computer or video device.
- Insert a DVD or other video media and press the play button, if necessary.
- Press the Source Search button on the projector, or remote control to detect the video source.
- Change the screen output from the computer when using a laptop.
- Press the button for the video source on the remote control.
- If the Home screen is displayed, select the source you want to project.

Using the Home Screen

Parent topic: Using Basic Projector Features

Related references
Projector Setup Settings - Extended Menu

Using the Home Screen

You can select input sources and other frequently used options from the Home screen.

1. To display the Home screen, do one of the following:
   - Press the Home button on the control panel or remote control.
   - Turn on the projector with the Home Screen Auto Disp setting enabled.
   - Turn on the projector when no signal is received from the selected input source.
2. Press the arrow buttons on the remote control or control panel to navigate the screen, and press **Enter** to select an option.

1. Selects the source you want to project
2. Displays a QR code for device connection
3. Displays the on-screen help
4. Hides the Home screen
5. Displays the interactive settings
6. Displays the current projector status when you change a Home screen using the interactive pen or your finger
7. Displays the settings assigned to Home screen in the projector's Extended menu
8. Projects two images from different image sources simultaneously by splitting the projected screen
9. Displays the brightness for the light source
Note: You can modify the customizable menu options using the Custom Setting L1 through Custom Setting R3 settings in the Extended menu.

3. Press the Home button or press the icon to hide the Home screen.

Parent topic: Turning On the Projector

Turning Off the Projector

Before turning off the projector, shut down any computer connected to it so you can see the computer display during shutdown.

Note: Turn off this product when not in use to prolong the life of the projector. Laser life will vary depending upon mode selected, environmental conditions, and usage. Brightness decreases over time.

1. Press the power button on the projector or remote control.
   The projector displays a shutdown confirmation screen.

   ![Power Off? screen]

   Power Off?

   Yes: Press button
   No: Press any other button

2. Press the power button again. (To leave it on, press any other button.)
   The projector beeps twice, the laser turns off, and the Status light turns off.

   Note: With Epson’s Instant Off technology, there is no cool-down period so you can pack up the projector for transport right away (if necessary).

   Caution: Do not turn the projector on immediately after turning it off. Turning the projector on and off frequently may shorten the life of the laser.
3. To transport or store the projector, make sure the Status light is off, then unplug the power cord.

Caution: To avoid damaging the projector or laser, never unplug the power cord when the Status light is on or flashing.

Parent topic: Using Basic Projector Features
Related references
Projector Setup Settings - Extended Menu

Selecting the Language for the Projector Menus

If you want to view the projector's menus and messages in another language, you can change the Language setting.

1. Turn on the projector.
2. Press the Menu button.
3. Select the **Extended** menu and press **Enter**.

4. Select the **Language** setting and press **Enter**.

5. Select the language you want to use and press **Enter**.

6. Press **Menu** or **Esc** to exit the menus.

**Parent topic:** Using Basic Projector Features

### Setting the Date and Time

You can set the date and time for the projector.

1. Press the **Menu** button.

2. Select the **Extended** menu and press **Enter**.

3. Select the **Operation** setting and press **Enter**.

4. Select the **Date & Time** setting and press **Enter**.
You see a screen like this:

5. Select the **Date & Time** setting and press **Enter**.
6. Select your date and time settings. Then select **Set** and press **Enter** to confirm your changes.
7. When you are finished, press the **Menu** button to exit.

**Parent topic:** Using Basic Projector Features

### Image Shape

You can project an evenly rectangular image by placing the projector directly in front of the center of the screen and keeping it level. If you place the projector at an angle to the screen, or tilted up or down, or off to the side, you may need to correct the image shape for the best display quality.

**Note:** For interactive use, the image must be evenly rectangular, without distortion. Refer to the *Installation Guide* for instructions on positioning the projector to achieve an evenly rectangular image.

**Correcting Image Shape with the Keystone Buttons**

**Correcting Image Shape with Quick Corner**

**Correcting Image Shape with Arc Correction**

**Parent topic:** Using Basic Projector Features

### Correcting Image Shape with the Keystone Buttons

You can use the projector's keystone correction buttons to correct the shape of an image that is unevenly rectangular on the sides.
**Note:** You can use the keystone buttons to correct the image up to ± 3° horizontally or vertically. Use the adjustment dials on the wall mount to correct the screen image before using any other digital correction methods.

**Note:** Using the keystone correction buttons may affect interactive pen and finger touch calibration.

1. Turn on the projector and display an image.

   **Note:** You can display a pattern to aid in adjusting the projected image using the Settings menu.

2. Press one of these keystone buttons on the control panel to display the Keystone adjustment screen.
3. Press a keystone button on the projector's control panel to adjust the image shape.

**Note:** The horizontal keystone adjustment buttons are labeled **W** and **T**.

**Note:** The horizontal keystone adjustment buttons are labeled **W** and **T** on the .

After correction, your image is slightly smaller.

**Note:** If the projector is installed out of reach, you can also correct the image shape with the remote control using the **H/V-Keystone** settings in the projector menus.
Correcting Image Shape with Quick Corner

You can use the projector's Quick Corner setting to correct the shape and size of an image that is unevenly rectangular on all sides.

Note: Use the adjustment dials on the wall mount to correct the screen image before using any other digital correction methods.

Note: Adjusting the Quick Corner setting may affect interactive pen and finger touch calibration.

1. Turn on the projector and display an image.
   
   Note: You can display a pattern to aid in adjusting the projected image using the Settings menu.

2. Press the Menu button.
3. Select the **Settings** menu and press **Enter**.

4. Select the **Geometry Correction** setting and press **Enter**.

5. Select the **Quick Corner** setting and press **Enter**. Then press **Enter** again.

   You see the Quick Corner adjustment screen:

   ![Quick Corner Adjustment Screen]

   **Note:** To reset your adjustments, press and hold the **Esc** button for at least 2 seconds to display a reset screen. Then select **Yes**.
6. Use the arrow buttons on the projector or the remote control to select the corner of the image you want to adjust. Then press Enter.

7. Press the arrow buttons to adjust the image shape as necessary. Press Enter to return to the area selection screen.

8. When you are finished, press Esc.

**Parent topic:** Image Shape

**Related references**

- Projector Feature Settings - Settings Menu

### Correcting Image Shape with Arc Correction

You can use the projector’s Arc Correction setting to adjust the curve or arc of the sides of your image.

**Note:** Use the adjustment dials on the wall mount to correct the screen image before using any other digital correction methods.

**Note:** Adjusting the Arc Correction setting may affect interactive pen and finger touch calibration.

1. Turn on the projector and display an image.

   **Note:** You can display a pattern to aid in adjusting the projected image using the Settings menu.

2. Press the Menu button.

3. Select the Settings menu and press Enter.
4. Select the **Geometry Correction** setting and press **Enter**.

5. Select the **Arc Correction** setting and press **Enter**. Then select the **Arc Correction** setting and press **Enter** again.

   You see the Arc Correction adjustment screen:

   ![Arc Correction](image)

   Select the area.

   **Note:** To reset your adjustments, press the **Esc** button for at least 2 seconds to display a reset screen, and select **Yes**.

6. Use the arrow buttons on the projector or the remote control to select the corner or side of the image you want to adjust. Then press **Enter**.

7. Press the arrow buttons to adjust the image shape as necessary.

8. When you are finished, press **Esc**.

9. To save your adjusted image position, select **Save Memory** and select an entry. You can save up to three image positions.

**Parent topic:** Image Shape

**Related references**

- Projector Feature Settings - Settings Menu

---

**Resizing the Image with the Wide and Tele Buttons**

You can resize the image using the Wide and Tele buttons.
1. Turn on the projector and display an image.
2. To enlarge the image size, press the W (Wide) button on the projector’s control panel.
3. To reduce the image size, press the T (Tele) button.

After you adjust the image size, the Image Shift screen is displayed automatically for adjusting the image position.

**Note:** If the projector is installed out of reach, you can also adjust the image size with the remote control using the **Zoom** setting in the projector menus.

**Parent topic:** Using Basic Projector Features

**Related references**

- Projector Feature Settings - Settings Menu

---

**Adjusting the Image Position**

You can use the Image Shift feature to adjust the image position without moving the projector.
**Note:** This feature is not available if the **Zoom** option is set to the widest setting.

1. Turn on the projector and display an image.
2. Adjust the image size using the **W** (Wide) and **T** (Tele) buttons.
   
   After you adjust the image size, the Image Shift screen is displayed automatically.

3. Use the arrow buttons on the projector or remote control to adjust the image position.

   **Note:** You can also use the Settings menu to adjust the **Image Shift** setting.

**Parent topic:** Using Basic Projector Features

**Related references**

Projector Feature Settings - Settings Menu

---

**Focusing the Image**

1. Turn on the projector and display an image.

   **Note:** You can display a pattern to aid in adjusting the projected image using the Settings menu.
2. Slide the air filter cover latch and open the air filter cover.

3. Raise or lower the focus lever to sharpen the image.
Remote Control Operation

The remote control lets you control the projector from almost anywhere in the room, up to 19.7 feet (6 m) away. You can point it at the screen or board, or the front or back of the projector.

Make sure that you aim the remote control at the projector’s receivers within the angles listed here.

1. 19.7 feet (6 m)
2. ± 30°
3. ± 55°
4. 60°
5. 15°

Note: Avoid using the remote control in conditions with bright fluorescent lights or in direct sunlight, or the projector may not respond to commands. If you will not use the remote control for a long time, remove the batteries.

Using the Remote Control as a Wireless Mouse
Using the Remote Control as a Pointer

Parent topic: Using Basic Projector Features

Using the Remote Control as a Wireless Mouse

You can use the projector's remote control as a wireless mouse so you can control projection at a distance from the computer. The computer must be running Windows Vista or later, OS X 10.7 or later, macOS 10.12.x, or macOS 10.13.x.

Note: You cannot use this feature at the same time as the interactive pens. If you want to use the remote control as a wireless mouse, you need to change the USB Type B setting in the projector's Extended menu.

1. Connect the projector to a computer using the projector's USB-B, Computer, or HDMI port to display video.

   Note: You cannot use the wireless mouse feature with an MHL connection.

2. If you connected your computer to a port other than the projector's USB-B port, also connect a USB cable to the projector's USB-B port and to a USB port on your computer (for wireless mouse support).

3. Start your presentation.

4. Use the following buttons on the remote control to control your presentation:

   • To move through slides or pages, press the up or down Page buttons.

   • To move the cursor on the screen, use the arrow buttons.
• To left-click, press the button once (press it twice to double-click).
• To right-click, press the <Esc> button.
• To drag-and-drop, hold the <Esc> button as you move the cursor with the arrow buttons, then release
the <Esc> button at the destination.

**Note:** If the mouse button settings are set to reverse on the computer, the remote control buttons will also be reversed.

**Parent topic:** Remote Control Operation

**Related references**

Projector Setup Settings - Extended Menu

**Using the Remote Control as a Pointer**

You can use the projector's remote control as a pointer to help you call out important information on the screen. The default pointer shape is an arrow, but you can select an alternative shape using the Settings menu.

1. Press the **Pointer** button on the remote control.

![Remote Control Pointer Button](image)

2. Use the arrow buttons on the remote control to move the pointer on the screen.

![Remote Control Pointer Movement](image)
3. Press **Esc** to clear the pointer from the screen.

**Parent topic:** Remote Control Operation

**Related references**

- Projector Feature Settings - Settings Menu

---

**Selecting an Image Source**

If you connected multiple image sources to the projector, such as a computer and DVD player, you may want to switch from one image source to the other.

1. Make sure the connected image source you want to use is turned on.
2. For video image sources, insert a DVD or other video media and press its play button, if necessary.
3. Do one of the following:
   - Press the **Source Search** button on the projector or remote control until you see the image from the source you want.
   - Press the button for the source you want on the remote control. If there is more than one port for that source, press the button again to cycle through the sources.
• Press the **Home** button on the remote control and select your image source.

**Projection Modes**

Depending on how you positioned the projector, you may need to change the projection mode so your images project correctly.

• **Front** lets you project from a table in front of the screen.

• **Front/Upside Down** flips the image over top-to-bottom to project upside-down from a wall or ceiling mount. Also use this mode when you mount the projector vertically on a table to create an interactive work surface.

• **Rear** flips the image horizontally to project from behind a translucent screen.

• **Rear/Upside Down** flips the image over top-to-bottom and horizontally to project from the wall or ceiling and behind a translucent screen.
Note: The two Rear projection modes cannot be used with the interactive features.

You can change the projection mode using the remote control or by changing the Projection setting in the Extended menu.

Changing the Projection Mode Using the Remote Control

Changing the Projection Mode Using the Menus

Parent topic: Using Basic Projector Features

Changing the Projection Mode Using the Remote Control

You can change the projection mode to flip the image over top-to-bottom.

1. Turn on the projector and display an image.
2. Hold down the A/V Mute button on the remote control for 5 to 10 seconds.

![Remote Control Buttons](image)

The image disappears briefly and reappears flipped top-to-bottom.
3. To change projection back to the original mode, hold down the A/V Mute button for 5 to 10 seconds again.

Parent topic: Projection Modes

Changing the Projection Mode Using the Menus

You can change the projection mode to flip the image over top-to-bottom and/or left-to-right using the projector menus.

1. Turn on the projector and display an image.
2. Press the Menu button.
3. Select the **Extended** menu and press **Enter**.

![Extended menu screenshot]

4. Select the **Projection** setting and press **Enter**.

5. Select a projection mode and press **Enter**.

6. Press **Menu** or **Esc** to exit the menus.

**Parent topic:** [Projection Modes](#)

### Image Aspect Ratio

The projector can display images in different width-to-height ratios called aspect ratios. Normally the input signal from your video source determines the image's aspect ratio. However, for certain images you can change the aspect ratio to fit your screen by pressing a button on the remote control.

If you always want to use a particular aspect ratio for a certain video input source, you can select it using the projector's menus.

**Changing the Image Aspect Ratio**

**Available Image Aspect Ratios**

**Parent topic:** [Using Basic Projector Features](#)

### Changing the Image Aspect Ratio

You can change the aspect ratio of the displayed image to resize it.

1. Turn on the projector and switch to the image source you want to use.
2. Press the **Aspect** button on the remote control.

The shape and size of the displayed image changes, and the name of the aspect ratio appears briefly on the screen.

3. To cycle through the available aspect ratios for your input signal, press the **Aspect** button repeatedly.

   **Note:** To remove black bars when projecting from a computer, set the **Resolution** setting to **Wide** or **Normal** in the Signal menu, depending on your computer’s resolution.

**Parent topic:** Image Aspect Ratio

**Related references**

- [Input Signal Settings - Signal Menu](#)

**Available Image Aspect Ratios**

You can select the following image aspect ratios, depending on the input signal from your image source.

**Note:** Black bands and cropped images may project in certain aspect ratios, depending on the aspect ratio and resolution of your input signal.

<table>
<thead>
<tr>
<th>Aspect ratio setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto</td>
<td>Automatically sets the aspect ratio according to the input signal and the <strong>Resolution</strong> setting.</td>
</tr>
<tr>
<td>Normal</td>
<td>Displays images using the full projection area and maintains the aspect ratio of the image.</td>
</tr>
<tr>
<td>16:9</td>
<td>Converts the aspect ratio of the image to 16:9.</td>
</tr>
</tbody>
</table>
## Aspect Ratio Setting

<table>
<thead>
<tr>
<th>Aspect ratio setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full</td>
<td>Displays images using the full width of the projection area, but does not maintain the aspect ratio.</td>
</tr>
<tr>
<td>Zoom</td>
<td>Displays images using the full width of the projection area and maintains the aspect ratio of the image.</td>
</tr>
<tr>
<td>Native</td>
<td>Displays images as is (aspect ratio and resolution are maintained).</td>
</tr>
</tbody>
</table>

**Note:** The Auto aspect ratio setting is available only for HDMI image sources.

### Color Mode

The projector offers different Color Modes to provide optimum brightness, contrast, and color for a variety of viewing environments and image types. You can select a mode designed to match your image and environment, or experiment with the available modes.

If you always want to use a particular color mode for a certain video input source, you can select it using the projector menus.

**Changing the Color Mode**

**Available Color Modes**

**Turning On Automatic Luminance Adjustment**

**Parent topic:** [Image Aspect Ratio](#)

### Changing the Color Mode

You can change the projector's Color Mode using the remote control to optimize the image for your viewing environment.

1. Turn on the projector and switch to the image source you want to use.
2. If you are projecting from a DVD player or other video source, insert a disc or other video media and press the play button, if necessary.
3. Press the **Color Mode** button on the remote control to change the Color Mode.

The image appearance changes and the name of the Color Mode appears briefly on the screen.

4. To cycle through all the available Color Modes for your input signal, press the **Color Mode** button repeatedly.

**Parent topic:** [Color Mode](#)

### Available Color Modes

You can set the projector to use these Color Modes, depending on the input source you are using:

<table>
<thead>
<tr>
<th>Color Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dynamic</td>
<td>Best for video games in a bright room</td>
</tr>
<tr>
<td>Presentation</td>
<td>Best for color presentations in a bright room</td>
</tr>
<tr>
<td>Cinema</td>
<td>Best for movies projected in a dark room with natural tone images</td>
</tr>
<tr>
<td>sRGB</td>
<td>Best for standard sRGB computer displays</td>
</tr>
<tr>
<td>Blackboard</td>
<td>Best for projecting images directly onto a green chalkboard</td>
</tr>
</tbody>
</table>

**Parent topic:** [Color Mode](#)

### Turning On Automatic Luminance Adjustment

In the **Dynamic** and **Cinema** color modes, you can turn on the **Dynamic Contrast** setting to automatically optimize the image luminance. This improves the image contrast based on the brightness of the content you project.

1. Turn on the projector and switch to the image source you want to use.
2. Press the **Menu** button.
3. Select the **Image** menu and press **Enter**.

![Image Menu](image)

4. Select the **Dynamic Contrast** setting, choose one of the following options, and press **Enter**:
   - **High Speed** to adjust brightness as soon as the scene changes.
   - **Normal** to adjust brightness at the standard speed.

5. Press **Menu** or **Esc** to exit the menus.

**Parent topic:** Color Mode

**Related references**
- Projector Setup Settings - Extended Menu

---

### Controlling the Volume with the Volume Buttons

You can use the **Volume** buttons on the remote control or projector to adjust the volume as you project a presentation with audio. The volume buttons control the projector’s internal speaker system or any external speakers you connected to the projector.

You must adjust the volume separately for each connected input source.

1. Turn on the projector and start a presentation that includes audio.
2. To lower or raise the volume, press the **Volume** buttons on the remote control.

A volume gauge appears on the screen.

3. To set the volume to a specific level for an input source, use the projector menus.

**Parent topic:** Using Basic Projector Features

## Projecting a PC Free Presentation

You can use your projector's PC Free feature whenever you connect a USB device that contains compatible files. This lets you quickly and easily display the contents of the files and control their display using the projector's remote control.

- **Supported PC Free File Types**
- **Starting a PC Free Slide Show**
- **Starting a PC Free Movie Presentation**
- **PC Free Display Options**

**Parent topic:** Using Basic Projector Features

## Supported PC Free File Types

You can project these types of files using the projector's PC Free feature.

**Note:** For best results, place your files on media that is formatted in FAT16/32. If you have trouble projecting from media formatted for non-Windows file systems, try formatting the media for Windows instead. You may not be able to use the security features on certain USB storage devices with PC Free features. When connecting a USB-compatible hard drive, connect the AC adapter supplied with the drive. PC Free may not work with USB device security features.
<table>
<thead>
<tr>
<th>File type and extension</th>
<th>Details</th>
</tr>
</thead>
</table>
| Image (.jpg)            | Make sure the file is not:  
• CMYK format  
• Progressive format  
• Highly compressed  
• Above 8192 × 8192 resolution |
| Image (.bmp)            | Make sure the file resolution is not above 1280 × 800 |
| Image (.gif)            | Make sure the file is not:  
• Above 1280 × 800 resolution  
• Animated |
| Image (.png)            | Make sure the file resolution is not above 1920 × 1200 |
| Motion JPEG movie (.avi)| Supports only AVI 1.0  
Make sure the file is not:  
• Saved with an audio codec other than PCM or ADPCM  
• Above 1280 × 720 resolution  
• Larger than 2GB |

Parent topic: Projecting a PC Free Presentation

**Starting a PC Free Slide Show**

After connecting a USB device or digital camera to the projector, you can switch to the USB input source and start your slide show.

**Note:** You can change the PC Free operation options or add special effects by highlighting **Option** at the bottom of the screen and pressing **Enter**.

**Note:** You can also use the interactive pen or your finger to operate the slide show.

1. Press the **Source Search** button on the projector or remote control.
2. Select the **USB1** source.
The PC Free screen appears.

Note: If the Select Drive screen appears, press the arrow buttons to select the drive and press Enter.

3. Do the following as necessary to locate your files:
   • If you need to display files inside a subfolder on your device, press the arrow buttons to highlight the folder and press the Enter button.
   • To move back up a folder level on your device, highlight Back to Top and press Enter.
   • To view additional files in a folder, highlight Next page or Previous page and press Enter. (You can also press the Page up or down buttons on the remote control.)
   • To display images from a different USB drive, select Select Drive at the top of the PC Free screen and press Enter.

4. Do one of the following:
   • To display an individual image, press the arrow buttons to highlight the image and press Enter. (Press the Esc button to return to the file list screen.)
• To display a slide show of all the images in a folder, press the arrow buttons to highlight the Slideshow option at the bottom of the screen and press Enter.

Note: If any file names are longer than 8 characters or include unsupported symbols, the file names may be shortened or changed only in the screen display.

5. While projecting, use the following commands to control the display as necessary:
   • To rotate a displayed image, press the up or down arrow button. You can also rotate the image by flicking it with the interactive pen or your finger.
   • To move to the next or previous image, press the left or right arrow button. You can also move between images by flicking the image with the interactive pen or your finger.

6. To stop the display, follow the on-screen instructions or press the Esc button.
7. Turn off the USB device, if necessary, and then disconnect the device from the projector.

Parent topic: Projecting a PC Free Presentation

Starting a PC Free Movie Presentation

After connecting a USB device or digital camera to the projector, you can switch to the USB input source and start your movie.

Note: You can change the PC Free operation options by highlighting Option at the bottom of the screen and pressing Enter.

1. Press the Source Search button on the projector or remote control.
2. Select the USB1 source.
The PC Free screen appears.

Note: If the Select Drive screen appears, press the arrow buttons to select the drive and press Enter.

3. Do the following as necessary to locate your files:
   
   • If you need to display files inside a subfolder on your device, press the arrow buttons to highlight the folder and press the Enter button.
   
   • To move back up a folder level on your device, highlight Back to Top and press Enter.
   
   • To view additional files in a folder, highlight Next page or Previous page and press Enter. (You can also press the Page up or down buttons on the remote control.)
   
   • To display movie files from a different USB drive, select Select Drive at the top of the PC Free screen and press Enter.

4. To play back a movie, press the arrow buttons to highlight the file and press Enter.

Note: If any file names are longer than 8 characters or include unsupported symbols, the file names may be shortened or changed only in the screen display. If you want to play back all the movies in a folder in sequence, select the Slideshow option at the bottom of the screen.
5. To stop movie playback, press the **Esc** button, highlight **Exit**, and press **Enter**.

6. Turn off the USB device, if necessary, and then disconnect the device from the projector.

**Parent topic:** Projecting a PC Free Presentation

**PC Free Display Options**

You can select these display options when using the projector’s PC Free feature.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Display Order</strong></td>
<td>Name Order</td>
<td>Displays files in name order</td>
</tr>
<tr>
<td></td>
<td>Date Order</td>
<td>Displays files in date order</td>
</tr>
<tr>
<td><strong>Sort Order</strong></td>
<td>In Ascending</td>
<td>Sorts files in first-to-last order</td>
</tr>
<tr>
<td></td>
<td>In Descending</td>
<td>Sorts files in last-to-first order</td>
</tr>
<tr>
<td><strong>Continuous Play</strong></td>
<td>On</td>
<td>Displays a slide show continuously</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td>Displays a slide show one time through</td>
</tr>
<tr>
<td><strong>Screen Switching Time</strong></td>
<td>No</td>
<td>Does not display the next file automatically</td>
</tr>
<tr>
<td></td>
<td>1 Second to 60 Seconds</td>
<td>Displays files for the selected time and switches to the next file automatically; high resolution images may switch at a slightly slower rate</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>---------</td>
<td>---------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td>Effect</td>
<td>Wipe</td>
<td>Transitions between images with a wipe effect</td>
</tr>
<tr>
<td></td>
<td>Dissolve</td>
<td>Transitions between images with a dissolve effect</td>
</tr>
<tr>
<td></td>
<td>Random</td>
<td>Transitions between images using a random variety of effects</td>
</tr>
</tbody>
</table>

**Parent topic:** [Projecting a PC Free Presentation](#)
Adjusting Projector Features

Follow the instructions in these sections to use your projector's feature adjustments.

- Projecting Two Images Simultaneously
- Using Multiple Projectors (DuoLink)
- Shutting Off the Picture and Sound Temporarily
- Stopping Video Action Temporarily
- Zooming Into and Out of Images
- Projector Security Features
- Creating a User Pattern to Display
- Copying Menu Settings Between Projectors
Projecting Two Images Simultaneously

You can use the split screen feature to simultaneously project two images from different image sources next to each other. You can control the split screen feature using the remote control or the projector menus.

**Note:** While you use the split screen feature, other projector features may not be available and some settings may be automatically applied to both images.

**Note:** You cannot use split screen with certain input source combinations. You cannot perform split screen projection when the Connect ELPCB02 setting is set to On in the Extended menu.
1. Press the **Split** button on the remote control.

![Remote Control Buttons]

The currently selected input source moves to the left side of the screen.

2. Press the **Menu** button.

You see this screen:

![Split Screen Setup]

3. To select an input source for the other image, select the **Source** setting, press **Enter**, select the input source, select **Execute**, and press **Enter**. (You can also change image sources, if necessary.)

4. To switch the images, select the **Swap Screens** setting and press **Enter**.

5. To change the image sizes, select the **Screen Size** setting, press **Enter**, select a sizing option, press **Enter**, and press **Menu** to exit.

**Note:** Depending on the video input signals, the images may not appear at the same size even if you choose the **Equal** setting.
6. To choose the audio you want to hear, select the Audio Source setting, press Enter, select an audio option, press Enter, and press Menu to exit.

7. To align the projected images, select the Align setting, press Enter, select the setting, press Enter, and press Menu to exit.

8. To exit the split screen feature, press the Split or Esc button.

**Input Sources for Split Screen Projection**

Parent topic: Adjusting Projector Features

---

### Input Sources for Split Screen Projection

You can choose from the input source combinations listed here for split screen projection.

<table>
<thead>
<tr>
<th>Left Screen</th>
<th>Right Screen</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI1/MHL</td>
<td>HDMI2</td>
</tr>
<tr>
<td></td>
<td>HDMI3</td>
</tr>
<tr>
<td></td>
<td>Computer</td>
</tr>
<tr>
<td></td>
<td>Video</td>
</tr>
<tr>
<td></td>
<td>USB Display</td>
</tr>
<tr>
<td></td>
<td>USB1</td>
</tr>
<tr>
<td></td>
<td>USB2</td>
</tr>
<tr>
<td></td>
<td>LAN</td>
</tr>
</tbody>
</table>

Parent topic: Projecting Two Images Simultaneously

---

### Using Multiple Projectors (DuoLink)

You can combine the projected images from two or more projectors to create one large image. Follow the instructions in these sections to set up and project from multiple projectors.
Note: See the online *DuoLink Setup Guide* for additional information.

Projector Identification System for Multiple Projector Control
Adjusting Color Uniformity
Adjusting the Projector's Brightness Level
Matching the Image Colors
Adjusting RGBCMY

Parent topic: Adjusting Projector Features

### Projector Identification System for Multiple Projector Control

You can operate multiple projectors using one remote control for more elaborate presentations. To do this, you assign an identification number to each projector and to the remote control. Then you can operate all the projectors at once or individually.

- Setting the Projector ID
- Setting the Remote Control ID

Parent topic: Using Multiple Projectors (DuoLink)

#### Setting the Projector ID

If you want to control multiple projectors from a remote control, give each projector a unique ID.

1. Press the **Menu** button.
2. Select the **Extended** menu and press **Enter**.
3. Select the **Multi-Projection** setting and press **Enter**.
4. Select **Projector ID** and press **Enter**.

5. Press the arrow buttons on the remote control to select the identification number you want to use for the projector. Then press **Enter**.

   Repeat these steps for all the other projectors you want to operate from one remote control.

   **Note:** If you don't know the projector's ID, aim the remote control at the projector and press the **ID** button to temporarily display the projector's ID on the screen.

   **Parent topic:** [Projector Identification System for Multiple Projector Control](#)

### Setting the Remote Control ID

The remote control's ID is set to zero by default so it can operate any compatible projector. If you want to set the remote control to operate only a particular projector, you need to set the remote control's ID to match the projector's ID.

   **Note:** You must set the remote control ID to match the projector ID each time you turn on the projector you have set it to control.

1. Turn on the projector you want the remote control to operate with exclusively.
2. Make sure you know the projector's ID number as set in the Extended menu **Projector ID** setting.

   **Note:** If you have forgotten the projector's ID, aim the remote control at the projector and press the **ID** button to temporarily display the projector's ID on the screen. If you turn off the **Projector ID** setting, the remote control will operate the projector regardless of the ID selected on the remote.
3. Aim the remote control at that projector.

4. Hold down the ID button on the remote control while you press the numeric button that matches the projector's ID. Then release the buttons.

![Link Menu]

5. Press the ID button on the remote control to check if the ID-setting process worked.

You see a message displayed by the projector.

- If the remote control is listed as On, the remote control ID is set to operate only the listed projector.
- If the remote control is listed as Off, the remote control ID is not set properly. Repeat the steps above to set the ID to match the projector you want to control.

Parent topic: Projector Identification System for Multiple Projector Control

**Adjusting Color Uniformity**

If the color tone is uneven on each screen, adjust the color tone balance in the Extended menu of each projector. (The color tone may not be uniform even after performing color uniformity.)

**Note:** If you cannot adjust color uniformity, make sure the Color Mode setting is not set to Dynamic. (The Color Mode for both projectors should be set to Presentation.)
1. Press the **Menu** button on the remote or control panel, select the **Extended** menu, and press **Enter**.

2. Select the **Multi-Projection** setting and press **Enter**.
3. Select the **Color Uniformity** setting and press **Enter**.

4. Select **On** as the **Color Uniformity** setting and press **Enter**, then press **Esc**.

5. Select **Adjustment Level** and press **Enter**.

6. Select an adjustment level and press **Esc**.

7. Select **Start Adjustments** and press **Enter**.

8. Select the area you want to adjust and press **Enter**.
9. Select Red, Green, or Blue and press the left arrow button to weaken the color tone or the right arrow button to strengthen the color tone.

    **Note:** The adjustment screen changes each time you press Enter.

10. Press Esc to return to the area selection screen.
11. Repeat steps 8 through 10 for each area, then select All to adjust the entire screen.
12. Press Esc to exit the menus.

**Parent topic:** Using Multiple Projectors (DuoLink)

### Adjusting the Projector's Brightness Level

When projecting with multiple projectors, you must adjust the brightness setting so that all projectors are equally bright. (Even after adjusting the brightness levels, the brightness of each projector may not match exactly.)

1. Turn on all the projectors and display the same image.
2. Press the **Menu** button.
3. Select the **ECO** menu and press **Enter**.
4. Select **Brightness Settings** and press **Enter**.
5. Select **Normal** for the **Light Source Mode** setting and press **Esc**.

    **Note:** If you have set Multi-Projection to On, you cannot change the **Light Source Mode** setting.
6. Select the **Extended** menu and press **Enter**.

7. Select the **Multi-Projection** setting and press **Enter**.

8. Select **On** and press **Esc**.
9. Select **Brightness Settings** and press **Enter**.

10. Select the **Brightness Level** setting and press **Enter**.

11. Use the left and right arrow buttons on the remote control to adjust the brightness level.

12. Press **Esc** to return to the previous screen.

**Parent topic:** Using Multiple Projectors (DuoLink)

### Matching the Image Colors

You can match the display color of multiple projectors that will project next to one another.

1. Press the **Menu** button.
2. Select the **Extended** menu and press **Enter**.

3. Select the **Multi-Projection** setting and press **Enter**.

4. Select the **Color Matching** setting and press **Enter**.
You see this screen:

5. Press the left or right arrow buttons to select a value for the **Adjustment Level** setting.

   **Note:** There are several adjustment levels and you can adjust each level individually.

6. Press the left or right arrow buttons to adjust the color tone for the Red, Green, and Blue settings.
7. Press the left or right arrow buttons to adjust the **Brightness** setting.
8. Repeat the previous three steps as necessary to adjust each adjustment level.

**Parent topic:** Using Multiple Projectors (DuoLink)

### Adjusting RGBCMY

You can adjust the **Hue**, **Saturation**, and **Brightness** settings for R (red), G (green), B (blue), C (cyan), M (magenta), and Y (yellow) color components.

Turn on all the projectors and select the **RGBCMY** setting in each projector's Extended menu so that the color tone on the combined screen becomes entirely even.

1. Press the **Menu** button.
2. Select the **Extended** menu and press **Enter**.

3. Select the **Multi-Projection** setting and press **Enter**.
4. Select the **RGBCMY** setting and press **Enter**.

5. Select the color you want to adjust and press **Enter**.

   You see this screen:

   ![Adjustment Screen]

   - To adjust the overall hue of the color, adjust the **Hue** setting.
   - To adjust the overall vividness of the color, adjust the **Saturation** setting.
   - To adjust the overall brightness of the color, adjust the **Brightness** setting.

6. Press the left or right arrow buttons to adjust the **Hue**, **Saturation**, and **Brightness** settings.

7. Repeat the previous three steps as necessary to adjust each color.

8. Press **Menu** or **Esc** to exit the menus.

**Parent topic:** Using Multiple Projectors (DuoLink)
Shutting Off the Picture and Sound Temporarily

You can temporarily turn off the projected picture and sound if you want to redirect your audience's attention during a presentation. Any sound or video action continues to run, however, so you cannot resume projection at the point that you stopped it.

If you want to display an image such as a company logo or picture when the presentation is stopped, you can set up this feature using the projector's menus.

1. Press the **A/V Mute** button on the remote control to temporarily stop projection and mute any sound.

2. To turn the picture and sound back on, press **A/V Mute** again.

**Note:** The projector's power automatically turns off thirty minutes after A/V Mute is enabled. You can disable this feature in the projector's **Eco** menu.

Parent topic: Adjusting Projector Features

Related tasks

- Saving a User's Logo Image to Display

Stopping Video Action Temporarily

You can temporarily stop the action in a video or computer presentation and keep the current image on the screen. Any sound or video action continues to run, however, so you cannot resume projection at the point that you stopped it.

**Note:** You can also stop video action using the interactive pens.
1. Press the **Freeze** button on the remote control to stop the video action.

2. To restart the video action in progress, press **Freeze** again.

Parent topic: Adjusting Projector Features

### Zooming Into and Out of Images

You can draw attention to parts of a presentation by zooming into a portion of the image and enlarging it on the screen.

**Note:** You can also zoom into your image using the interactive pens.

1. Press the **E-Zoom +** button on the remote control.
You see a crosshair on the screen indicating the center of the zoom area.

2. Use the following buttons on the remote control to adjust the zoomed image:
   • Use the arrow buttons to position the crosshair in the image area you want to zoom into.
   • Press the **E-Zoom +** button repeatedly to zoom into the image area, enlarging it as necessary. Press and hold the **E-Zoom +** button to zoom in more quickly.
   • To pan around the zoomed image area, use the arrow buttons.
   • To zoom out of the image, press the **E-Zoom –** button as necessary.
   • To return to the original image size, press **Esc**.

**Parent topic:** Adjusting Projector Features

### Projector Security Features

You can secure your projector to deter theft or prevent unintended use by setting up the following security features:

- Password security to prevent the projector from being turned on, and prevent changes to the startup screen and other settings.
- Button lock security to block operation of the projector using the buttons on the control panel.
- Security cabling to physically cable the projector in place.

**Password Security Types**

**Locking the Projector’s Buttons**

**Installing a Security Cable**

**Parent topic:** Adjusting Projector Features

### Password Security Types

You can set up these types of password security using one shared password:

- **Power On Protection** password prevents anyone from using the projector without first entering a password.
- **User’s Logo Protection** password prevents anyone from changing the custom screen the projector can display when it turns on. The presence of the custom screen discourages theft by identifying the projector’s owner.
- **Network Protection** password prevents anyone from changing the network settings in the projector menus.
Setting a Password
Selecting Password Security Types
Entering a Password to Use the Projector
Saving a User's Logo Image to Display

Parent topic: Projector Security Features

Setting a Password

To use password security, you must set a password.

**Note:** The default password is set to **0000**.

1. Hold down the **Freeze** button on the remote control for about five seconds or until you see this menu.

![Password Protection Menu](image)

2. Press the down arrow to select **Password** and press **Enter**.
   
   You see the prompt "Change the password?".

3. Select **Yes** and press **Enter**.
4. Press and hold down the **Num** button on the remote control and use the numeric buttons to set a four-digit password.

5. Enter the password again.

6. Press **Esc** to return to the menu.

7. Make a note of the password and keep it in a safe place in case you forget it.

**Parent topic:** Password Security Types

**Selecting Password Security Types**

After setting a password, you see this menu, allowing you to select the password security types you want to use.

![Password Protection Menu](image)
If you do not see this menu, hold down the **Freeze** button on the remote control for about five seconds or until the menu appears.

- To prevent unauthorized use of the projector, select **Power On Protection**, press **Enter**, select **On**, press **Enter** again, and press **Esc**.
- To prevent changes to the User's Logo screen or related display settings, select **User's Logo Protection**, press **Enter**, select **On**, press **Enter** again, and press **Esc**.
- To prevent changes to network settings, select **Network Protection**, press **Enter**, select **On**, press **Enter** again, and press **Esc**.

You can attach the Password Protect sticker to the projector as an additional theft deterrent.

**Note:** Be sure to keep the remote control in a safe place; if you lose it, you will not be able to enter the password required to use the projector.

**Parent topic:** [Password Security Types](#)

**Entering a Password to Use the Projector**

If a password is set up and a **Power On Protection** password is enabled, you see a prompt to enter a password whenever you turn on the projector.

You must enter the correct password to use the projector.
1. Press and hold down the **Num** button on the remote control while you enter the password using the numeric buttons.

![Remote Control Keypad]

**Note:** The default password is **0000**.

The password screen closes.

2. If the password is incorrect, the following may happen:
   - You see a "wrong password" message and a prompt to try again. Enter the correct password to proceed.
   - If you have forgotten the password, make note of the **Request Code:** `xxxxx` number that appears on the screen and contact Epson Support.
   - If you enter an incorrect password three times in succession, you see a message telling you that the projector is locked. After the message is displayed for 5 minutes, the projector enters standby mode. Unplug the projector, plug in the power cord, and turn on the projector. You see a prompt to enter the password.
   - If you continue to enter an incorrect password many times in succession, the projector displays a request code and a message to contact Epson Support. Do not attempt to enter the password again. When you contact Epson Support, provide the displayed request code and proof of ownership for assistance in unlocking the projector.

**Parent topic:** Password Security Types

**Related references**

Where to Get Help
Saving a User’s Logo Image to Display

You can transfer an image to the projector and then display it whenever the projector turns on. You can also display the image when the projector is not receiving an input signal or when you temporarily stop projection. This transferred image is called the User’s Logo screen.

The image you select as the User’s Logo can be a photo, graphic, or company logo, which is useful in identifying the projector's owner to help deter theft. You can prevent changes to the User's Logo by setting up password protection for it.

**Note:** When you copy the menu settings from one projector to another using the batch setup feature, the user logo is also copied. Do not include any information in the user logo that you do not want to share between multiple projectors.

1. Display the image you want to project as the User’s Logo.
2. Press the **Menu** button, select the **Extended** menu, and press **Enter**.

   ![Menu screen]

   3. Select the **User’s Logo** setting and press **Enter**.
      
      You see a prompt asking if you want to use the displayed image as a user’s logo.

   4. Select **Yes** and press **Enter**.
      
      You see a selection box overlaying your image.

      **Note:** When you select **User’s Logo**, adjustments such as **Keystone**, **E-Zoom**, or **Aspect** are temporarily canceled.
5. Use the arrow buttons on the remote control to surround the image area you want to use as the User's Logo and press **Enter**.
   You see a prompt asking if you want to select this image area.

6. Select **Yes** and press **Enter**. (If you want to change the selected area, select **No**, press **Enter**, and repeat the last step.)
   You see the User's Logo zoom factor menu.

7. Select a zoom percentage and press **Enter**.
   You see a prompt asking if you want to save the image as the User's Logo.

8. Select **Yes** and press **Enter**.
   You see a completion message.

9. Press **Esc** to exit the message screen.

10. Select the **Extended** menu and press **Enter**.

11. Select **Display** and press **Enter**.

12. Select when you want to display the User's Logo screen:
   - To display it whenever there is no input signal, select **Display Background** and set it to **Logo**.
   - To display it whenever you turn the projector on, select **Startup Screen** and set it to **On**.

To prevent anyone from changing the User's Logo settings without first entering a password, set a password and enable User's Logo security.

**Parent topic:** Password Security Types

**Related tasks**
- Setting a Password
- Selecting Password Security Types
Locking the Projector's Buttons

You can lock the buttons on the projector's control panel to prevent anyone from using the projector. You can lock all the buttons or all the buttons except the power button.

Note: The projector can still be operated using the remote control.

1. Press the Menu button.
2. Select the Settings menu and press Enter.
3. Select **Lock Setting** and press **Enter**.
4. Select the **Control Panel Lock** setting and press **Enter**.
5. Select one of these lock types and press **Enter**:
   - To lock all of the projector's buttons, select **Full Lock**.
   - To lock all buttons except the power button, select **Partial Lock**.
   You see a confirmation prompt.
6. Select **Yes** and press **Enter**.

**Unlocking the Projector's Buttons**

**Parent topic:** Projector Security Features

### Unlocking the Projector's Buttons

If the projector's buttons have been locked, hold the **Enter** button on the projector's control panel for seven seconds to unlock them. You can also set the **Control Panel Lock** setting to **Off** in the Settings menu.

**Parent topic:** Locking the Projector's Buttons

**Related references**

[Projector Feature Settings - Settings Menu](#)

### Installing a Security Cable

You can install two types of security cables on the projector to deter theft.

- Use the security slot on the projector to attach a Kensington lock. See your local computer or electronics dealer for purchase information.
• Use the security cable attachment point on the projector to attach a wire cable and secure it to a room fixture or heavy furniture.

**Note:** Do not pass drop-prevention cables through the security cable attachment point when mounting the projector on a wall or ceiling.

**Parent topic:** Projector Security Features

## Creating a User Pattern to Display

You can transfer an image to the projector and then display it as a pattern to aid in presentations when you use the Pattern Display feature. This transferred image is called the User Pattern.

**Note:** Once you save a user pattern, you cannot restore the default pattern.

1. Display the image you want to project as the User Pattern from a connected computer or video source.
2. Press the **Menu** button, select the **Settings** menu, and press **Enter**.

3. Select the **Pattern** setting and press **Enter**.

4. Select the **User Pattern** setting and press **Enter**.

   You see a prompt asking if you want to use the displayed image as a User Pattern.

   **Note:** When you select **User Pattern**, adjustments such as **Keystone**, **E-Zoom**, **Aspect**, **Adjust Zoom**, or **Image Shift** are temporarily canceled.

5. Select **Yes** and press **Enter**.

   **Note:** It takes a few moments for the projector to save the image; do not use the projector, its remote control, or any connected equipment until it is finished.

   You see a completion message.

6. Press **Esc** to exit the message screen.

**Parent topic:** Adjusting Projector Features

### Copying Menu Settings Between Projectors

After you select menu settings for your projector, you can transfer them to another projector of the same model.
**Note:** Copy the projector's settings before you adjust the projected image using the projector's Geometry Correction settings. Any saved User's Logo setting on the projector will transfer to the other projector.

**Caution:** If the copy process fails due to a power failure, communication error, or for any other reason, Epson will not be responsible for any repair costs incurred.

The following settings will not transfer between projectors:

- Info menu items
- Network menu settings other than those in the Notifications and Others menus

**Note:** In addition to the methods covered in this section, you can also copy and transfer settings to multiple projectors over a network using the EasyMP Network Updater software. See the online *EasyMP Network Updater Operation Guide* for instructions. You can download the latest software and documentation from the Epson website.

- Saving Settings to a USB Flash Drive
- Transferring Settings from a USB Flash Drive
- Saving Settings to a Computer
- Transferring Settings from a Computer

**Parent topic:** Adjusting Projector Features

### Saving Settings to a USB Flash Drive

You can save the projector settings you want to transfer to a USB flash drive.

**Note:** Use an empty flash drive. If the drive contains other files, the transfer may not complete correctly. The flash drive must use the FAT format and cannot have any security features.

1. Turn off the projector and unplug the power cord from the projector's power inlet.
2. Insert the flash drive into the USB-A port.

![USB-A port](image)

**Note:** Connect the flash drive directly to the projector. Do not use a hub or your settings may not be saved correctly.

3. Press and hold the Esc button on the control panel or remote control as you connect the power cord to the projector's power inlet.

4. When the On/Standby and Status lights are blue, and the Laser and Temp lights are orange, release the Esc button.

   The lights flash to indicate that settings are transferring to the flash drive. When the lights stop flashing, the On/Standby light turns blue and the projector enters standby mode.

   **Caution:** Do not unplug the power cord or remove the flash drive while the lights are flashing. This could damage the projector.

5. Once the projector enters standby mode, remove the flash drive.

**Parent topic:** Copying Menu Settings Between Projectors

### Transferring Settings from a USB Flash Drive

After saving projector settings to a USB flash drive, you can transfer them to another projector of the same model.
Note: Make sure the USB flash drive contains only a single settings transfer from another projector of the same model. The settings are contained in a file called `pjconfdata.bin`. If the drive contains other files, the transfer may not complete correctly.

Do not adjust image settings on a projector until after you transfer settings to it. Otherwise, you may have to repeat your adjustments.

1. Turn off the projector and unplug the power cord from the projector's power inlet.
2. Insert the flash drive into one of the USB-A ports.

Note: Connect the flash drive directly to the projector. Do not use a hub or your settings may not be saved correctly.

3. Press and hold the Menu button on the control panel or remote control as you connect the power cord to the projector's power inlet.
4. When the On/Standby and Status lights are blue, and the Laser and Temp lights are orange, release the Menu button.
   The lights flash to indicate that settings are transferring to the projector. When the lights stop flashing, the On/Standby light turns blue and the projector enters standby mode.

   Caution: Do not unplug the power cord or remove the flash drive while the lights are flashing. This could damage the projector.

5. Once the projector enters standby mode, remove the flash drive.
Saving Settings to a Computer

You can save the projector settings you want to transfer to a computer. Your computer must be running one of the following operating systems:

- Windows Vista
- Windows 7
- Windows 8.x
- Windows 10
- OS X 10.7.x
- OS X 10.8.x
- OS X 10.9.x
- OS X 10.10.x
- OS X 10.11.x
- macOS 10.12.x
- macOS 10.13.x

1. Turn off the projector and unplug the power cord from the projector's power inlet.
2. Connect a USB cable to your projector's USB-B port.
3. Connect the other end to any available USB port on your computer.
4. Press and hold the Esc button on the control panel or remote control as you connect the power cord to the projector’s power inlet.
5. When the On/Standy and Status lights are blue, and the Laser and Temp lights are orange, release the Esc button.
   The projector shows up as a removable disk on your computer.
6. Open the removable disk and copy the pjconfdata.bin file to your computer.
7. Once the file has copied, do one of the following:
   • **Windows**: Open the My Computer, Computer, or Windows Explorer utility. Right-click the name of your projector (listed as a removable disk) and select Eject.
   • **Mac**: Drag the removable disk icon for your projector from the desktop into the trash.
   The projector enters standby mode when you disconnect the USB cable.

**Parent topic:** Copying Menu Settings Between Projectors

### Transferring Settings from a Computer

After saving projector settings to a computer, you can transfer them to another projector of the same model.

Your computer must be running one of the following operating systems:

- Windows Vista
- Windows 7
- Windows 8.x
- Windows 10
- OS X 10.7.x
- OS X 10.8.x
- OS X 10.9.x
- OS X 10.10.x
- OS X 10.11.x
- macOS 10.12.x
- macOS 10.13.x
Do not adjust image settings on a projector until after you transfer settings to it. Otherwise, you may have to repeat your adjustments.

1. Turn off the projector and unplug the power cord from the projector's power inlet.
2. Connect a USB cable to your projector's USB-B port.

3. Connect the other end to any available USB port on your computer.

4. Press and hold the Menu button on the control panel or remote control as you connect the power cord to the projector's power inlet.

5. When the On/Standby and Status lights are blue, and the Laser and Temp lights are orange, release the Menu button.
   The projector shows up as a removable disk on your computer.

6. Copy the pjconfdata.bin file from your computer to the removable disk.

   **Note:** Do not copy any other files to the removable disk.

7. Once the file has copied, do one of the following:
   - **Windows:** Open the My Computer, Computer, or Windows Explorer utility. Right-click the name of your projector (listed as a removable disk) and select Eject.
   - **Mac:** Drag the removable disk icon for your projector from the desktop into the trash.

   All the lights start flashing to indicate that the projector's settings are being updated. When the lights stop flashing, the On/Standby light turns blue and the projector enters standby mode.
Caution: Do not unplug the power cord while the lights are flashing. This could damage the projector.

Parent topic: Copying Menu Settings Between Projectors
Using the Interactive Features

Follow the instructions in these sections to use your projector's interactive features.

Interactive Modes
Using the Interactive Pens
Using Finger Touch Interactivity
Using BrightLink with a Computer
Windows Pen Input and Ink Tools
Using BrightLink Without a Computer
Splitting the Interactive Screen
Using Interactive Features with Two Projectors (DuoLink)

Interactive Modes

The BrightLink interactive features turn any wall into an interactive whiteboard, either with or without a computer. These interactive modes are available:

• In built-in whiteboard mode, you can use one or both interactive pens or your finger to write on the projected "whiteboard". You can split the screen and interact with the whiteboard and another source. You can insert images from a USB drive and save or print your whiteboard without connecting a computer.

• In built-in annotation mode (PC Free Annotation), you can annotate over content projected from a computer, tablet, document camera, or other source. You can capture your annotated pages, and save or print them. You can even split the screen and annotate on two images at the same time, using one or both pens.

• In PC Interactive mode, you can use the interactive pen or your finger as a mouse to navigate, select, and scroll through content from your computer. You can split the screen and interact with two projected images at the same time.

Note: You can also use the Easy Interactive Tools software to provide additional interactive features, such as saving your annotations and printing them. See the online Easy Interactive Tools Operation Guide for detailed instructions.

Using the Projected Screen as a Whiteboard (Built-in Whiteboard Mode)
Drawing on a Projected Image (Built-in Annotation Mode)
Controlling Computer Features from a Projected Screen (PC Interactive Mode)
Using the Projected Screen as a Whiteboard (Built-in Whiteboard Mode)

You can use the interactive pens or your finger to write or draw on the projection surface just as you would on a chalkboard or dry erase board. You can use one pen, both pens at the same time, or a combination of pens and finger touch.

1. Hover near or tap the board or projected image with the interactive pen or your finger. Tap the whiteboard icon on the toolbar.

   You see the whiteboard screen, with the main toolbar on the side and the projector control toolbar on the bottom of the screen:

2. To move the main toolbar to the other side of the screen, tap the arrow on the opposite side of the screen.

   Note: You can use the pen or your finger to move the arrow icon up or down to reposition the toolbar.
3. To close the main toolbar, select the icon at the bottom of the toolbar.

**Note:** If you want to hide the toolbar automatically after drawing, select the icon at the bottom of the toolbar.

4. To show or hide the projector control toolbar, select the or arrow.

**Note:** You can also show or hide the projector control toolbar by setting the **Extended > Display > Projector Control** setting to **On** or **Off**.

Parent topic: Interactive Modes

Related references

Projector Setup Settings - Extended Menu

**Drawing on a Projected Image (Built-in Annotation Mode)**

You can project from a computer, tablet, video device, or other source and annotate over your projected content using the interactive pens or your finger. You can use one pen, both pens at the same time, or a combination of pens and finger touch.

1. Project an image from a connected device.

2. Hover near or tap the board or projected image with the interactive pen or your finger. Tap the built-in annotation mode icon on the toolbar.
You see the main toolbar on the side and the projector control toolbar on the bottom of the projected image.

3. To move the main toolbar to the other side of the screen, tap the arrow on the opposite side of the screen.

   **Note:** You can use the pen or your finger to move the arrow icon up or down to reposition the toolbar.

4. To switch to one of the other interactive modes, do one of the following:
   - To switch to built-in whiteboard mode, select.
   - To switch to PC Interactive mode, select , then select.

   **Note:** You can also press the **Pen Mode** button on the remote control to switch between modes.
5. To close the main toolbar, select the icon at the bottom of the toolbar.

   **Note:** If you want to hide the toolbar automatically after drawing, select the icon at the bottom of the toolbar.

6. To show or hide the projector control toolbar, select the or arrow.

   **Note:** You can also show or hide the projector control toolbar by setting the **Extended > Display > Projector Control** setting to **On** or **Off**.

**Parent topic:** Interactive Modes

**Related references**

- [Projector Setup Settings - Extended Menu](#)

**Controlling Computer Features from a Projected Screen (PC Interactive Mode)**

You can navigate, select, and interact with your computer programs from the projected screen using the interactive pens or your finger just as you would a mouse.

   **Note:** Mac users need to install the Easy Interactive Driver before using PC Interactive mode. Go to [epson.com/support](http://epson.com/support) (U.S.) or [epson.ca/support](http://epson.ca/support) (Canada) and select your projector.

1. Connect the projector to your computer using a USB cable.
2. Turn on your projector and computer to project your computer screen.
3. Press the **Menu** button on the remote control, select the **Extended** menu, and press the **Enter** button.

4. Select the **USB Type B** setting and press the **Enter** button.

5. Select one of the following:
   - **Easy Interactive Function** to use PC Interactive mode.
   - **USB Display/Easy Interactive Function** to use PC Interactive mode and USB Display.

6. Press the **Esc** button to exit the USB Type B menu.
7. Select the **Easy Interactive Function** setting and press the **Enter** button.

8. Select one of the following as the **Pen Operation Mode** depending on the operating system your computer is using:
   - **Windows/Mac Mode**: Windows or Mac
   - **Ubuntu Mode**: Ubuntu

9. Press the **Enter** button and press the **Menu** button to exit the Extended menu.

10. Hover near or tap on the board or the projected image with the interactive pen or your finger.
    
    The 🖋️ icon is displayed on the projected screen.

11. Select the 🖋️ icon, then select the 🖋️ icon.
    
    You can now operate the computer using the interactive pens or your finger.

**PC Interactive Mode System Requirements**

**Parent topic:** Interactive Modes

**Related references**

- Projector Setup Settings - Extended Menu

**PC Interactive Mode System Requirements**

- Your computer system must meet the system requirements here to use PC Interactive mode and Easy Interactive Tools.
Note: Easy Interactive Driver must be installed and running to use Easy Interactive Tools on a Mac.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Windows</th>
<th>Mac</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating system</td>
<td>Windows Vista SP2 Ultimate, Enterprise, Business, Home Premium, and Home Basic (32-bit)</td>
<td>OS X 10.7.x, 10.8.x, 10.9.x, 10.10.x, 10.11.x; macOS 10.12.x, macOS 10.13.x</td>
</tr>
<tr>
<td></td>
<td>Windows 8.x, Pro, Enterprise, Windows 7 SP1 Ultimate, Enterprise, Professional, Home Premium (32- and 64-bit)</td>
<td>(QuickTime 7.7 or later required)</td>
</tr>
<tr>
<td></td>
<td>Windows 10 Home and Pro (32- and 64bit)</td>
<td></td>
</tr>
<tr>
<td>CPU</td>
<td>Core2 Duo 1.2 GHz or faster (Core i3 or faster recommended)</td>
<td>Core2 Duo 1.2 GHz or faster (Core i5 or faster recommended)</td>
</tr>
<tr>
<td>Memory</td>
<td>1GB or more (2GB or more recommended)</td>
<td></td>
</tr>
<tr>
<td>Hard disk space</td>
<td>100MB or more</td>
<td></td>
</tr>
<tr>
<td>Display</td>
<td>Resolution between 1024 × 768 and 1920 × 1200, 16-bit color or greater</td>
<td></td>
</tr>
</tbody>
</table>

Parent topic: Controlling Computer Features from a Projected Screen (PC Interactive Mode)

Related references
Projector Setup Settings - Extended Menu

Using the Interactive Pens
Follow the instructions in these sections to use the interactive pens.

Using the Pens
Pen Calibration

Parent topic: Using the Interactive Features

Using the Pens
Your projector came with a blue pen and an orange pen, identified by the color strip at the end of the pen. You can use either pen, or both pens at the same time (one of each color) in built-in whiteboard or annotation mode.

Make sure the pen batteries are installed.
**Note:** The pen turns off automatically after 15 seconds of inactivity. Hold the pen to turn the pen back on.

1  Pen tip  
2  Battery light  
3  Function button  
4  Attachment for optional strap or cord  
5  Battery cover

- To turn on the pen, move the pen.

**Note:** If you press the function button, the battery light flashes briefly, then turns off. If the battery is low, the battery light flashes continuously.
• For best performance, hold the pen perpendicular to the board, as shown below. Do not cover the black section near the tip of the pen.

• To write or draw on the projection surface in built-in annotation mode or built-in whiteboard mode, do the following:

  • To select a projected item, such as an icon, tap the projection surface with the pen tip.
  • To draw on the projected screen, tap the projection surface with the pen and drag it as necessary.
  • To move the pointer, hover over the surface without touching it.
  • To switch the pen from drawing tool to eraser, press the button on the side.

  **Note:** You can change the function of the button by changing the **Pen Button Function** setting in the Extended menu.
To use the pen as a mouse in PC Interactive mode, do the following:

- To left-click, tap the board with the pen tip.
- To double-click, tap twice.
- To right-click, press the button on the side or press and hold the pen on the screen (Windows).
- To click and drag, tap and drag with the pen.
- To move the cursor, hover over the board without touching it.

**Note:** You can turn off the hovering feature using the Hovering setting in the projector’s Easy Interactive Function menu.

**Note:** To make a long press of the pen act as a right-click on a Mac, set the Pen Operation Mode setting to Ubuntu Mode and turn on the Enable Right Click setting.

**Parent topic:** Using the Interactive Pens

**Related references**
- Projector Setup Settings - Extended Menu

**Pen Calibration**

Calibration coordinates the position of the pen with the location of your cursor. You only need to calibrate the first time you use your projector’s interactive features. Calibration results remain until you calibrate again.

Be sure to calibrate the pen before performing finger touch calibration.

If you notice positioning discrepancies after doing any of the following, calibrate again:

- Performing Geometry Correction
- Adjusting the image size
• Using the Image Shift feature
• Moving the projector

**Note:** When using multiple projectors with DuoLink, draw a line across the two screens after pen calibration and make sure the screens are aligned correctly. If the line position does not match, realign the screens and perform calibration again. See the online *DuoLink Setup Guide* for additional information.

**Note:** Move any pen you are not using away from the projection screen while calibrating.

Calibrating Automatically
Calibrating Manually

**Parent topic:** Using the Interactive Pens

**Calibrating Automatically**

You do not need the pens or a computer for Auto Calibration.

**Note:** You can start Auto Calibration by pressing the **User** button on the remote control or by pressing the **Menu** button on the remote control as described here.

1. Press the **Menu** button, select the **Extended** menu, and press **Enter**.
2. Select the **Easy Interactive Function** setting and press **Enter**.

3. Select **Auto Calibration** and press **Enter**.
This screen appears:

4. Adjust the image focus, if necessary.
5. Press Enter to select Yes.
   A pattern appears then disappears, and the system is calibrated. If you see a message that calibration failed, you need to calibrate manually.

The cursor location and pen position should match after calibration. If not, you may need to calibrate manually.

Parent topic: Pen Calibration

Related tasks
Calibrating Manually

Calibrating Manually
   If the cursor location and pen position do not match after auto calibration, you can calibrate manually.
1. Press the **Menu** button, select the **Extended** menu, and press **Enter**.

2. Select the **Easy Interactive Function** setting and press **Enter**.
3. Select **Manual Calibration** and press **Enter**.

![Image of menu options with highlighted Manual Calibration]

This screen appears:

![Image of calibration screen with instructions]

4. Adjust the image focus, if necessary.

5. Press **Enter** to select **Yes**.

   A flashing green circle appears in the upper left corner of your projected image.

6. Touch the center of the circle with the tip of the pen.
The circle disappears, and you see another circle below the first one.

**Note:** For the most accurate calibration, make sure you touch the center of the circle.

**Note:** Make sure you are not blocking the signal between the pen and the interactive receiver (next to the projection window on the projector).
7. Touch the center of the next circle, then repeat. When you get to the bottom of the column, the next circle appears at the top of a new column.

Note: If you make a mistake, press the Esc button on the remote control or control panel to go back to the previous circle. To restart the calibration process, press and hold the Esc button for 2 seconds.

8. Continue until all of the circles disappear.

Parent topic: Pen Calibration

Using Finger Touch Interactivity

You can use your finger to perform the same functions as the interactive pens when you install the Touch Unit.

Note: See the Touch Unit and Control Pad Installation Guide for detailed instructions on installing the Touch Unit and calibrating for finger touch interactivity.

Touch Unit Safety Instructions
Calibrating for Finger Touch Interactivity
Using Finger Touch Operations

Parent topic: Using the Interactive Features
Touch Unit Safety Instructions

The Touch Unit enables finger touch interactivity with your projector. Do not connect it to any other projectors or devices.

A built-in, high-power laser is emitted from the laser diffusion ports on the back of the Touch Unit.

Follow these precautions when using the Touch Unit and finger touch interactivity:

- Children using finger touch interactivity should always be accompanied by an adult.
- Never disassemble or modify the Touch Unit. Never open any cases on the projector or Touch Unit. Electrical voltages inside the projector can cause severe injury.
- Do not look into the laser diffusion ports on the back of the Touch Unit. The laser can damage your eyes. Extra care should be taken when children are present.
- Do not allow the laser light from the Touch Unit to pass through or be reflected by any optical devices, such as a magnifying glass or mirror. This could cause personal injury or fire.
- Do not view the laser light from the Touch Unit using an optical device such as an eye loupe, magnifying glass, or microscope, especially within 2.75 inches (70 mm) of the laser diffusion ports. This could damage your eyes.
- Unplug the projector from the electrical outlet and refer all repairs to qualified service personnel if any problems occur with the Touch Unit. Continued use of the Touch Unit may result in fire or accidents, and can also damage your eyes.
The Touch Unit is a Class 1 laser product that complies with IEC/EN60825-1:2007. The labels indicating the Class 1 laser product and warnings are located in the following areas on the Touch Unit:

Parent topic: Using Finger Touch Interactivity

Calibrating for Finger Touch Interactivity

Finger touch calibration coordinates the positioning of your finger with the location of the cursor.

Note: Make sure you have calibrated the pens, installed the Touch Unit, performed angle adjustment, and turned the Touch Unit on before calibrating for finger touch interactivity.
1. Press the **Menu** button, select the **Extended** menu, and press **Enter**.

2. Select the **Easy Interactive Function** setting and press **Enter**.
3. Select **Touch Unit Setup** and press **Enter**.

4. Select **Touch Calibration** and press **Enter**.
The following screen appears:

[Touch Calibration]

**Adjust the focus so that the characters are displayed clearly.**

Attention: Do not place hands or other obstacles on the screen during adjustment.
- Touch each mark shown on the screen with your finger.
- Keep touching the marks until they move.
- Continue until you have touched all of the marks up to the final mark at the bottom-right.

Calibration starts when preparations are complete.
Do you want to continue?

[Yes] [No]

**Note:** If Touch Calibration is disabled, make sure **Power** is set to **On**.

5. Adjust the image focus, if necessary.
6. Press **Enter** to select **Yes**.
   
   A flashing green circle appears in the upper left corner of your projected image.

7. Touch and hold the center of the circle with your finger until the circle disappears and another circle appears, then release it.
   
   The circle disappears, and you see another circle below the first one.
**Note:** For the most accurate calibration, make sure you touch the center of the circle with the tip of your finger.

Note: Make sure you are not blocking the signal between your finger and the interactive receiver (next to the projection window on the projector).

8. Touch the center of the next circle with your finger and continue until all of the circles disappear. When you get to the bottom of a column, the next circle appears at the top of a new column.

**Note:** If you make a mistake, press the **Esc** button on the remote control or control panel to go back to the previous circle. To restart the calibration process, press and hold the **Esc** button for 2 seconds.
9. If the cursor location and your finger position do not match, repeat these steps to calibrate again.

Parent topic: Using Finger Touch Interactivity
Related concepts
Pen Calibration

Using Finger Touch Operations
You can use your finger to interact with the projected screen, just as you would use an interactive pen. You can use either a pen or your finger, or use both at the same time.

When performing touch operations with your finger, you can use two fingers in built-in annotation mode and up to six fingers in built-in whiteboard mode.

1. Install the Touch Unit as described in the Touch Unit and Control Pad Installation Guide.
2. Turn on your projector. This automatically turns on the Touch Unit also.
   The blue light on the Touch Unit remains lit.

   ![Touch Unit with blue light on](image)

   **Note:** If the blue light does not turn on, press the **Menu** button on the remote control and make sure the **Extended > Easy Interactive Function > Touch Unit Setup > Power** setting is set to **On**.

3. Calibrate the pens.
4. Adjust the angle of the Touch Unit as described in the Touch Unit and Control Pad Installation Guide.
5. Calibrate for finger touch interactivity.
6. To write or draw on the projection surface in built-in annotation mode or built-in whiteboard mode, do the following:

• To select a projected item, such as an icon, tap the projection surface with your finger.
• To draw on the projected screen, tap the projection surface with your finger and drag it as necessary.

7. To use your finger as a mouse in PC Interactive mode, do the following:

• To left-click, tap the board with your finger.
• To double-click, tap twice with your finger.
• To right-click, press the board with your finger for about 3 seconds.
• To click and drag, press on and drag an item with your finger.
• To scroll, drag your finger on the screen.

8. If your operating system supports these functions, you can also do the following:

• To zoom in or out, touch an item using two fingers and either move your fingers away from each other (zoom in) or toward each other (zoom out).
• To rotate an image, touch the image with your fingers and rotate your hand.
• To drag up or down on a page, or move backward or forward in a browser window, use swiping gestures or flicks.

**Note**: Finger touch operations may not work correctly with long or artificial nails, or fingers wearing bandages. If your fingers are too close together or crossed, or your sleeve or free hand touches the screen, finger touch may not be recognized. Some operating systems may not support gestures.

**Parent topic:** Using Finger Touch Interactivity

**Related references**

*Projector Setup Settings - Extended Menu*

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**Using BrightLink with a Computer**

You can connect a computer to the projector and install the Easy Interactive Tools software from the website. You can then do the following:

• Use the pens or your finger as a mouse to control your computer
• Use the Easy Interactive Tools software to annotate with both pens or a combination of pen and finger touch at the same time

**Note**: See the online *Easy Interactive Tools Operation Guide* for detailed information.

• Save and print your annotations
• Use the Tablet PC input panel in Windows 10, Windows 8.x, Windows 7, or Windows Vista
• Use Ink Tools for annotation in Microsoft Office (2007 or later) applications

**Adjusting the Pen Operation Area**

If you connect a different computer or adjust the computer’s resolution, the pen operation area is adjusted automatically to match your mouse pointer position. If you notice that the pen position is incorrect when using PC Interactive mode, you can adjust the pen area manually.

**Note**: Manual adjustment is not available when projecting from a LAN source.
**Note:** To perform manual pen area adjustment, the computer must be connected to the projector's **USB-B** port.

1. Project your computer's desktop.
2. Press the **Menu** button, select the **Extended** menu, and press **Enter**.

3. Select the **Easy Interactive Function** setting and press **Enter**.
4. Set the **Pen Mode** setting to **PC Interactive**.

5. Select **Advanced** in the PC Interactive section and press **Enter**.

6. Make sure **Auto Adjust Pen Area** is set to **Off**, then select **Manual Adj. Pen Area** and press **Enter**.
You see this screen:

![Manual Adj. Pen Area]

Adjust the pen area to match the position of
the pen to the mouse pointer.
Do you want to continue?

7. Press **Enter** to select **Yes**.
   The mouse pointer moves toward the top left corner.
8. When the mouse pointer stops at the top left corner of the image, touch the tip of the pointer with the interactive pen.
   The mouse pointer moves toward the bottom right corner.
9. When the mouse pointer stops at the bottom right corner of the image, touch the tip of the pointer with the interactive pen.

**Parent topic:** Using BrightLink with a Computer

### Easy Interactive Tools

You can download the Easy Interactive Tools software for use with a computer. Easy Interactive Tools lets you use your interactive pen to draw, save, and interact with projected content from your computer.

These two modes are available:

- **Annotation (PC interactive) mode** displays the toolbar on the projected image and lets you use the pen or finger as a mouse to open applications, access links, and operate scroll bars, for example. You can also annotate over whatever is displayed from your computer (using both pens and up to six fingers at the same time).

- **Whiteboard mode** lets you project on one of 3 solid colors or 6 background patterns, and use the toolbar to write or draw on the background. You can also import images from your computer or a document camera. In full screen whiteboard mode, two people can use the pens at the same time. Finger touch is also available in whiteboard mode.

**Note:** For detailed instructions on using the Easy Interactive Tools software, see the online *Easy Interactive Tools Operation Guide* or the online help.
Windows Pen Input and Ink Tools

If you are using Windows 10, Windows 8.x, Windows 7, or Windows Vista, you can use the pen input and Ink tools to add input and annotations to your work. You can also use these features over a network when you set the interactive features to be available on your network. See the online Epson iProjection Operation Guide for instructions on setting up your computer for network projection.

Enabling Windows Pen Input and Ink Tools
Using Windows Pen Input and Ink Tools

Enabling Windows Pen Input and Ink Tools

To use the pen input and Ink tools in Windows 10, Windows 8.x, Windows 7, or Windows Vista, you need to adjust the pen operation mode in your projector’s menus.

1. Press the Menu button, select the Extended menu, and press Enter.
2. Select the **Easy Interactive Function** setting and press **Enter**.

3. Select **Pen Operation Mode** and press **Enter**.

4. Select **Windows/Mac Mode** and press **Enter**.

**Parent topic:** [Windows Pen Input and Ink Tools](#)
Using Windows Pen Input and Ink Tools

If you are using Windows 10, Windows 8.x, Windows 7, or Windows Vista, you can add handwritten input to your work and convert it to text.

If you have Microsoft Office 2007 or later, you can also use the Ink function to add handwritten notes to a Word document, Excel spreadsheet, or PowerPoint presentation.

Note: Option names for the annotation functions may vary depending on your version of Microsoft Office.

- To open the Touch Keyboard in Windows 10, right-click or tap-and-hold on the Taskbar, and select Show touch keyboard button. Select the keyboard icon on the screen.
- To open the Touch Keyboard in Windows 8.x, right-click or tap-and-hold on the Taskbar, and select Toolbars > Touch Keyboard. Select the keyboard icon on the screen and select the pen icon.
- To open the Tablet PC input panel in Windows 7 or Windows Vista, select > All Programs > Accessories > Tablet PC > Tablet PC Input Panel.

You can write in the box using the interactive pen or your finger, and select from a variety of options to edit and convert the text.

- To add Ink annotations in Microsoft Office applications, select the Review menu, and select Start Inking.

Note: In Microsoft Word or Excel, select the Insert tab and select Start Inking.
• To annotate your PowerPoint slides in Slideshow mode, press the button on the side of the interactive pen or press the projection surface with your finger for about 3 seconds, and select **Pointer Options > Pen** from the pop-up menu.

For more information about these features, see Windows Help.

**Parent topic:** Windows Pen Input and Ink Tools

---

**Using BrightLink Without a Computer**

You can use the pens or your finger to write or draw on the projection surface simultaneously without connecting a computer (PC Free annotation). This lets you annotate images from a document camera, iPad, DVD player, or other source.

These two modes are available:

• Built-in annotation mode displays the built-in toolbar on whatever image is being projected from a document camera, iPad, or other source.

• Built-in whiteboard mode lets you project a white or black screen or one of 4 background patterns, and use the toolbar to write or draw as you would on a chalkboard or dry erase board.

**Using the Built-in Annotation Mode**  
**Built-in Tools for Use Without a Computer**  
**Using the Built-in Whiteboard Mode**  
**Changing Pen Width and Color Using the Built-in Toolbar**  
**Projector Control Toolbar**  
**Selecting a Networked Device Source**

**Parent topic:** Using the Interactive Features

---

**Using the Built-in Annotation Mode**

You can use either pen with the built-in toolbar, both pens at the same time, your finger, or a combination of both pen and finger touch.

1. Select the source for the image you want to annotate. If you simply want to use a blank screen, select any unused source.

2. To activate the toolbar, tap the projection surface with the pen or your finger.

You see arrow icons on the left and right side of the projected image.
Note: The toolbar arrows disappear if you do not use them. To make them reappear, tap the projection surface with the pen or your finger.

3. To display the toolbar, select one of the arrows.

Note: You can use the pen or your finger to move the arrows up or down.

4. To close the toolbar, select the icon at the bottom of the toolbar.

Note: If you want to hide the toolbar automatically after drawing, select the icon at the bottom of the toolbar.

Parent topic: Using BrightLink Without a Computer

**Built-in Tools for Use Without a Computer**

The built-in toolbar is embedded in the projector and allows you to draw and write on the projected screen.
In the following illustration, the annotation mode tools are shown on the left, and the whiteboard mode tools on the right:
<table>
<thead>
<tr>
<th>Action</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undo the last annotation</td>
<td>undo the last undo</td>
</tr>
<tr>
<td>Redo the last undo</td>
<td>redo the last undo</td>
</tr>
<tr>
<td>Switch to the computer interactive mode</td>
<td>switch to the computer interactive mode</td>
</tr>
<tr>
<td>Select a white or black background or one of 4 patterns (whiteboard mode only)</td>
<td>select a white or black background or one of 4 patterns (whiteboard mode only)</td>
</tr>
<tr>
<td>Change custom pen or highlighter color and width</td>
<td>change custom pen or highlighter color and width</td>
</tr>
<tr>
<td>Write or draw free-form lines with custom pen</td>
<td>write or draw free-form lines with custom pen</td>
</tr>
<tr>
<td>Write or draw free-form lines with transparent highlighter pen</td>
<td>write or draw free-form lines with transparent highlighter pen</td>
</tr>
<tr>
<td>Black pen (fine point on left, thick on right)</td>
<td>black pen (fine point on left, thick on right)</td>
</tr>
<tr>
<td>Red pen (fine point on left, thick on right)</td>
<td>red pen (fine point on left, thick on right)</td>
</tr>
</tbody>
</table>
## Using the Built-in Whiteboard Mode

In built-in whiteboard mode, you can project a solid or patterned background, and then write or draw on it as you would on a chalkboard or dry erase board.

1. Select the Whiteboard tool on the built-in toolbar.  
   You see a white background.

2. If you want to change the background, do the following:
   - Select the Background tool.

### Table of Built-in Whiteboard Tools

<table>
<thead>
<tr>
<th>Tool</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Blue pen" /></td>
<td>Blue pen (fine point on left, thick on right)</td>
</tr>
<tr>
<td><img src="image" alt="Eraser" /></td>
<td>Eraser (thin width on left, thick on right)</td>
</tr>
<tr>
<td><img src="image" alt="Clear all annotations" /></td>
<td>Clear all annotations</td>
</tr>
</tbody>
</table>
| ![Hides or displays the toolbar after each annotation](image) | Hides or displays the toolbar after each annotation  
  - ![Hides the toolbar](image)  
  - ![Displays the toolbar](image) |
| ![Close the toolbar](image) | Close the toolbar |
| ![Displays the tool you are using with your pen or finger](image) | Displays the tool you are using with your pen or finger |

**Parent topic:** Using BrightLink Without a Computer
• Select a black background or one of 4 different patterns.
• Select the right arrow icon to close the selection window.

3. Do one of the following to write or draw on the background.
• To write, select one of the Pen tools.
• To highlight, select the Highlighter tool.

4. Do one of the following to clear all or part of the screen,
• To erase, select the Eraser tool.
• To clear the whole screen, select the Clear all tool.

Parent topic: Using BrightLink Without a Computer

Changing Pen Width and Color Using the Built-in Toolbar

When you use the custom pen or highlighter tools, you can select different colors and line widths. You can also select the Black, Red, or Blue pen on the toolbar, and select the small circle on the left of the pen for a thin line, or the large circle on the right for a thick line.

Note: When multiple users draw on the projected screen using multiple pens, you can select different colors and line widths for each pen. When using finger touch operations, all users share the same color and line width.

1. Select the arrow next to the custom Pen or Highlighter pen on the toolbar.
2. Select the color and line width you want.
3. Select the right arrow icon to close the selection window.

Parent topic: Using BrightLink Without a Computer

Projector Control Toolbar

The projector control toolbar lets you control the projector with your pen or finger from the projected screen just as you would using the remote control.
<table>
<thead>
<tr>
<th>Icon</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Home Icon" /></td>
<td>Displays the Home screen.</td>
</tr>
</tbody>
</table>
| ![Print Icon](image) | Prints the projected image  
**Note:** You cannot print content that is protected by HDCP. |
| ![Save Icon](image) | Saves the projected image to a connected USB storage device  
**Note:** You cannot save content that is protected by HDCP. |
| ![Share Icon](image) | Shares the projected image using Epson iProjection (Windows/Mac)  
**Note:** You cannot share content that is protected by HDCP. |
<p>| <img src="image" alt="List Icon" /> | Changes the image source using a displayed list. |
| <img src="image" alt="Zoom Icon" /> | Zooms into and out of the image |
| <img src="image" alt="Power Icon" /> | Turns off the picture and sound |
| <img src="image" alt="Pause Icon" /> | Pauses video action |
| <img src="image" alt="Volume Icon" /> | Increases or decreases the volume |</p>
<table>
<thead>
<tr>
<th></th>
<th>Projects two images from different image sources</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Sets the timer</td>
</tr>
<tr>
<td></td>
<td>Displays the document camera control toolbar. (Not all settings may be available depending on your document camera model and connection type.)</td>
</tr>
<tr>
<td>![AF]</td>
<td>Automatically focus the document camera image; make sure you enable this setting before you zoom into or out of the document camera image</td>
</tr>
<tr>
<td>![II]</td>
<td>Pause video action</td>
</tr>
<tr>
<td>![🔍]</td>
<td>Zoom into or out of the image</td>
</tr>
<tr>
<td>![旋转]</td>
<td>Rotate the image 180 degrees</td>
</tr>
<tr>
<td>![捕获]</td>
<td>Capture the image</td>
</tr>
<tr>
<td>![开始]</td>
<td>Start or stop video recording</td>
</tr>
<tr>
<td>![播放]</td>
<td>Play recorded video</td>
</tr>
<tr>
<td>![关闭]</td>
<td>Close the document camera control toolbar</td>
</tr>
<tr>
<td></td>
<td>Turns off the projector.</td>
</tr>
<tr>
<td></td>
<td>Closes the projector control toolbar</td>
</tr>
</tbody>
</table>

**Parent topic:** Using BrightLink Without a Computer
Selecting a Networked Device Source

You can project an image from up to 50 devices connected to the projector via a network. You can select the image source from computers running Epson iProjection (Windows/Mac) and smartphones or tablets running the Epson iProjection app.

1. Select the Source Select icon on the projector control toolbar.
   
   You see an image source list:

   ![Image Source List]

   2. Select Participant List.
You see a list of available devices. The icon next to a user name indicates the currently selected source.

3. Select the user name for the device from which you want to project.

   **Note:** Select **Refresh** to update the user list.

4. Select **Return**.

   You see the screen image from the selected device.

While the user selection screen is displayed, you cannot do the following:

- Select a different image source
- Use other interactive features
- Control the projector from the bottom toolbar
- Connect to multiple projectors
- Hear sound from the projector
- Project an image using Epson iProjection (Windows/Mac)

**Note:** You cannot access the **Participant List** screen when connecting to multiple projectors by using Epson iProjection (Windows/Mac) and projecting the same image (mirroring).
Splitting the Interactive Screen

You can split the screen and project from two sources at the same time. You can annotate and interact with both sources.

Note: If you make adjustments such as Brightness, Contrast, Color Saturation, Tint, Sharpness, Noise Reduction, and Deinterlacing, they are only applied to the image on the left. Default adjustments are made to the image on the right.

1. Press the Split button on the remote control and select the Split tool on the bottom toolbar, or select the Split tool directly.

Note: If you press the Split button, the current image is reduced and appears on the left side of the projection surface.

You see a screen like this:
2. Select the two sources you want to display, keeping the following in mind:
   - Not all combinations of sources are valid.
   - If you want to write on a blank screen, select any unused source.
   - Unused sources display the color selected in the Display Background setting.
   - The Logo option will display a blue background.
3. Press the **Switch Source** button to display the two sources.
4. Do any of the following as necessary:
   - To change to a different source at any time, press the **Menu** button on the remote control and select **Source**, or select the **Split** icon on the projector control toolbar.
   - To annotate on the right screen, press the **Menu** button on the remote control, select **Target Pen Mode**, and select **Screen Right**. Set the **Pen Mode** setting to **PC Free Annotation**.
   - To use PC interactive mode on the right screen, press the **Menu** button on the remote control, select **Target Pen Mode**, and select **Screen Right**. Set the **Pen Mode** setting to **PC Interactive**.

   **Note:** If you select Video, USB1, or USB2 as a source, you cannot use PC interactive mode.
   - To reverse the left and right images, press the **Menu** button on the remote control and select **Swap Screens**.
   - To make one image larger, press the **Menu** button on the remote control, select **Screen Size**, and select **Larger Left** or **Larger Right**.
   - To align the images with the top of the screen, press the **Menu** button on the remote control, select **Align**, and select **Top**.
   - To outline the drawing area, press the **Menu** button, select **Display Drawing Area**, and select **On**.
5. To return to displaying one image, press the **Split** or **Esc** button on the remote control, or press the **Split Screen** icon on the bottom toolbar and select **Exit Split Screen**.

You cannot perform the following operations during split screen projection:
- Menu settings
- E-Zoom
- Switching aspect mode
- **User** button operations
Selecting Interactive Split Screen Settings

You can select split screen projection settings using the projector control toolbar.

1. Select the \[ \text{Split} \] icon on the projector control toolbar.
2. Select the input sources for the left and right screen.
3. Select \textit{Switch Source}.
4. Select the \[ \text{Split} \] icon on the projector control toolbar again.
5. Select the \[ \text{\textbullet} \] tab.
You see a screen like this:

![Interactive Screen Settings](image)

6. Do any of the following as necessary:
   - To make one image larger than the other, select a **Screen Size** setting.
   - To use the interactive pen as a mouse with a computer source, select a **Target Pen Mode** setting.
   - To select the audio from either screen, select an **Audio Source** setting. Select **Auto** to hear audio from the left screen or larger screen.

7. Select the **X** icon to exit the settings screen.

**Parent topic:** Splitting the Interactive Screen

### Using Interactive Features with Two Projectors (DuoLink)

You can use your projector's interactive features while projecting with two projectors installed side by side. To get started, download and install the software from the website.
See the installation guide that came with your projector mount for instructions on installing multiple projectors and selecting settings for interactive features. See the online DuoLink Setup Guide for additional information.

**Note:** You may not be able to write and draw across the border of the images.

**Temporarily Using Interactive Features on One Projector**

**Parent topic:** Using the Interactive Features

**Temporarily Using Interactive Features on One Projector**

When you use the interactive features on an image projected by two side-by-side projectors, you can temporarily limit the interactive features to one of the projectors.

1. Press the **Home** button on the remote control or projector or the **** icon on the projector control toolbar.
   
   You see a screen like this:

   ![Image of Home button screen]

   2. Press the **** icon.
You see a screen like this:

![Easy Interactive Function](image)

3. Set the **Use this single projector** setting to **On**.
   You can now use the interactive features on the current projector only. When the projector turns off, the **Use this single projector** setting returns to **Off**.

**Parent topic:** Using Interactive Features with Two Projectors (DuoLink)
Adjusting the Menu Settings

Follow the instructions in these sections to access the projector menu system and change projector settings.

Using the Projector's Menus

- Image Quality Settings - Image Menu
- Input Signal Settings - Signal Menu
- Projector Feature Settings - Settings Menu
- Projector Setup Settings - Extended Menu
- Projector Network Settings - Network Menu
- Projector Setup Settings - ECO Menu
- Projector Information Display - Info Menu
- Projector Reset Options - Reset Menu

Using the Projector's Menus

You can use the projector's menus to adjust the settings that control how your projector works. The projector displays the menus on the screen.

1. Press the **Menu** button on the control panel or remote control.
You see the menu screen displaying the Image menu settings.

2. Press the up or down arrow button to move through the menus listed on the left. The settings for each menu are displayed on the right.

   **Note:** The available settings depend on the current input source.

3. To change settings in the displayed menu, press **Enter**.
4. Press the up or down arrow button to move through the settings.
5. Change the settings using the buttons listed on the bottom of the menu screens.
6. To return all the menu settings to their default values, select **Reset**.
7. When you finish changing settings on a menu, press **Esc**.
8. Press **Menu** or **Esc** to exit the menus.

**Parent topic:** Adjusting the Menu Settings
Image Quality Settings - Image Menu

Settings on the Image menu let you adjust the quality of your image for the input source you are currently using. The available settings depend on the currently selected input source.

To change settings for an input source, make sure the source is connected and select that source.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color Mode</td>
<td>See the list of available Color Modes</td>
<td>Adjusts the vividness of image colors for various image types and environments</td>
</tr>
<tr>
<td>Brightness</td>
<td>Varying levels available</td>
<td>Lightens or darkens the overall image</td>
</tr>
<tr>
<td>Contrast</td>
<td>Varying levels available</td>
<td>Adjusts the difference between light and dark areas of the image</td>
</tr>
<tr>
<td>Color Saturation</td>
<td>Varying levels available</td>
<td>Adjusts the intensity of the image colors</td>
</tr>
<tr>
<td>Tint</td>
<td>Varying levels available</td>
<td>Adjusts the balance of green to magenta tones in the image</td>
</tr>
<tr>
<td>Sharpness</td>
<td>Varying levels available</td>
<td>Adjusts the sharpness or softness of image details</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------</td>
<td>---------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>White Balance</td>
<td>Color Temp.</td>
<td>Sets the overall color tone of the image</td>
</tr>
<tr>
<td></td>
<td>G-M Correction</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Customized</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Color Temp.</strong>: sets the color temperature according to the selected color mode; lower values tint the image red, and higher values tint the image blue</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>G-M Correction</strong>: makes fine adjustments to the color tone; higher values tint the image green and lower values tint the image red</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Customized</strong>: adjusts the individual RGB components of the offset and gain</td>
</tr>
<tr>
<td>Image Enhancement</td>
<td>Noise Reduction</td>
<td>Reduces flickering in analog images</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>------------------</td>
<td>--------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| Advanced         | Gamma, RGBCMY, Deinterlacing | **Gamma**: adjusts the colors by selecting one of the gamma correction values, referring to the projected image, or a gamma graph  
**RGBCMY**: adjusts the hue, saturation, and brightness for each color  
**Deinterlacing**: sets whether to convert interlaced-to-progressive signals for certain video image types  
  - **Off**: for fast-moving video images  
  - **Video**: for most video images  
  - **Film/Auto**: for movies, computer graphics, and animation |
| Dynamic Contrast | Off, Normal, High Speed | Adjusts the projected luminance based on the image brightness when certain Color Modes are selected |

**Note**: The **Brightness** setting does not affect laser brightness. To change the laser brightness mode, use the **Brightness Settings** setting in the Eco menu.

**Parent topic**: Adjusting the Menu Settings
Input Signal Settings - Signal Menu

Normally the projector detects and optimizes the input signal settings automatically. If you need to customize the settings, you can use the Signal menu. The available settings depend on the currently selected input source.

Note: You can restore the default settings of the Position, Tracking, and Sync settings by pressing the Auto button on the remote control.

To change settings for an input source, make sure the source is connected and select that source.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>Auto</td>
<td>Sets the input signal resolution if not detected automatically using the Auto option</td>
</tr>
<tr>
<td></td>
<td>Wide</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Normal</td>
<td></td>
</tr>
<tr>
<td>Aspect</td>
<td>See the list of available aspect ratios</td>
<td>Sets the aspect ratio (width-to-height ratio) for the selected input source</td>
</tr>
<tr>
<td>Tracking</td>
<td>Varying levels available</td>
<td>Adjusts signal to eliminate vertical stripes in computer images</td>
</tr>
<tr>
<td>Sync.</td>
<td>Varying levels available</td>
<td>Adjusts signal to eliminate fuzziness or flickering in computer images</td>
</tr>
<tr>
<td>Position</td>
<td>Up, down, left, right</td>
<td>Adjusts the image location on the screen</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>---------------</td>
<td>---------</td>
<td>-------------</td>
</tr>
</tbody>
</table>
| Auto Setup    | On      | On: automatically optimizes computer image quality  
               | Off     | Off: disables auto setup          |
| Overscan      | Auto    | Automatically adjusts the projected image ratio  
               | Off     | Off: disables overscan adjustment  
               | 4%      | 4%: adjusts overscan by 4%  
               | 8%      | 8%: adjusts overscan by 8%          |

| Advanced       | HDMI Video Range | HDMI Video Range: sets the video range to match the setting of the device connected to the HDMI input port  
                  | Input Signal |     
                  | Video Signal |     |
|----------------|------------------|-------------|

**HDMI Video Range:** sets the video range to match the setting of the device connected to the HDMI input port

- **Auto:** detects the video range automatically
- **Normal:** normally for images from a device other than a computer; select if the black areas of the image are too bright
- **Expanded:** normally for images from a computer; select if the image is too dark

**Input Signal:** specifies the signal type from input sources connected to computer ports

- **Auto:** detects signals automatically
- **RGB:** corrects color for computer/RGB video inputs
- **Component:** corrects color for component video inputs

**Video Signal:** specifies the signal type from input sources connected to video ports; select **Auto** to automatically detect the signal

Parent topic: Adjusting the Menu Settings
Projector Feature Settings - Settings Menu

Options on the Settings menu let you customize various projector features.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geometry Correction</td>
<td>H/V Keystone, Quick Corner, Arc</td>
<td>Adjusts image shape to rectangular (horizontally and vertically)</td>
</tr>
<tr>
<td></td>
<td>Correction</td>
<td><strong>H/V Keystone</strong>: lets you manually correct horizontal and vertical sides</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Quick Corner</strong>: select to correct image shape and alignment using an on-screen display</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Arc Correction</strong>: select to adjust the curve or arc of the horizontal and vertical sides and load and save settings</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Split Screen</td>
<td>—</td>
<td>Divides the viewing area horizontally and displays two images side-by-side; while in Split Screen mode, press <strong>Menu</strong> to display the Split Screen options or <strong>Esc</strong> to cancel split screen display</td>
</tr>
<tr>
<td>Zoom</td>
<td>Varying levels available</td>
<td>Adjusts the size of the projected image</td>
</tr>
<tr>
<td>Image Shift</td>
<td>Varying positions available</td>
<td>Adjusts the position of the projected image</td>
</tr>
<tr>
<td>Volume</td>
<td>Varying levels available</td>
<td>Adjusts the volume of projector's speaker system or external speakers</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>------------------</td>
<td>------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>HDMI Link</td>
<td>Device Connections</td>
<td>Adjusts the HDMI Link options that allow the projector remote to control HDMI-connected devices that support the CEC standard</td>
</tr>
<tr>
<td></td>
<td>HDMI Link</td>
<td><strong>Device Connections</strong>: lists the devices connected to the HDMI 1/MHL, HDMI 2, and HDMI 3 ports</td>
</tr>
<tr>
<td></td>
<td>Audio Out Device</td>
<td><strong>HDMI Link</strong>: enables or disables the HDMI Link feature</td>
</tr>
<tr>
<td></td>
<td>Power On Link</td>
<td><strong>Audio Out Device</strong>: selects whether to output audio from the internal speakers or a connected audio/video system</td>
</tr>
<tr>
<td></td>
<td>Power Off Link</td>
<td><strong>Power On Link</strong>: controls what happens when you turn on the projector or a linked device</td>
</tr>
<tr>
<td></td>
<td>Link Buffer</td>
<td><strong>Power Off Link</strong>: controls whether linked devices are turned off when the projector is turned off</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Link Buffer</strong>: improves the performance of operations when the HDMI Link feature is not working correctly</td>
</tr>
<tr>
<td>Lock Setting</td>
<td>Control Panel Lock</td>
<td>Controls projector button locking to secure the projector</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Full Lock</strong>: locks all buttons</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Partial Lock</strong>: locks all buttons except the power button</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Off</strong>: no buttons locked</td>
</tr>
<tr>
<td>Pointer Shape</td>
<td>Three shapes available</td>
<td>Changes the shape of the remote control pointer feature</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mic Input Level</td>
<td>—</td>
<td>Adjusts the volume of projector’s speaker system when a microphone is connected</td>
</tr>
<tr>
<td>Remote Receiver</td>
<td>Front/Rear, Front, Rear, Off</td>
<td>Limits reception of remote control signals by the selected receiver; <strong>Off</strong> turns off all receivers</td>
</tr>
<tr>
<td>User Button</td>
<td>Light Source Mode, Info, Deinterlacing, Closed Caption, Resolution, Mic Input Level, Pattern Display, Auto Calibration, Display the QR Code, Installation Guide</td>
<td>Assigns a menu option to the <strong>User</strong> button on the remote control for one-touch access</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------</td>
<td>--------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Pattern</td>
<td>Pattern Display</td>
<td>Selects various pattern display options</td>
</tr>
<tr>
<td></td>
<td>Pattern Type</td>
<td><strong>Pattern Display</strong>: lets you display the selected pattern type on the screen to aid in presentation</td>
</tr>
<tr>
<td></td>
<td>User Pattern</td>
<td><strong>Pattern Type</strong>: selects the type of grid or line pattern to display</td>
</tr>
<tr>
<td></td>
<td>Test Pattern</td>
<td><strong>User Pattern</strong>: captures a projected screen and saves it as a pattern for display</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Test Pattern</strong>: displays a test pattern to assist in focusing and zooming the image and correcting image shape</td>
</tr>
<tr>
<td>Installation Guide</td>
<td>—</td>
<td>Displays an on-screen guide with instructions for installing and positioning the projector.</td>
</tr>
</tbody>
</table>

Parent topic: Adjusting the Menu Settings
## Projector Setup Settings - Extended Menu

Settings on the Extended menu let you customize various projector setup features that control its operation.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Easy Interactive Function</td>
<td>—</td>
<td>See the Easy Interactive Function settings table in this topic</td>
</tr>
<tr>
<td>Home Screen</td>
<td>Home Screen Auto Disp.</td>
<td>Adjusts settings on the Home Screen</td>
</tr>
<tr>
<td></td>
<td>Custom Function 1</td>
<td>Home Screen Auto Disp.: controls whether the Home screen displays automatically when the projector is turned on</td>
</tr>
<tr>
<td></td>
<td>Custom Function 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Custom Function 1 and Custom Function 2: let you customize the options displayed on the Home screen and save your settings as a preset</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------</td>
<td>------------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Display</td>
<td>Messages</td>
<td>Selects various display options</td>
</tr>
<tr>
<td></td>
<td>Display Background</td>
<td>Messages: controls whether messages are displayed on the screen</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Display Background: selects the screen color or logo to display when no signal is received</td>
</tr>
<tr>
<td></td>
<td>Startup Screen</td>
<td>Startup Screen: controls whether a special screen appears when the projector starts up</td>
</tr>
<tr>
<td></td>
<td>Color Uniformity</td>
<td>Color Uniformity: adjusts the color tone balance</td>
</tr>
<tr>
<td></td>
<td>Toolbars</td>
<td>Toolbars: controls whether the drawing toolbar is always displayed when in annotation mode</td>
</tr>
<tr>
<td></td>
<td>Pen Mode Icon</td>
<td>Pen Mode Icon: controls the display of the pen icon on the screen</td>
</tr>
<tr>
<td></td>
<td>Projector Control</td>
<td>Projector Control: controls where the projector control toolbar is displayed on the screen</td>
</tr>
<tr>
<td>Closed Caption</td>
<td>Off</td>
<td>Controls use of closed captions and selects the closed caption type (closed captions are only visible for NTSC signals connected through the Video port)</td>
</tr>
<tr>
<td></td>
<td>CC1, CC2</td>
<td></td>
</tr>
<tr>
<td>User's Logo</td>
<td>—</td>
<td>Creates a screen that the projector displays to identify itself and enhance security</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>------------------------------</td>
<td>---------------------------------------------------------------</td>
</tr>
<tr>
<td>Projection</td>
<td>Front</td>
<td>Selects the way the projector faces the screen so the image is oriented correctly</td>
</tr>
<tr>
<td></td>
<td>Front/Upside Down</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rear</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rear Upside Down</td>
<td></td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>-------------</td>
<td>----------------------------------------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Operation</td>
<td>Direct Power On</td>
<td>Selects various operation options</td>
</tr>
<tr>
<td></td>
<td>High Altitude Mode</td>
<td><strong>Direct Power On</strong>: lets you turn on the projector without pressing the power button</td>
</tr>
<tr>
<td></td>
<td>Auto Source Search</td>
<td><strong>High Altitude Mode</strong>: regulates the projector’s operating temperature at altitudes above 4921 feet (1500 m)</td>
</tr>
<tr>
<td></td>
<td>Auto Power On</td>
<td><strong>Auto Source Search</strong>: automatically detects the image signal that is input when the projector is turned on</td>
</tr>
<tr>
<td></td>
<td>Quick Startup</td>
<td><strong>Auto Power On</strong>: automatically turns on the projector when it detects an input signal from the selected port</td>
</tr>
<tr>
<td></td>
<td>Connect ELPCB02</td>
<td><strong>Quick Startup</strong>: lets you start projecting about five seconds after pressing the power button (set A/V Output to While Projecting first)</td>
</tr>
<tr>
<td></td>
<td>Date &amp; Time</td>
<td><strong>Connect ELPCB02</strong>: allows you to switch between the HDMI2 and HDMI3 sources when you press the HDMI2 button on the optional PowerLite Pilot 2 control box</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Date &amp; Time</strong>: adjusts the projector's date and time settings</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• <strong>Daylight Savings Time</strong>: enables daylight savings time</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• <strong>Internet Time</strong>: updates the time automatically via an online time server</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A/V Settings</td>
<td>A/V Output &lt;br&gt;Audio Output &lt;br&gt;HDMI1 Audio Output &lt;br&gt;HDMI2 Audio Output &lt;br&gt;HDMI3 Audio Output</td>
<td>Selects the following when the projector is in standby mode (turned off): &lt;br&gt;<strong>A/V Output</strong>: the Always On setting lets the projector output audio and video signals even while it is standby mode; only available when <strong>Standby Mode</strong> is set to Communication On &lt;br&gt;<strong>Audio Output</strong>: selects the audio input port when projecting images from non-HDMI ports &lt;br&gt;<strong>HDMI1 Audio Output</strong>, <strong>HDMI2 Audio Output</strong>, and <strong>HDMI3 Audio Output</strong>: select which Audio port provides audio when viewing images from the <strong>HDMI1</strong>, <strong>HDMI2</strong>, or <strong>HDMI3</strong> ports</td>
</tr>
<tr>
<td>USB Type B</td>
<td>Easy Interactive Function &lt;br&gt;USB Display/Easy Interactive Function &lt;br&gt;Wireless Mouse/USB Display</td>
<td>Selects what happens when you connect your computer to the projector's <strong>USB-B</strong> port &lt;br&gt;<strong>Easy Interactive Function</strong>: lets you use the interactive pens or your finger with your computer &lt;br&gt;<strong>USB Display/Easy Interactive Function</strong>: lets you display your computer's image through the USB port and use the interactive pens or your finger with your computer &lt;br&gt;<strong>Wireless Mouse/USB Display</strong>: lets you use the wireless mouse feature and display your computer's image through the USB port (interactivity not available)</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------</td>
<td>----------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| Multi-Projection   | Multi-Projection, Projector ID, Color Mode, Color Uniformity, Brightness Settings, Color Matching, RGBCMY, Reset | Selects the following when you use multiple projectors:  
Multi-Projection: matches the display settings of multiple projectors  
Projector ID: assigns an ID for the projector when you use multiple projectors  
Color Mode: adjusts the vividness of image colors for various image types and environments  
Color Uniformity: adjusts the color tone balance  
Brightness Settings: selects the brightness mode of the projector  
Color Matching: corrects the difference in tint and brightness for each projected image  
RGBCMY: adjusts the hue, saturation, and brightness for each color  
Reset: resets all of the Multi-Projection settings to their default values |
| Language           | Various languages available            | Selects the language for projector menu and message displays (not changed by Reset option)                                                |
### Easy Interactive Function Settings

<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>Easy Interactive Function settings</td>
<td></td>
</tr>
<tr>
<td>Auto Calibration</td>
<td>—</td>
<td>Start calibration for the interactive pens</td>
</tr>
<tr>
<td>Manual Calibration</td>
<td>—</td>
<td>Select settings for the Touch Unit</td>
</tr>
<tr>
<td>Touch Unit Setup</td>
<td>Installation Pattern</td>
<td>Select settings for the Touch Unit</td>
</tr>
<tr>
<td></td>
<td>Power</td>
<td>Select settings for the Touch Unit</td>
</tr>
<tr>
<td></td>
<td>Angle Adjustment</td>
<td>Select settings for the Touch Unit</td>
</tr>
<tr>
<td></td>
<td>Touch Calibration</td>
<td>Select settings for the Touch Unit</td>
</tr>
<tr>
<td></td>
<td>PC Free Annot...</td>
<td>Select settings for the Touch Unit</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td>Select settings for the Touch Unit</td>
</tr>
<tr>
<td></td>
<td>Enable Right Click</td>
<td>Select settings for the Touch Unit</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td>Select settings for the Touch Unit</td>
</tr>
<tr>
<td></td>
<td>Advanced</td>
<td>Select settings for the Touch Unit</td>
</tr>
</tbody>
</table>

*Installation Pattern*: displays reference points to help you determine the installation position of the Touch Unit.

*Power*: turns on the Touch Unit power.

*Angle Adjustment*: performs angle adjustment for laser diffusion.

*Touch Calibration*: performs calibration for finger touch operations.
<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
</table>
| Pen Mode   | PC Free Annotation<br>PC Interactive | Selects the mode for the interactive pens  
**PC Free Annotation**: draws on the projected screen without software or PC required  
**PC Interactive**: operates a mouse or interactive device from the projected screen using the interactive pen or your finger |
<p>| Hovering   | On&lt;br&gt;Off        | Turns the pen hovering feature on and off; when set to On, the pointer follows the pen tip as you hover it over the screen and move it around |</p>
<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced</td>
<td>Distance of Projectors, Sync of Projectors, Multi-Projection, Wired Sync Mode, Preset Pen Thickness, Eraser Size, Color Palette, Pen Button Function, Default Touch Action, Confirm Clear Screen</td>
<td>Selects various settings for interactive features. Distance of Projectors, Sync of Projectors, Multi-Projection, and Wired Sync Mode: let you adjust features for using multiple projectors of the same model in the same room. Preset Pen Thickness: lets you select the default pen thickness when using the drawing tools. Eraser Size: lets you select the default eraser size when selecting the eraser tool. Color Palette: lets you choose a different palette if certain colors are difficult to see. Pen Button Function: selects the function of the button on the interactive pen in annotation mode. Default Touch Action: selects the default action when performing touch operations in annotation mode. Confirm Clear Screen: lets you display a confirmation screen before clearing all of the content.</td>
</tr>
<tr>
<td>PC Interactive</td>
<td>Easy Interactive Function settings</td>
<td></td>
</tr>
<tr>
<td>Pen Operation Mode</td>
<td>Windows/Mac Mode, Ubuntu mode</td>
<td>Sets the correct operating system for the interactive pen features.</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------</td>
<td>--------------------------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Enable Right Click</td>
<td>On</td>
<td>Lets you use a long pen press or finger press as a right-click operation when using mouse mode</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td></td>
</tr>
<tr>
<td>Advanced</td>
<td>Pen Tip Button</td>
<td>Select pen operation and adjustment options</td>
</tr>
<tr>
<td></td>
<td>Auto Adjust Pen Area</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Manual Adj. Pen Area</td>
<td></td>
</tr>
</tbody>
</table>

**Note**: You cannot reset the following settings using the **Reset** option in the **Extended** menu:

- Easy Interactive Function
- Color Uniformity
- User's Logo
- Projection
- High Altitude Mode
- Connect ELPDC02
- Date & Time
- A/V Output
- USB Type B
- Projector ID
- Color Mode
- Color Matching
- Language

Parent topic: Adjusting the Menu Settings
Projector Network Settings - Network Menu

Settings on the Network menu let you view network information and set up the projector for monitoring and control over a network.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wireless LAN Power</td>
<td>On, Off</td>
<td>Enables or disables wireless communication</td>
</tr>
<tr>
<td>Net. Info - Wireless LAN</td>
<td>Connection mode</td>
<td>Displays wireless network status and details</td>
</tr>
<tr>
<td></td>
<td>Wireless LAN Sys.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Antenna level</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Projector Name</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SSID</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DHCP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IP Address</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Subnet Mask</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gateway Address</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MAC Address</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Region Code</td>
<td></td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------</td>
<td>--------------------------------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td>Net. Info - Wired LAN</td>
<td>Projector Name, DHCP, IP Address, Subnet Mask, Gateway Address, MAC Address</td>
<td>Displays wired network status and details</td>
</tr>
<tr>
<td>Display the QR Code</td>
<td>—</td>
<td>Displays the QR code for quick connection to a mobile device</td>
</tr>
<tr>
<td>Printer Settings</td>
<td>IP Address, Quality, Paper Size</td>
<td>Configures the settings for the printer connections</td>
</tr>
<tr>
<td>Network Configuration</td>
<td>Accesses additional network menus</td>
<td>Configures your network settings</td>
</tr>
</tbody>
</table>

Parent topic: Adjusting the Menu Settings

**Projector Setup Settings - ECO Menu**

Settings on the ECO menu let you customize projector functions to save power. When you select a power-saving setting, a leaf icon appears next to the menu item.
<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brightness Settings</td>
<td>Light Source Mode</td>
<td>Selects the brightness mode of the projector laser</td>
</tr>
<tr>
<td></td>
<td>Brightness Level</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Constant Brightness</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Estimated Remains</td>
<td></td>
</tr>
<tr>
<td>Sleep Mode</td>
<td>On</td>
<td>Automatically places the projector in standby mode after an interval of inactivity</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td></td>
</tr>
<tr>
<td>Sleep Mode Timer</td>
<td>1 to 30 minutes</td>
<td>Sets the interval for Sleep Mode</td>
</tr>
<tr>
<td>A/V Mute Timer</td>
<td>On</td>
<td>Automatically turns off the projector after 30 minutes if A/V Mute is enabled</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td></td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>------------------</td>
<td>------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Standby Mode</td>
<td>Standby Mode</td>
<td><strong>Communication On</strong>: indicates that the projector can be monitored and controlled over a network when the projector is in standby mode; enable this setting to allow the following operations to occur when the projector is in standby mode: • Monitor and control the projector over a network • Output audio and video to an external device (A/V Output must be set to <em>Always On</em>) <strong>Port</strong>: selects the <em>Wired LAN</em> or <em>Wireless LAN</em> port to use while the <em>Standby Mode</em> setting is set to <em>Communication On</em></td>
</tr>
<tr>
<td></td>
<td>Port</td>
<td></td>
</tr>
<tr>
<td>ECO Display</td>
<td>On</td>
<td>Displays a leaf icon in the bottom left corner of the projected screen to indicate the power-saving status when the laser brightness changes</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td></td>
</tr>
</tbody>
</table>

**Note**: The *Light Source Mode* setting is disabled if you turn on the *Multi-Projection* setting in the Extended menu.

**Parent topic**: Adjusting the Menu Settings
**Projector Information Display - Info Menu**

You can display information about the projector and input sources by viewing the Info menu. However, you cannot change any settings in the menu.

- **Select Version** to display the projector's firmware version. Select **Light Source Info** to display the projector's light source information. Select **Projector Info** to display the settings described below.

<table>
<thead>
<tr>
<th>Information item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operation Hours</strong></td>
<td>Displays the number of hours (H) the projector has been used since it was turned on</td>
</tr>
<tr>
<td><strong>Source</strong></td>
<td>Displays the name of the port to which the current input source is connected</td>
</tr>
<tr>
<td><strong>Input Signal</strong></td>
<td>Displays the input signal setting of the current input source</td>
</tr>
<tr>
<td><strong>Resolution</strong></td>
<td>Displays the resolution of the current input source</td>
</tr>
<tr>
<td><strong>Video Signal</strong></td>
<td>Displays the video signal format of the current input source</td>
</tr>
<tr>
<td><strong>Refresh Rate</strong></td>
<td>Displays the refresh rate of the current input source</td>
</tr>
<tr>
<td><strong>Sync Info</strong></td>
<td>Displays information that may be needed by a service technician</td>
</tr>
<tr>
<td><strong>Status</strong></td>
<td>Displays information about projector problems that may be needed by a service technician</td>
</tr>
<tr>
<td><strong>Serial Number</strong></td>
<td>Displays the projector's serial number</td>
</tr>
</tbody>
</table>
### Information item

<table>
<thead>
<tr>
<th>Information item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Event ID</td>
<td>Displays the Event ID number corresponding to a specific projector problem; see the list of Event ID codes</td>
</tr>
</tbody>
</table>

### Event ID Code List

If the Event ID option on the Info menu displays a code number, check this list of Event ID codes for the solution to the projector problem associated with the code.

<table>
<thead>
<tr>
<th>Event ID code</th>
<th>Cause and solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>0432</td>
<td>The network software did not start. Turn the projector off and then on again.</td>
</tr>
<tr>
<td>0435</td>
<td>Cannot display the transferred images. Restart the network software.</td>
</tr>
<tr>
<td>0433</td>
<td>Unstable network communication. Check the network communication status, wait a few moments, and try connecting to the network again.</td>
</tr>
<tr>
<td>0434</td>
<td>Communication with computer was disconnected. Restart the network software.</td>
</tr>
<tr>
<td>0481</td>
<td>The network software quit unexpectedly. Check the network communication status, then turn the projector off and then on again.</td>
</tr>
<tr>
<td>0482</td>
<td>A projector system error has occurred. Turn the projector off and then on again.</td>
</tr>
<tr>
<td>0483</td>
<td>Cannot find the SSID (network name). Make sure your computer and projector are connected to your access point's current SSID.</td>
</tr>
<tr>
<td>0484</td>
<td>The WPA/WPA2 authentication type does not match. Make sure the wireless network security settings are correct.</td>
</tr>
<tr>
<td>0485</td>
<td>The WEP/TKIP encryption type does not match. Make sure the wireless network security settings are correct.</td>
</tr>
</tbody>
</table>

**Event ID Code List**

**Parent topic:** Adjusting the Menu Settings

---

241
<table>
<thead>
<tr>
<th>Event ID code</th>
<th>Cause and solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>0894</td>
<td>Communication with unauthorized access point was disconnected. Contact your network administrator.</td>
</tr>
<tr>
<td>0898</td>
<td>Failed to acquire DHCP address. Make sure the DHCP server is operating correctly. If you are not using DHCP, turn off the DHCP setting in the Network menus.</td>
</tr>
<tr>
<td>0899</td>
<td>A communication error has occurred. Try restarting the network software and restarting your projector. If that does not solve the problem, contact Epson for help.</td>
</tr>
<tr>
<td>089A</td>
<td>The EAP authentication type does not match the network. Check the wireless LAN security settings and make sure that the security certificate is installed correctly.</td>
</tr>
<tr>
<td>089B</td>
<td>EAP server authentication failed. Check the wireless LAN security settings and make sure that the security certificate is installed correctly.</td>
</tr>
<tr>
<td>089C</td>
<td>EAP client authentication failed. Check the wireless LAN security settings and make sure that the security certificate is installed correctly.</td>
</tr>
<tr>
<td>089D</td>
<td>Key exchange failed. Check the wireless LAN security settings and make sure that the security certificate is installed correctly.</td>
</tr>
<tr>
<td>0920</td>
<td>The internal battery that saves the projector's date and time settings is running low. Contact Epson for help.</td>
</tr>
</tbody>
</table>

**Parent topic:** [Projector Information Display - Info Menu](#)
Projector Reset Options - Reset Menu

You can reset most of the projector settings to their default values using the Reset All Config option on the Reset menu.

You cannot reset the following settings using the Reset All Config option:

- Input Signal
- Zoom
- Image Shift
- User’s Logo
- Color Uniformity
- Color Matching
- Language
- Date & Time
- Network menu items (Wireless LAN Power, Printer Settings)
- Password
- Operation Hours
- Light Source Info

Parent topic: Adjusting the Menu Settings
Maintaining and Transporting the Projector

Follow the instructions in these sections to maintain your projector and transport it from place to place.

Projector Maintenance
Air Filter and Vent Maintenance
Replacing the Remote Control Batteries
Replacing the Hard Pen Tips
Replacing the Soft Pen Tips
Transporting the Projector

Projector Maintenance

Your projector needs little maintenance to keep working at its best.

You may need to clean the projection window and obstacle sensor periodically, and clean the air filter and air vents to prevent the projector from overheating due to blocked ventilation.

The only parts you should replace are the air filter, pen batteries and tips, and remote control batteries. If any other part needs replacing, contact Epson or an authorized Epson servicer.

This projector uses a sealed laser light source which does not need servicing and cannot be replaced.

Warning: Before cleaning any part of the projector, turn it off and unplug the power cord. Never open any cover on the projector, except as specifically explained in this manual. Dangerous electrical voltages in the projector can injure you severely.

Warning: Do not try to service this product yourself, except as specifically explained in this manual. Refer all other servicing to qualified servicers.

Cleaning the Projection Window
Cleaning the Obstacle Sensor
Cleaning the Projector Case
Parent topic: Maintaining and Transporting the Projector

Cleaning the Projection Window

Clean the projection window periodically, or whenever you notice dust or smudges on the surface.

- To remove dust or smudges, gently wipe the projection window with lens-cleaning paper.
• To remove stubborn smudges, moisten a soft, lint-free cloth with lens cleaner and gently wipe the projection window.

**Warning:** Do not use a lens cleaner that contains flammable gas. The high heat generated by the projector may cause a fire.

**Caution:** Do not use canned air, or the gases may leave a flammable residue.

**Parent topic:** Projector Maintenance

**Related tasks**

Turning Off the Projector

### Cleaning the Obstacle Sensor

Clean the projector's obstacle sensor glass (circled in red) periodically, or if you see a message telling you to remove any obstacles that are interfering with the projection area.

• To remove dust or smudges, gently wipe the obstacle sensor glass with lens-cleaning paper.

• To remove stubborn smudges, moisten a soft, lint-free cloth with lens cleaner and gently wipe the obstacle sensor glass.

**Warning:** Do not use a lens cleaner that contains flammable gas. The high heat generated by the projector may cause a fire.
Caution: Do not use canned air, or the gases may leave a flammable residue.

Parent topic: Projector Maintenance
Related tasks
Turning Off the Projector

Cleaning the Projector Case
Before cleaning the projector case, turn off the projector and unplug the power cord.
• To remove dust or dirt, use a soft, dry, lint-free cloth.
• To remove stubborn dirt, use a soft cloth moistened with water and mild soap. Do not spray liquid directly on the projector.

Caution: Do not use wax, alcohol, benzine, paint thinner, or other chemicals to clean the projector case. These can damage the case. Do not use canned air, or the gases may leave a flammable residue.

Parent topic: Projector Maintenance
Related tasks
Turning Off the Projector

Air Filter and Vent Maintenance
Regular filter maintenance is important to maintaining your projector. Your Epson projector is designed with an easily accessible, user-replaceable filter to protect your projector and make regular maintenance simple. Filter maintenance intervals will depend on the environment.

If regular maintenance is not performed, your Epson projector will notify you when the temperature inside the projector has reached a high level. Do not wait until this warning appears to maintain your projector filter as prolonged exposure to high temperatures may reduce the life of your projector or laser. Damage due to the failure to properly maintain the projector or its filter may not be covered by the projector's Limited Warranty.

Cleaning the Air Filter and Vents
Replacing the Air Filter
Parent topic: Maintaining and Transporting the Projector
Cleaning the Air Filter and Vents

Clean the projector's air filter or vents if they get dusty, or if you see a message telling you to clean them.

**Caution:** Do not use water or any detergent to clean the air filter. Do not use canned air, or the gases may leave a flammable residue.

1. Turn off the projector and unplug the power cord.
2. Slide the air filter cover latch and open the air filter cover.
3. Pull the air filter out of the projector.

4. Tap each side of the filter 4 to 5 times to shake off any excess dust. Do this outside the room or away from the projector.

**Caution:** Do not use excessive force when tapping the air filter, or it may crack and become unusable. Do not rinse the air filter in water, or use any detergent or solvent to clean it. Do not use
canned air; the gases may leave a flammable residue, or push dust and debris into the projector's optics or other sensitive areas.

5. Vacuum the front of the air filter (the side with the tabs) to remove any remaining dust.

![Vacuuming the air filter](image)

**Note:** If dust is difficult to remove or the air filter is damaged, replace the air filter.

6. Place the air filter back in the projector as shown.

![Placing the air filter back](image)
7. Close the air filter cover.

Parent topic: Air Filter and Vent Maintenance

Related tasks
Turning Off the Projector

Replacing the Air Filter

You need to replace the air filter in the following situations:

• After cleaning the air filter, you see a message telling you to clean or replace it
• The air filter is torn or damaged

You can replace the air filter while the projector is mounted on the wall or ceiling.

1. Turn off the projector and unplug the power cord.
2. Slide the air filter cover latch and open the air filter cover.
3. Pull the air filter out of the projector.

**Note:** Air filters contain polypropylene. Dispose of used air filters according to local regulations.

4. Place the new air filter in the projector as shown.
5. Close the air filter cover.

Parent topic: Air Filter and Vent Maintenance

Related tasks
Turning Off the Projector

Replacing the Remote Control Batteries

The remote control uses two AA manganese or alkaline batteries. Replace the batteries as soon as they run out.

Caution: Use only the type of batteries specified in this manual. Do not install batteries of different types, or mix new and old batteries.

1. Remove the battery cover as shown.

2. Remove the old batteries.

Warning: If the battery fluid has leaked, wipe it away with a soft cloth and avoid getting the fluid on your hands. If it gets on your hands, wash them immediately to avoid injury.
3. Insert the batteries with the + and – ends facing as shown.

4. Replace the battery cover and press it down until it clicks into place.

**Warning:** Dispose of used batteries according to local regulations. Do not expose batteries to heat or flame. Keep batteries out of the reach of children; they are choking hazards and are very dangerous if swallowed.

**Parent topic:** Maintaining and Transporting the Projector

**Replacing the Hard Pen Tips**

If the pen tips become damaged or no longer work correctly, you can replace them.
1. Twist off the tip of the pen to remove it.
2. Twist on the new tip.

Parent topic: Maintaining and Transporting the Projector

Replacing the Soft Pen Tips

If the pen tips become damaged or no longer work correctly, you can replace them.
1. Twist off the tip of the pen to remove it.

2. Remove the soft tip.
3. Insert the new tip.

4. Twist on the pen tip.

**Parent topic:** Maintaining and Transporting the Projector
Transporting the Projector

The projector contains precision parts, some of which are glass. Follow the guidelines here to transport, ship, or store the projector safely.

1. Remove any equipment connected to the projector.

2. Do one of the following:
   - When transporting the projector a long distance or as checked luggage, pack it in a firm box with cushioning around it and mark the box "Fragile."
   - When shipping the projector for repairs, place it in its original packing materials, if possible, or use equivalent materials with cushioning around the projector. Mark the box "Fragile."

**Note**: Epson shall not be liable for any damages incurred during transportation.

**Parent topic**: Maintaining and Transporting the Projector
Solving Problems

Check the solutions in these sections if you have any problems using the projector.

Projection Problem Tips
Projector Light Status
Using the Projector Help Displays
Solving Image or Sound Problems
Solutions to Microphone Problems
Solving Projector or Remote Control Operation Problems
Solving Network Problems
Solving Interactive Problems
Where to Get Help

Projection Problem Tips

If the projector is not working properly, try turning it off and unplugging it. Then plug it back in and turn it on.

If this does not solve the problem, check the following:

• The lights on the projector may indicate what the problem is.
• The Help option on the Home screen can display information about common problems, if the projector is operating.
• The solutions in this manual can help you solve many problems.

If none of these solutions help, you can contact Epson for technical support.

Parent topic: Solving Problems

Related references

Projector Setup Settings - Extended Menu
Projector Light Status

Related tasks

Cleaning the Obstacle Sensor
Cleaning the Air Filter and Vents
Replacing the Air Filter
Projector Light Status

The lights on the projector indicate the projector status and let you know when a problem occurs. Check the status and color of the lights and look for a solution in the table here.

1. On/Standby light
2. Status light
3. Laser light
4. Temp (temperature) light

<table>
<thead>
<tr>
<th>On/Standby light</th>
<th>Status light</th>
<th>Laser light</th>
<th>Temp light</th>
<th>Status and solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue</td>
<td>Blue</td>
<td>Off</td>
<td>Off</td>
<td>Normal operation.</td>
</tr>
<tr>
<td>On/Standby light</td>
<td>Status light</td>
<td>Laser light</td>
<td>Temp light</td>
<td>Status and solution</td>
</tr>
<tr>
<td>------------------</td>
<td>--------------</td>
<td>-------------</td>
<td>------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>Blue</td>
<td>Flashing blue</td>
<td>Off</td>
<td>Off</td>
<td>Warming up. Wait for an image to appear.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Shutting down. (When the Status light stops flashing, you can unplug the projector.)</td>
</tr>
<tr>
<td>Blue</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
<td>Standby, sleep mode, or monitoring.</td>
</tr>
<tr>
<td>Flashing blue</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
<td>Preparing for monitoring or quick startup mode; all features are disabled.</td>
</tr>
<tr>
<td>Flashing blue</td>
<td>Varies</td>
<td>Varies</td>
<td>Flasching orange</td>
<td>Projector is too hot.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Clean or replace the air filter.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Make sure the environmental temperature is not too hot.</td>
</tr>
<tr>
<td>Off</td>
<td>Flashing blue</td>
<td>Off</td>
<td>Orange</td>
<td>Projector has overheated and turned off. Leave it turned off to cool down. After about five minutes, do the following:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Clean or replace the air filter.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• If operating the projector at high altitude, turn on <strong>High Altitude Mode</strong>.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• If the problem persists, unplug the projector and contact Epson for help.</td>
</tr>
<tr>
<td>Flashing blue</td>
<td>Varies</td>
<td>Flashing orange</td>
<td>Varies</td>
<td>Laser warning. Turn the projector off, unplug it, and contact Epson for help.</td>
</tr>
<tr>
<td>On/Standby light</td>
<td>Status light</td>
<td>Laser light</td>
<td>Temp light</td>
<td>Status and solution</td>
</tr>
<tr>
<td>------------------</td>
<td>--------------</td>
<td>-------------</td>
<td>------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>Off</td>
<td>Off</td>
<td>Orange</td>
<td>Off</td>
<td>Laser has a problem.</td>
</tr>
<tr>
<td></td>
<td>Flashing blue</td>
<td>Orange</td>
<td>Off</td>
<td>• Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Clean or replace the air filter.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• If the problem persists, unplug the projector and contact Epson for help.</td>
</tr>
<tr>
<td>Off</td>
<td>Flashing blue</td>
<td>Off</td>
<td>Flashing orange</td>
<td>A fan or sensor has a problem. Turn the projector off, unplug it, and contact Epson for help.</td>
</tr>
<tr>
<td>Off</td>
<td>Flashing blue</td>
<td>Flashing orange</td>
<td>Off</td>
<td>Internal projector error. Turn the projector off, unplug it, and contact Epson for help.</td>
</tr>
<tr>
<td>Flashing blue</td>
<td>Varies</td>
<td>Flashing orange</td>
<td>Flashing orange</td>
<td>Obstacle detection warning. A beep sounds and you see an obstacle warning. The projector turns off automatically if you take no action.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Remove any obstacles interfering with the projection window.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Clean the obstacle sensor.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>If the problem persists, turn the projector off, unplug it, and contact Epson for help.</td>
</tr>
<tr>
<td>Off</td>
<td>Flashing blue</td>
<td>Orange</td>
<td>Orange</td>
<td>Obstacle detection error. Turn the projector off, unplug it, and contact Epson for help.</td>
</tr>
</tbody>
</table>

**Note:** If the lights display a pattern not listed in the table above, turn the projector off, unplug it, and contact Epson for help.

**Parent topic:** Solving Problems
Using the Projector Help Displays

You can display information to help you solve common problems using the projector's Help system.

1. Turn on the projector.
2. Press the **Home** button on the projector or the remote control.
3. Press the arrow buttons to select the help icon and press **Enter**.
4. Select **Display the Help menu**.
5. Press **Enter**.
   You see the Help menu.
6. Press the up and down arrow buttons to highlight the problem you want to solve.
7. Press **Enter** to view the solutions.
8. When you are finished, do one of the following:
   • To select another problem to solve, press **Esc**.
   • To exit the help system, press **Home**.

Parent topic: Solving Problems

Solving Image or Sound Problems

Check the solutions in these sections if you have any problems with projected images or sound.

- Solutions When No Image Appears
- Solutions When Image is Incorrect Using the USB Display Function
- Solutions When "No Signal" Message Appears
- Solutions When "Not Supported" Message Appears
- Solutions When Only a Partial Image Appears
- Solutions When the Image is Not Rectangular
- Solutions When the Image Contains Noise or Static
- Solutions When the Image is Fuzzy or Blurry
- Solutions When the Image Brightness or Colors are Incorrect
- Solutions to Sound Problems

Parent topic: Solving Problems
Solutions When No Image Appears

If no image appears, try the following solutions:

- Press the A/V Mute button on the remote control to see if the image was temporarily turned off.
- Make sure all necessary cables are securely connected and the power is on for the projector and connected video sources.
- Make sure the image being projected is not completely black (only when projecting computer images).
- Press the projector's power button to wake it from standby or sleep mode. Also see if your connected computer is in sleep mode or displaying a blank screen saver.
- Press the Menu button. If the projector menu is able to display, there may be a problem with the connected video source, cable connection, or port.
- Check the settings on the Signal menu to make sure they are correct for the current video source.
- Adjust the Brightness setting on the Image menu.
- Adjust the Brightness Settings on the Eco menu.
- Check the Display setting to make sure Messages is set to On.
- If the projector does not respond when you press the control panel buttons, the buttons may be locked. Unlock the buttons.
- If the projector does not respond when you press buttons on the remote control, make sure the remote receivers are turned on.
- For images projected with Windows Media Center, reduce the screen size from full screen mode.
- For images projected from applications using Windows DirectX, turn off DirectX functions.
- The projector may not be able to project copyrighted videos that you play back on a computer. For details, see the manual supplied with your computer.
- If the other solutions do not solve the problem, reset all of the projector settings using the options on the Reset menu.

Parent topic: Solving Image or Sound Problems

Related references
- Input Signal Settings - Signal Menu
- Projector Feature Settings - Settings Menu

Related tasks
- Controlling the Volume with the Volume Buttons
- Selecting an Image Source
Unlocking the Projector’s Buttons

Solutions When Image is Incorrect Using the USB Display Function

If no image appears or if the image appears incorrectly using the USB Display function, try the following solutions:

- Press the **USB** button on the remote control.
- Press the **Source Search** button on the remote control or control panel, and select **USB Display**.
- Make sure the USB Display software has installed correctly. Install it manually if necessary.
- Make sure the **USB Type B** setting in the Extended menu is set to one of the **USB Display** options.
- On a Mac, select the **USB Display** icon in the Dock or from the **Applications** folder.
- For images projected with Windows Media Center, reduce the screen size from full screen mode.
- For images projected from applications using Windows DirectX, turn off DirectX functions.
- If the mouse cursor flickers, select **Make the movement of the mouse pointer smooth** in the Epson USB Display Settings program on your computer.
- Turn off the **Transfer layered window** setting in the Epson USB Display Settings program on your computer.
- If you are projecting using the WUXGA (1920 × 1200) video format and change the computer resolution during projection, the video quality and performance may decline.
- Make sure you are using the most recent version of the USB Display software. You can download the latest version from the Epson web site. Go to [epson.com/support](http://epson.com/support) (U.S.) or [epson.ca/support](http://epson.ca/support) (Canada) and select your projector.

**Parent topic:** Solving Image or Sound Problems

**Related references**

Projector Setup Settings - Extended Menu

**Related tasks**

Selecting an Image Source

Solutions When "No Signal" Message Appears

If the "No Signal" message appears, try the following solutions:

- Press the **Source Search** button and wait a few seconds for an image to appear.
- Press the **Home** button on the remote control to select from a list of available sources (shown in black text).
• Turn on the connected computer or video source, and press its play button to begin your presentation, if necessary.
• Check the connection from the projector to your video sources.
• If you are projecting from a laptop computer, make sure it is set up to display on an external monitor.
• If necessary, turn the projector and the connected computer or video source off and then on again.
• If you are projecting from an HDMI source, replace the HDMI cable with a shorter one.
• Connect the video source directly to the projector.
• If the other solutions do not solve the problem, reset all of the projector settings using the options on the **Reset** menu.

**Displaying From a PC Laptop**

**Displaying From a Mac Laptop**

**Parent topic:** Solving Image or Sound Problems

**Related tasks**

- Selecting an Image Source

**Related topics**

- Connecting to Computer Sources

**Displaying From a PC Laptop**

If you see the "No Signal" message when you display from a PC laptop, you need to set up the laptop to display on an external monitor.

1. Hold down the laptop's **Fn** key and press the key labeled with a monitor icon or **CRT/LCD**. (See your laptop manual for details.) Wait a few seconds for an image to appear. To display on both the laptop's monitor and the projector, try pressing the same keys again.

   **Note:** On Windows 7 or later, hold down the Windows key and press **P** at the same time, then click **Duplicate**.

2. If the same image is not displayed by the laptop and projector, check the Windows **Display** utility to make sure the external monitor port is enabled and extended desktop mode is disabled. (See your computer or Windows manual for instructions.)

3. If necessary, check your video card settings and set the multiple display option to **Clone**, **Mirror**, or **Duplicate**.

**Parent topic:** Solutions When "No Signal" Message Appears
Displaying From a Mac Laptop

If you see the "No Signal" message when you display from a Mac laptop, you need to set up the laptop for mirrored display. (See your laptop manual for details.)

1. Open the System Preferences utility and select Displays, Display, or Color LCD.
2. Click the Arrange or Arrangement tab.
3. Select the Mirror Displays checkbox.

Parent topic: Solutions When "No Signal" Message Appears

Solutions When "Not Supported" Message Appears

If the "Not Supported" message appears, try the following solutions:

• Make sure the input signal is supported by the projector.
• Make sure the computer's display resolution does not exceed the projector's resolution and frequency limit. If necessary, select a different display resolution for your computer. (See your computer manual for details.)
• As a test, try setting the computer's display resolution to the lowest possible setting, and then gradually increase it as necessary.

Parent topic: Solving Image or Sound Problems

Related references
Input Signal Settings - Signal Menu

Solutions When Only a Partial Image Appears

If only a partial computer image appears, try the following solutions:

• For VGA connections, press the Auto button on the remote control to optimize the image signal.
• Make sure the Resolution setting in the Signal menu is set correctly for the input signal.
• Try adjusting the image position using the Position menu setting.
• Press the Aspect button on the remote control to select a different image aspect ratio.
• If you zoomed into or out of the image using the E-Zoom buttons, press the Esc button until the projector returns to a full display.
• Check your computer display settings to disable dual display and set the resolution within the projector’s limits. (See your computer manual for details.)
• Check the resolution assigned to your presentation files to see if they are created for a different resolution than you are projecting in. (See your software help for details.)
• Make sure you selected the correct **Projection** setting.
• Try adjusting the image position using the **Image Shift** setting.
• If you are passing the video signal through another device, make sure the device is set up correctly, then try connecting the video source directly to the projector.

**Parent topic:** Solving Image or Sound Problems

**Related references**

- Input Signal Settings - Signal Menu

**Related tasks**

- Changing the Image Aspect Ratio
- Zooming Into and Out of Images

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**Solutions When the Image is Not Rectangular**

If the projected image is not evenly rectangular, try the following solutions:

• If the projector is not mounted on the wall or ceiling, place it directly in front of the center of the screen, facing it squarely, if possible.
• Use the **Image Shift** setting to adjust the image position, rather than moving the projector.
• Press the keystone buttons on the projector to adjust the image shape.
• Adjust the image shape using the **Geometry Correction** menu settings.

  **Note:** Adjusting **Quick Corner**, **H/V-Keystone**, and **Arc Correction** settings may affect focus and pen calibration.

  **Note:** If the projector is mounted on the wall, always use the adjustment dials on the mount to center the image.

**Parent topic:** Solving Image or Sound Problems

**Related tasks**

- Correcting Image Shape with the Keystone Buttons
- Correcting Image Shape with Quick Corner
- Correcting Image Shape with Arc Correction
Solutions When the Image Contains Noise or Static

If the projected image seems to contain electronic interference (noise) or static, try the following solutions:

• Check the cables connecting your computer or video source to the projector. They should be:
  • Separated from the power cord to prevent interference
  • Securely connected at both ends
  • Not connected to an extension cable
  • No longer than 10 feet (3 m) for VGA/computer cables or 24 feet (7.3 m) for HDMI cables
• Check the settings on the projector’s Signal menu to make sure they match the video source. If available for your video source, adjust the Deinterlacing and Noise Reduction settings.
• Select a computer video resolution and refresh rate that are compatible with the projector.
• If you are projecting from a computer, press the Auto button on the remote control to automatically adjust the tracking and sync. If the problem remains, display a uniformly patterned image on the screen and manually adjust the Tracking and Sync settings.
• If you adjusted the image shape using the projector controls, try decreasing the Sharpness setting to improve image quality.
• If you connected an extension power cable, try projecting without it to see if it caused interference in the signal.
• If you are using the USB Display function, turn off the Transfer layered window setting in the Epson USB Display Settings program on your computer.

Parent topic: Solving Image or Sound Problems

Related references
Input Signal Settings - Signal Menu
Supported Video Display Formats

Related topics
Connecting to Computer Sources
Connecting to Video Sources

Solutions When the Image is Fuzzy or Blurry

If the projected image is fuzzy or blurry, try the following solutions:

• Adjust the image focus.
• Clean the projection window.

**Note**: To avoid condensation on the lens after bringing the projector in from a cold environment, let the projector warm up to room temperature before using it.

• Position the projector close enough to the screen, and directly in front of it.
• Verify that the throw distance from the projector to your projection surface meets the specifications in your projector's *Installation Guide*.
• Position the projector so the keystone adjustment angle is not so wide that it distorts the image.
• Adjust the **Sharpness** setting to improve image quality.
• If you are projecting from a computer using a VGA cable, press the **Auto** button on the remote control to automatically adjust the tracking and sync. If any bands or overall blurriness remain, display a uniformly patterned image on the screen and manually adjust the **Tracking** and **Sync** settings.
• If you are projecting from a computer, adjust the computer's resolution to match the projector's native resolution, if possible.
• Reset the keystone, **Quick Corner**, and **Arc Correction** settings to their factory defaults and refocus the image.

**Note**: If the projector is mounted on the wall, always use the adjustment dials on the mount to center the image.

• Make sure the screen is flat.

**Parent topic**: Solving Image or Sound Problems

**Related references**

- Input Signal Settings - Signal Menu
- Image Quality Settings - Image Menu

**Related tasks**

- Focusing the Image

**Solutions When the Image Brightness or Colors are Incorrect**

If the projected image is too dark or light, or the colors are incorrect, try the following solutions:

• Press the **Color Mode** button on the remote control to try different color modes for the image and environment.
• Check your video source settings.
• Adjust the available settings on the Image menu for the current input source, such as Brightness, Contrast, Tint, White Balance, and/or Color Saturation.

• Make sure you selected the correct Input Signal or Video Signal setting on the Signal menu, if available for your image source.

• Make sure you selected the correct Gamma or RGBCMY setting in the Image menu.

• Make sure all the cables are securely connected to the projector and your video device. If you connected long cables, try connecting shorter cables.

• Make sure the Brightness Settings in the Eco menu is set correctly.

• Position the projector close enough to the screen.

• If the above solutions do not correct your image, try resetting all of the projector’s settings using the Reset menu.

Parent topic: Solving Image or Sound Problems

Related references
Input Signal Settings - Signal Menu
Projector Setup Settings - ECO Menu
Image Quality Settings - Image Menu

Related topics
Connecting to Computer Sources
Connecting to Video Sources

Solutions to Sound Problems
If there is no sound when you expect it or the volume is too low or high, try the following solutions:

• Adjust the projector’s volume settings.

• Press the A/V Mute button on the remote control to resume video and audio if they were temporarily stopped.

• Press the Source Search button to switch to the correct input source, if necessary.

• Check your computer or video source to make sure the volume is turned up and the audio output is set for the correct source.

• Try disconnecting and reconnecting the audio cable.

• Check the audio cable connections between the projector and your video source.

• If you do not hear sound from an HDMI source, set the connected device to PCM output.
• Make sure any connected audio cables are labeled "No Resistance".
• If you are using the USB Display function, turn on the Output audio from the projector setting in the Epson USB Display Settings program on your computer.
• If you are using a Mac and you do not hear sound from an HDMI source, make sure your Mac supports audio through the HDMI port. If not, you need to connect an audio cable.
• If you want to use a connected audio source when the projector is off, set the Quick Startup option to Off and make sure the A/V Settings options are set correctly.
• If the volume for the computer is set to the minimum while the projector's volume is set to maximum, the noise may be mixed. Turn up the computer's volume and decrease the projector's volume.
• Make sure the Audio Output Device option is set to the correct audio port for your video device.
• Check the Mic Input Level setting and lower it, if necessary.
• If you turn the projector on immediately after turning it off, the cooling fans may run at high speed momentarily and cause an unexpected noise. This is normal.

Parent topic: Solving Image or Sound Problems

Related references
Projector Setup Settings - ECO Menu

Related tasks
Shutting Off the Picture and Sound Temporarily

Solutions to Microphone Problems

If there is no sound when you use a microphone connected to the projector, try the following solutions:
• Make sure the microphone is securely connected to the projector.
• Adjust the Mic Input Level setting as necessary in the projector's menus.
• If you want to use the microphone when the projector is off, set the Quick Startup setting to Off and make sure the A/V Settings options are set correctly.

Parent topic: Solving Problems

Solving Projector or Remote Control Operation Problems

Check the solutions in these sections if you have problems operating the projector or remote control.

Solutions to Projector Power or Shut-Off Problems
Solutions to Problems with the Remote Control
Solutions to Password Problems

Parent topic: Solving Problems

Solutions to Projector Power or Shut-Off Problems

If the projector does not come on when you press the power button or it shuts off unexpectedly, try the following solutions:

- Make sure the power cord is securely connected to the projector and to a working electrical outlet.
- The projector's buttons may be locked for security. Unlock the buttons or use the remote control to turn on the projector.
- If the projector's laser shuts off unexpectedly, it may have entered standby mode after a period of inactivity. Press the power button to wake the projector and adjust the Sleep Mode Timer setting to change the sleep interval. The A/V Mute Timer may be set. Set the A/V Mute Timer to Off in the ECO menu.
- If the projector's laser shuts off, the Status light is flashing, and the Temp light is on, the projector has overheated and shut off. Check the solutions for this light status.
- If the power button on the remote control does not turn on the projector, check its batteries and make sure the Remote Receiver setting is turned on in the projector's menu, if available.
- Make sure Sleep Mode is not in effect.
- The power cord may be defective. Try another power cord. If that doesn’t work, disconnect the cord and contact Epson.
- Temporarily remove the Ethernet cable and see if the problem continues.

Parent topic: Solving Projector or Remote Control Operation Problems

Related references

- Projector Light Status
- Projector Feature Settings - Settings Menu

Related tasks

- Unlocking the Projector's Buttons

Solutions to Problems with the Remote Control

If the projector does not respond to remote control commands, try the following solutions:

- Check that the remote control batteries are installed correctly and have power. If necessary, replace the batteries.
• Make sure you are operating the remote control within the reception angle and range of the projector.
• Make sure the projector is not warming up or shutting down.
• Check to see if a button on the remote control is stuck down, causing it to enter sleep mode. Release the button to wake the remote control up.
• Strong fluorescent lighting, direct sunlight, or infrared device signals may be interfering with the projector’s remote receivers. Dim the lights or move the projector away from the sun or interfering equipment.
• If available, turn on one of the remote receivers in the projector’s menu system, or check if all the remote receivers were turned off.
• If the remote receiver setting is off, press and hold the Menu button on the remote for at least 15 seconds to restore the default setting.
• If you assigned an ID number to the remote control to operate multiple projectors, you may need to check or change the ID setting (feature not available with all projectors).
• If you lose the remote control, you can purchase another from an authorized Epson reseller.

Parent topic: Solving Projector or Remote Control Operation Problems

Related references
Remote Control Operation

Related tasks
Replacing the Remote Control Batteries

Solutions to Password Problems

If you cannot enter or remember a password, try the following solutions:
• You may have turned on password protection without first setting a password. Try entering 0000 using the remote control.
• If you have entered an incorrect password too many times and see a message displaying a request code, write down the code and contact Epson. Do not attempt to enter the password again. Provide the request code and proof of ownership for assistance in unlocking the projector.
• If you set a Epson Web Control password and forgot the user ID or password, try entering the following:
  • User ID: EPSONWEB
  • Default password: admin
• If you set a Remote password (in Epson Web Control) and forgot the user ID or password, try entering the following:
  • User ID: **EPSONREMOTE**
  • Default password: **guest**
• If you lose the remote control, you cannot enter a password. Order a new one from Epson.

**Parent topic:** Solving Projector or Remote Control Operation Problems  
**Related concepts**  
Projector Security Features

### Solving Network Problems

Check the solutions in these sections if you have problems using the projector on a network.

- **Solutions When Wireless Authentication Fails**
- **Solutions When You Cannot Access the Projector Through the Web**
- **Solutions When Network Alert E-Mails are Not Received**
- **Solutions When the Image Contains Static During Network Projection**

**Parent topic:** Solving Problems

### Solutions When Wireless Authentication Fails

If you cannot authenticate a wireless connection, try the following solutions:

• Make sure the **Wireless LAN Power** setting is set to **On**.
• Check the Security settings and passphrase in the Network Configuration menu.
• Check the Event ID number displayed in the Info menu and check the link below to identify the problem.

**Parent topic:** Solving Network Problems  
**Related references**  
Projector Network Settings - Network Menu

### Solutions When You Cannot Access the Projector Through the Web

If you are unable to access the projector through a web browser, make sure you are using the correct ID and password, which are case sensitive.
Note: You cannot change the user ID.

- You may need to log in to access some options on the Web Control screen. If you see a log in window, enter **EPSONWEB** as the user ID and enter the password set in the projector’s Network menu as the password. The default password is **admin**.
- To display the Web Remote screen, enter **EPSONREMOTE** as the user ID and enter the password set in the projector's Network menu as the password. The default password is **guest**.
- Avoid connecting via a proxy server.
- Make sure you have access to the network the projector is on.
- Check the IP address on the projector, then reenter the IP address in the browser search bar.

Note: The user ID and password are case sensitive.

Parent topic: Solving Network Problems

## Solutions When Network Alert E-Mails are Not Received

If you do not receive an e-mail alerting you to problems with a projector over the network, try the following solutions:

- Make sure the projector is turned on and connected to the network correctly. (If an error shut down the projector, it cannot send an e-mail.)
- Make sure your electrical outlet or power source is functioning properly.
- Make sure you set up the projector e-mail alert settings correctly on the projector's network Notifications menu or in the network software.
- Set the **Standby Mode** setting to **Communication On** so the network software can monitor the projector in standby mode. Change the **Port** setting according to your network environment.

Parent topic: Solving Network Problems

Related references

Network Projector E-mail Alert Messages

Related tasks

Setting Up Projector Network E-Mail Alerts
Solutions When the Image Contains Static During Network Projection

If the projected image contains static during network projection, try the following solutions:

- Check for any obstacles between the access point, the computer, the mobile device, and the projector. If necessary, change their positions to improve communication. Also, make sure that they are not too far apart. Move them closer together and try to connect again.
- If the wireless connection is slow or your projected image contains noise, check for interference from other equipment, such as a Bluetooth device or microwave. Move the interfering device farther away or expand your wireless bandwidth.
- If the connection speed declines, reduce the number of connected devices.

Parent topic: Solving Network Problems

Solving Interactive Problems

Check the solutions in these sections if you have problems using the interactive system.

Solutions When "Error Occurred in the Easy Interactive Function" Message Appears
Solutions When the Interactive Pens Do Not Work
Solutions When the Interactive Pen Position Is Not Accurate
Solutions When Manual Calibration Does Not Work
Solutions When the Interactive Pens Are Slow or Difficult to Use
Solutions When the Interactive Pens Cause Interference or Unwanted Effects
Solutions When Finger Touch Interactivity Does Not Work
Solutions When You Cannot Operate a Computer from the Projected Screen
Solutions When Inking Does Not Appear in Microsoft Office
Solutions When the Pen Does Not Work Over a Network or the Toolbars Do Not Appear

Parent topic: Solving Problems

Solutions When "Error Occurred in the Easy Interactive Function" Message Appears

If the "Error occurred in the Easy Interactive Function" message appears, contact Epson for help.

Parent topic: Solving Interactive Problems

Solutions When the Interactive Pens Do Not Work

If the interactive pens do not work, try the following solutions:

- The pens turn off automatically when not in use. Pick up the pen to turn it back on.
• Make sure you are not covering the black section near the tip of the pen.
• Make sure the pen tip is securely attached to the pen.
• If the pen tip is worn out, dirty, or damaged, you may need to replace it.
• Try replacing the soft pen tip with the hard pen tip.
• Make sure nothing is blocking the signal between the pen and the interactive pen receiver on the projector.
• Try holding the pen at a different angle so that your hand is not blocking the signal.
• Make sure the cable cover is in place to keep cables from blocking the signal.
• Make sure the pen battery has enough power. Press the button on the side of the pen to check remaining battery power. Try replacing the battery.
• If you are projecting from a computer, make sure the USB cable is connected to the computer and projector.
• Dim the room lights and turn off any fluorescent lights. Make sure the projection surface and pen receiver are not in direct sunlight or other sources of bright lighting.
• Remove any decorative lights from around the projector or projection surface.
• Make sure the interactive pen receiver on the projector is clean and free from dust.
• Make sure there is no interference from infrared remote controls, mice, or infrared microphones.
• Make sure the USB Type B option on the Extended menu is set to Easy Interactive Function or USB Display/Easy Interactive Function.
• Make sure you have calibrated the system. Try recalibrating.
• If you are using a Mac with your projector, make sure that you installed the Easy Interactive Tools software, and that you have downloaded and installed the latest Easy Interactive Driver from the Epson support site.
• Make sure the Pen Mode and Pen Operation Mode settings are set correctly in the Easy Interactive Function options on the Extended menu.
• If you are using multiple interactive projectors in the same room, make sure you are using a sync cable between the projectors and that the Easy Interactive Function > Advanced > Sync of Projectors setting in the Extended menu is set to Wired.

Parent topic: Solving Interactive Problems

Related tasks
Replacing the Remote Control Batteries
Replacing the Hard Pen Tips
Replacing the Soft Pen Tips

Solutions When the Interactive Pen Position Is Not Accurate

If the pen position is not the same as the mouse pointer, try the following solutions:

- Reset the keystone, Quick Corner, and Arc Correction settings to their factory defaults.
- If you mounted the projector using a wall mount and used keystone or other digital correction settings to adjust the image, return the settings to their factory defaults. Instead, use the adjustment dials on the wall mount to adjust the image shape; do not use any digital correction. Then focus the image and recalibrate.
- If you use the E-Zoom + button on the remote control to enlarge the image, the pen position is not accurate. When you return the image to the original size, the position should be correct.
- Select Reset All Config from the Reset menu to restore the projector settings to their default values.
- If you connected your projector through a video scaler, make sure the video scaler output resolution setting matches your projector's native resolution.
- Try adjusting the image shape using the adjustment dials on the projector mount, if you are using one.
- Focus the image to sharpen it.
- Make sure you have calibrated the system. Try manual calibration.
- Make sure the cable cover is in place to keep cables from blocking the signal.
- Try adjusting the pen operation area.
- In PC Interactive mode (in the Extended menu), turn off the Auto Adjust Pen Area setting and select the Manual Adj. Pen Area setting.

Parent topic: Solving Interactive Problems

Related concepts
Pen Calibration

Related references
Projector Setup Settings - Extended Menu
General Projector Specifications

Related tasks
Adjusting the Pen Operation Area
Removing and Attaching the Cable Cover
Zooming Into and Out of Images
Solutions When Manual Calibration Does Not Work

If you are having trouble calibrating manually, try the following solutions:

• If the circle does not move to the next position, or it moves automatically, dim or turn off any bright lights near the projection surface.
• Make sure the projector is not too close to the projection surface.
• Select Reset All Config from the Reset menu to restore the projector settings to their default values.

Parent topic: Solving Interactive Problems

Solutions When the Interactive Pens Are Slow or Difficult to Use

If the pens are difficult to use or respond too slowly, try the following solutions:

• For easier operation, hold the pen perpendicular to the projection surface.
• For the best performance, connect your computer to the projector using a VGA or HDMI cable for display and the USB cable for interactivity.
• If you are using USB Display in Windows, you may need to disable Windows Aero in the Epson USB Display Settings program on your computer.
• If you are having difficulty double-clicking on a Mac, go to the System Preferences menu, select Mouse, Trackpad, or Mouse & Trackpad, and reduce the Double-click speed.
• Set the Extended > Easy Interactive Function > Hovering setting to Off.

Parent topic: Solving Interactive Problems

Related tasks
Using the Pens

Solutions When the Interactive Pens Cause Interference or Unwanted Effects

If the pens are causing interference or unwanted effects, try the following solutions:

• When you use two pens at the same time, make sure to use them at least 4 inches (10.16 cm) apart.
• Do not rest the pens on the image area of an interactive table to avoid interference with your computer's mouse.
• Make sure that nothing is blocking the direct line to the infrared site on the projector.
• Turn off hovering.

Parent topic: Solving Interactive Problems
Related references
Projector Setup Settings - Extended Menu

Solutions When Finger Touch Interactivity Does Not Work

If finger touch interactivity does not work, try the following solutions:

- Make sure the Touch Unit is installed correctly and the power cable is properly connected. See your projector’s *Touch Unit and Control Pad Installation Guide* for details.
- If the light on the Touch Unit is not on, check the Touch Unit Setup settings in the Easy Interactive Function option on the Extended menu and make sure the Power setting is set to On.
- If you are using a Mac with your projector, make sure that you installed the Easy Interactive Tools software, and that you have downloaded and installed the latest Easy Interactive Driver from the Epson support site.
- Adjust the angle on the Touch Unit. See your projector’s *Touch Unit and Control Pad Installation Guide* for details.
- Make sure there are no obstacles (such as cables) between the Touch Unit's laser diffusion ports and the projection surface.
- Remove any decorative lights from around the projector or projection surface.
- If you are having difficulty double-clicking on a Mac, go to the System Preferences menu, select Mouse, Trackpad, or Mouse & Trackpad, and reduce the Double-click speed.
- Make sure there is no interference from infrared remote controls, mice, or infrared microphones.
- Make sure you have performed pen calibration and finger touch calibration. Try recalibrating.
- Keep your clothing or parts of your body more than 0.4 inches (1 cm) away from the projection surface.

- If touch operation does not work correctly even after calibration, press the icon on the Home screen and check the Calibration Range setting. Select Wide if you drag items when touching the screen or Narrow if mouse operations do not work smoothly.

Parent topic: Solving Interactive Problems
Related concepts
Pen Calibration
Related tasks
Calibrating for Finger Touch Interactivity
Solutions When You Cannot Operate a Computer from the Projected Screen
If you are unable to access a computer from the projected screen, try the following solutions:

• Make sure the USB Type B setting on the Extended menu is set to Easy Interactive Function or USB Display/Easy Interactive Function.

• Make sure you perform pen calibration when using the interactive pen for the first time so that the projector recognizes the position of the pen correctly.

• Press the Pen Mode button on the remote control to select PC Interactive as the Pen Mode setting. You can also select the Pen Mode setting from the projector's Extended menu.

• Make sure the USB cable is securely connected. Disconnect the USB cable, and then reconnect it.

• When projecting an image using two projectors installed side-by-side, you need to select the Multi-Projection setting in order to use the interactive features. You also need to download the Easy Interactive Driver Ver. 4.0 and install it on the computer that you want to operate from the projected screen.

• When projecting an image with only one of the two projectors installed side by side, you may not be able to operate a computer from the projected screen. Select the icon on the Home screen, and then set Use this single projector to On.

Parent topic: Solving Interactive Problems

Solutions When Inking Does Not Appear in Microsoft Office
If Start Inking does not appear on the Review tab in your Microsoft Office application, change the Pen Operation Mode setting.

Parent topic: Solving Interactive Problems

Related references
Projector Setup Settings - Extended Menu

Solutions When the Pen Does Not Work Over a Network or the Toolbars Do Not Appear
If you are having trouble using the pen with a network connection, or the toolbars do not appear on your projected image, try the following solutions:

• If you are using Epson iProjection (Windows/Mac) software, select Set Options and make sure Use Interactive Pen is enabled. Also, select the Adjust performance tab and select Transfer layered window.

Parent topic: Solving Interactive Problems
Where to Get Help

If you need to contact Epson for technical support services, use the following support options.

Internet Support
Visit Epson’s support website at epson.com/support (U.S.), epson.ca/support (Canada), or epson.com.jm/support (Caribbean) and select your product for solutions to common problems with your projector. You can download utilities and documentation, get FAQs and troubleshooting advice, or e-mail Epson with your questions.

Speak to a Support Representative
To use the Epson PrivateLine Support service, call (800) 637-7661. This service is available for the duration of your warranty period. You may also speak with a projector support specialist by dialing (562) 276-4394 (U.S.) or (905) 709-3839 (Canada).

Support hours are 6 AM to 8 PM, Pacific Time, Monday through Friday and 7 AM to 4 PM, Pacific Time, Saturday.

Days and hours of support are subject to change without notice. Toll or long distance charges may apply.

Before you call, have the following information ready:
• Product name
• Product serial number (located on the bottom or rear of the projector, or in the menu system)
• Proof of purchase (such as a store receipt) and date of purchase
• Computer or video configuration
• Description of the problem

Purchase Supplies and Accessories
You can purchase screens, other optional accessories, and replacement parts from an Epson authorized reseller. To find the nearest reseller, call 800-GO-EPSON (800-463-7766) in the U.S. or 800-807-7766 in Canada. Or you can purchase online at epsonstore.com (U.S. sales) or epsonstore.ca (Canadian sales).

To purchase a replacement remote control, call (562) 276-4394 (U.S.) or (905) 709-3839 (for dealer referral in Canada).

Parent topic: Solving Problems
Technical Specifications

These sections list the technical specifications of your projector.

General Projector Specifications
Projector Light Source Specifications
Interactive Pen Specifications
Touch Unit Specifications
Remote Control Specifications
Projector Dimension Specifications
Projector Electrical Specifications
Projector Environmental Specifications
Projector Safety and Approvals Specifications
Supported Video Display Formats
USB Display System Requirements

General Projector Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of display</td>
<td>Poly-silicon TFT active matrix</td>
</tr>
<tr>
<td>Resolution</td>
<td>1920 × 1200 pixels (WUXGA)</td>
</tr>
<tr>
<td>Lens</td>
<td>F=1.6</td>
</tr>
<tr>
<td></td>
<td>Focal length: 4.2 mm</td>
</tr>
<tr>
<td>Color reproduction</td>
<td>Full color, up to 1.07 billion colors</td>
</tr>
<tr>
<td>Brightness</td>
<td>Normal Light Source Mode:</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td></td>
<td>White light output 4000 lumens (ISO 21118 standard)</td>
</tr>
<tr>
<td></td>
<td>Color light output 4000 lumens</td>
</tr>
<tr>
<td></td>
<td>Quiet or Extended Light Source Mode:</td>
</tr>
<tr>
<td></td>
<td>White light output 2800 lumens (ISO 21118 standard)</td>
</tr>
<tr>
<td></td>
<td>Custom mode:</td>
</tr>
<tr>
<td></td>
<td>White light output 2800 to 4000 lumens (ISO 21118 standard)</td>
</tr>
<tr>
<td>Note:</td>
<td>Color brightness (color light output) and white brightness (white light output) will vary depending on usage conditions. Color light output measured in accordance with IDMS 15.4; white light output measured in accordance with ISO 21118.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Contrast ratio</th>
<th>Over 2,500,000:1 with Dynamic Color Mode, Normal Light Source Mode, and Wide Zoom on</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Image size</th>
<th>70 inches (1.78 m) to 100 inches (2.54 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(in native aspect ratio)</td>
<td></td>
</tr>
<tr>
<td>Projection distance</td>
<td>15.9 inches (0.41 m) to 30.7 inches (0.77 m)</td>
</tr>
<tr>
<td>(in native aspect ratio)</td>
<td></td>
</tr>
<tr>
<td>Projection methods</td>
<td>Front, rear, wall-mounted, table-mounted, ceiling-mounted</td>
</tr>
<tr>
<td>Optical aspect ratio</td>
<td>16:10</td>
</tr>
<tr>
<td>(width-to-height)</td>
<td></td>
</tr>
<tr>
<td>Focus adjustment</td>
<td>Manual</td>
</tr>
<tr>
<td>Zoom adjustment</td>
<td>Digital</td>
</tr>
<tr>
<td>Zoom ratio</td>
<td>1.0 to 1.35</td>
</tr>
<tr>
<td>(Tele-to-Wide)</td>
<td></td>
</tr>
<tr>
<td>Internal sound system</td>
<td>16 W monaural</td>
</tr>
<tr>
<td>Noise level</td>
<td>38 dB (Normal Light Source Mode)</td>
</tr>
<tr>
<td></td>
<td>37 dB (Extended Light Source Mode)</td>
</tr>
<tr>
<td></td>
<td>27 dB (Quiet Light Source Mode)</td>
</tr>
</tbody>
</table>
Keystone correction angle ± 3°

USB Type B port compatibility USB 2.0 compliant for USB Display, remote mouse control, interactivity, firmware update, or copying menu settings

USB Type A port compatibility Two USB 2.0 compliant ports for USB memory device, Epson document camera, firmware update, or copying menu settings

Parent topic: Technical Specifications

Projector Light Source Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Laser Diode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power consumption</td>
<td>Normal Light Source mode: 448 W</td>
</tr>
<tr>
<td></td>
<td>Quiet or Extended Light Source mode: 348 W</td>
</tr>
<tr>
<td>Light source output power</td>
<td>Up to 108 W</td>
</tr>
<tr>
<td>Wavelength</td>
<td>450 to 460 nm</td>
</tr>
<tr>
<td>Light source life</td>
<td>Normal or Quiet Light Source mode: Up to about 20000 hours</td>
</tr>
<tr>
<td></td>
<td>Extended Light Source mode: Up to about 30000 hours</td>
</tr>
</tbody>
</table>

Note: Turn off this product when not in use to prolong the life of the projector. Laser life will vary depending upon mode selected, environmental conditions, and usage. Brightness decreases over time.

Parent topic: Technical Specifications

Interactive Pen Specifications

<table>
<thead>
<tr>
<th>Batteries</th>
<th>One AA alkaline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>6.3 inches (161 mm) long; diameter 0.94 inches (24 mm)</td>
</tr>
<tr>
<td>Weight (without battery)</td>
<td>1.06 oz (30 g)</td>
</tr>
</tbody>
</table>
## Touch Unit Specifications

<table>
<thead>
<tr>
<th>Technology</th>
<th>Infrared Laser (Class 1)</th>
</tr>
</thead>
</table>
| Dimensions       | Height: 3.7 inches (95 mm)  
                        Width: 8.3 inches (210 mm)  
                        Depth: 2 inches (51 mm) |
| Weight           | 15.9 oz (450 g) |

## Remote Control Specifications

<table>
<thead>
<tr>
<th>Reception range</th>
<th>19.7 feet (6 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Batteries</td>
<td>Two alkaline or manganese AA</td>
</tr>
</tbody>
</table>

## Projector Dimension Specifications

<table>
<thead>
<tr>
<th>Height (excluding feet)</th>
<th>6.7 inches (172 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>19.4 inches (494 mm)</td>
</tr>
<tr>
<td>Depth</td>
<td>17.2 inches (437 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>24.7 lb (11.2 kg)</td>
</tr>
</tbody>
</table>

## Projector Electrical Specifications

<table>
<thead>
<tr>
<th>Rated frequency</th>
<th>50/60 Hz</th>
</tr>
</thead>
</table>
| Power supply    | 100 to 240 VAC ±10%  
                        4.6 to 2.0 A |
### Power consumption

(100 to 120 V)
- Operating:
  - Normal Power Consumption mode: 448 W
  - Extended or Quiet Power Consumption mode: 348 W
- Standby:
  - 0.3 W (Communication Off), 2.0 W (Communication On)

(220 to 240 V)
- Operating:
  - Normal Power Consumption mode: 423 W
  - Extended or Quiet Power Consumption mode: 332 W
- Standby:
  - 0.3 W (Communication Off), 2.0 W (Communication On)

### Projector Environmental Specifications

#### Temperature
- Operating - Single projector:
  - 32 to 113 °F (0 to 45 °C)
- Operating - Multiple projectors:
  - 32 to 104 °F (0 to 40 °C)
- Storage:
  - 14 to 140 °F (–10 to 60 °C)

#### Humidity (relative, non-condensing)
- Operating: 20 to 80%
- Storage: 10 to 90%

#### Operating altitude
- Up to 4921 feet (1500 m)
- Up to 9842 ft (3000 m) with High Altitude Mode enabled

Parent topic: Technical Specifications
Projector Safety and Approvals Specifications

**United States**
- FCC Part 15 Class B
- UL60950-1 2nd edition (cTUVus Mark)

**Canada**
- ICES-003 Class B
- CSA C22.2 No. 60950-1-07 (cTUVus Mark)

Parent topic: Technical Specifications

**Supported Video Display Formats**

For best results, your computer's monitor port or video card resolution should be set to display in the projector's native resolution. However, your projector includes Epson's SizeWise chip that supports other computer display resolutions, so your image will be resized to fit automatically.

Your computer's monitor port or video card refresh rate (vertical frequency) must be compatible with the projector. (See your computer or video card manual for details.)

The table here lists the compatible refresh rate and resolution for each compatible video display format.

<table>
<thead>
<tr>
<th>Display format</th>
<th>Refresh rate (in Hz)</th>
<th>Resolution (in pixels)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Computer signals (analog RGB)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VGA</td>
<td>60/72/75/85</td>
<td>640 × 480</td>
</tr>
<tr>
<td>SVGA</td>
<td>60/72/75/85</td>
<td>800 × 600</td>
</tr>
<tr>
<td>XGA</td>
<td>60/70/75/85</td>
<td>1024 × 768</td>
</tr>
<tr>
<td>WXGA</td>
<td>60/70/75/85</td>
<td>1280 × 768</td>
</tr>
<tr>
<td>WXGA+</td>
<td>60/70/75/85</td>
<td>1440 × 900</td>
</tr>
<tr>
<td>WXGA++</td>
<td>60</td>
<td>1600 × 900</td>
</tr>
<tr>
<td>SXGA</td>
<td>70/75/85</td>
<td>1152 × 864</td>
</tr>
<tr>
<td></td>
<td>60/75/85</td>
<td>1280 × 960</td>
</tr>
<tr>
<td></td>
<td>60/75/85</td>
<td>1280 × 1024</td>
</tr>
<tr>
<td>Display format</td>
<td>Refresh rate (in Hz)</td>
<td>Resolution (in pixels)</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>----------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>SXGA+</td>
<td>60/75</td>
<td>1400 × 1050</td>
</tr>
<tr>
<td>WSXGA+*</td>
<td>60</td>
<td>1680 × 1050</td>
</tr>
<tr>
<td>UXGA</td>
<td>60</td>
<td>1600 × 1200</td>
</tr>
<tr>
<td>WUXGA (Reduced Blanking)</td>
<td>60</td>
<td>1920 × 1200</td>
</tr>
<tr>
<td>Composite video</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TV (NTSC)</td>
<td>60</td>
<td>720 × 480</td>
</tr>
<tr>
<td>TV (SECAM)</td>
<td>50</td>
<td>720 × 576</td>
</tr>
<tr>
<td>TV (PAL)</td>
<td>50/60</td>
<td>720 × 576</td>
</tr>
<tr>
<td>Component video</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SDTV (480i/480p)</td>
<td>60</td>
<td>720 × 480</td>
</tr>
<tr>
<td>SDTV (576i/576p)</td>
<td>50</td>
<td>720 × 576</td>
</tr>
<tr>
<td>HDTV (720p)</td>
<td>50/60</td>
<td>1280 × 720</td>
</tr>
<tr>
<td>HDTV (1080i)</td>
<td>50/60</td>
<td>1920 × 1080</td>
</tr>
<tr>
<td>HDMI input signals</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VGA</td>
<td>60</td>
<td>640 × 480</td>
</tr>
<tr>
<td>SVGA</td>
<td>60</td>
<td>800 × 600</td>
</tr>
<tr>
<td>XGA</td>
<td>60</td>
<td>1024 × 768</td>
</tr>
<tr>
<td>WXGA</td>
<td>60</td>
<td>1280 × 800</td>
</tr>
<tr>
<td></td>
<td>60</td>
<td>1366 × 768</td>
</tr>
<tr>
<td>WXGA+</td>
<td>60</td>
<td>1440 × 900</td>
</tr>
<tr>
<td>WXGA++</td>
<td>60</td>
<td>1600 × 900</td>
</tr>
<tr>
<td>WSXGA+</td>
<td>60</td>
<td>1680 × 1050</td>
</tr>
<tr>
<td>SXGA</td>
<td>60</td>
<td>1280 × 960</td>
</tr>
<tr>
<td></td>
<td>60</td>
<td>1280 × 1024</td>
</tr>
<tr>
<td>SXGA+</td>
<td>60</td>
<td>1400 × 1050</td>
</tr>
<tr>
<td>UXGA</td>
<td>60</td>
<td>1600 × 1200</td>
</tr>
<tr>
<td>Display format</td>
<td>Refresh rate (in Hz)</td>
<td>Resolution (in pixels)</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>----------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>WUXGA (Reduced Blanking)</td>
<td>60</td>
<td>1920 × 1080</td>
</tr>
<tr>
<td>SDTV (480i/480p)</td>
<td>60</td>
<td>720 × 480</td>
</tr>
<tr>
<td>SDTV (576i/576p)</td>
<td>50</td>
<td>720 × 576</td>
</tr>
<tr>
<td>HDTV (720p)</td>
<td>50/60</td>
<td>1280 × 720</td>
</tr>
<tr>
<td>HDTV (1080i)</td>
<td>50/60</td>
<td>1920 × 1080</td>
</tr>
<tr>
<td>HDTV (1080p)</td>
<td>24/30/50/60</td>
<td>1920 × 1080</td>
</tr>
</tbody>
</table>

**MHL input signals**

| VGA                            | 60                   | 640 × 480              |
| SDTV (480i/480p)               | 60                   | 720 × 480              |
| SDTV (576i/576p)               | 50                   | 720 × 576              |
| HDTV (720p)                    | 50/60                | 1280 × 720             |
| HDTV (1080i)                   | 50/60                | 1920 × 1080            |
| HDTV (1080p)                   | 24/30                | 1920 × 1080            |

* **Wide** resolution only

**Parent topic:** Technical Specifications

**USB Display System Requirements**

Your computer system must meet the system requirements here to use the projector's USB Display software.
<table>
<thead>
<tr>
<th>Requirement</th>
<th>Windows</th>
<th>Mac</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating system</td>
<td>Windows Vista Ultimate, Enterprise, Business, Home Premium, and Home</td>
<td>OS X 10.7.x (32- and 64-bit), 10.8.x,</td>
</tr>
<tr>
<td></td>
<td>Basic (32-bit)</td>
<td>10.9.x, 10.10.x, 10.11.x (64-bit), macOS 10.12.x (64-bit), and macOS</td>
</tr>
<tr>
<td></td>
<td>Windows 7 Ultimate, Enterprise, Professional, and Home Premium (32-</td>
<td>10.13.x (64-bit)</td>
</tr>
<tr>
<td></td>
<td>and 64-bit); Home Basic and Starter (32-bit)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Windows 8.x, Pro, and Enterprise (32- and 64-bit)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Windows 10 Home, Pro, and Enterprise (32- and 64-bit)</td>
<td></td>
</tr>
<tr>
<td>CPU</td>
<td>Intel Core2 Duo or faster (Intel Core i3 or faster recommended)</td>
<td>Intel Core2 Duo or faster (Intel Core i5 or faster recommended)</td>
</tr>
<tr>
<td>Memory</td>
<td>2GB or more (4GB or more recommended)</td>
<td></td>
</tr>
<tr>
<td>Hard disk space</td>
<td>20MB or more</td>
<td></td>
</tr>
<tr>
<td>Display</td>
<td>Resolution between 640 × 480 and 1920 × 1200, 16-bit color or greater</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Operation is not guaranteed for Windows Vista without any installed service packs or with Windows Vista Service Pack 1.

**Parent topic:** Technical Specifications
Notices

Check these sections for important notices about your projector.

- Recycling
- Important Safety Information
- Laser Safety Information
- Important Safety Instructions
- List of Safety Symbols (corresponding to IEC60950-1 A2)
- FCC Compliance Statement
- Binding Arbitration and Class Waiver
- Trademarks
- Copyright Notice

Recycling

Epson offers a recycling program for end of life products. Please go to this site for information on how to return your products for proper disposal.

Parent topic: Notices

Important Safety Information

Caution: Never look into the projector lens when the laser is turned on; the bright light can damage your eyes. Never let children look into the lens when it is on. Never open any cover on the projector, except the filter covers. Dangerous electrical voltages inside the projector can severely injure you. Except as specifically explained in this User's Guide, do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

Warning: The projector and its accessories come packaged in plastic bags. Keep plastic bags away from small children to avoid any risk of suffocation.

Parent topic: Notices
Laser Safety Information

This projector is a Class 1 laser product that complies with the IEC/EN60825-1:2014 international standard for lasers. Follow these safety instructions when using the projector.

- If an error occurs in the projector or Touch Unit, turn off the power and unplug the projector and Touch Unit immediately. Continuing to use the projector or Touch Unit could result in an electric shock, fire, or visual impairment. Contact Epson support.
- Do not attempt to disassemble or modify the projector or Touch Unit. The projector contains a high-power laser component. Serious injury could result.
- Do not look into the lens during projection. Also, do not look into the lens using optical devices, such as a magnifying glass or telescope. This could cause visual impairment.
- When turning on the projector at a distance using the remote control, make sure no one is looking into the lens.
- Do not allow small children to operate the projector. Children must be accompanied by an adult.
- Do not apply optical devices, such as a magnifying glass or reflector, to the projected image. Using the projector may result in physical harm, fire, or an accident.
- Before using the projector, make sure there is nothing in the area that could reflect the projected image.
- When disposing of the projector, do not disassemble it. Dispose of the projector in accordance with your local or national laws and regulations.

Laser warning labels are attached to the projector in the following locations:

- Inside
• Side

CAUTION RISK GROUP 2

CAUTION: Possibly hazardous optical radiation emitted from this product.
ATTENTION: Rayonnement optique éventuellement dangereux émis par ce produit.
PRECAUCIÓN: Este producto emite una radiación óptica potencialmente peligrosa.

CAUTION

LASER RADIATION AVOID DIRECT EYE EXPOSURE
CLASS 3R LASER PRODUCT
RAYONNEMENT LASER ÉVITER LE CONTACT OCULAIRE DIRECT
APPAREIL À LASER DE CLASSE 3R
RADIACIÓN LASER. EVITE LA EXPOSICIÓN DIRECTA DE LOS OJOS
PRODUCTO LASER DE CLASE 3R

Maximum Output: 37.5mW
Wavelength: 450-460nm
Pulse Duration: CW

Complies with FDA performance standards for laser products except for deviation pursuant to Laser Notice No.50, dated June 24, 2007
Important Safety Instructions

Follow these safety instructions when setting up and using the projector:

• Do not look into the lens when the projector is on. The bright light can damage your eyes. Avoid standing in front of the projector so the bright light does not shine into your eyes.

• Do not place your hand or any object near the projection window. The high temperature of this area could cause burns, fire, or other damage.

• Do not place the projector on an unstable cart, stand, or table.

• Do not operate the projector on its side, or while tilted to one side. Do not tilt the projector more than 3° forward or back.

• If the projector is mounted on a ceiling or wall, it should be installed by qualified technicians using mounting hardware designed for use with this projector.

• When installing or adjusting a ceiling or wall mount, do not use adhesives to prevent the screws from loosening and do not use oils or lubricants. This may cause the projector case to crack and the projector to fall from its ceiling mount. This could cause serious injury to anyone under the mount and could damage the projector.

• Do not use the projector near water, sources of heat, high-voltage electrical wires, or sources of magnetic fields.

• Use the type of power source indicated on the projector. Use of a different power source may result in fire or electric shock. If you are not sure of the power available, consult your dealer or power company.

• Place the projector near a wall outlet where the plug can be easily unplugged.

• Take the following precautions when handling the plug: Do not hold the plug with wet hands. Do not insert the plug into a dusty outlet. Insert the plug firmly into the outlet. Do not pull the power cord when disconnecting the plug; always be sure to hold the plug when disconnecting it. Do not overload wall outlets, extension cords, or power strips. Failure to comply with these precautions could result in fire or electric shock.

• Do not place the projector where the cord can be walked on. This may result in fraying or damage to the plug.

• Unplug the projector from the wall outlet and allow to cool before cleaning. Use a dry cloth (or, for stubborn dirt or stains, a moist cloth that has been wrung dry) for cleaning. Do not use liquid or aerosol cleaners, any sprays containing flammable gas, or solvents such as alcohol, paint thinner, or benzine.

• Do not block the slots and openings in the projector case. They provide ventilation and prevent the projector from overheating. Do not operate the projector on a sofa, rug, or other soft surface, or set it
on top of loose papers. Do not cover the projector with a blanket, curtain, or tablecloth. If you are setting up the projector near a wall, leave at least 7.9 inches (20 cm) of space between the wall and the projector.

- Do not operate the projector in a closed-in cabinet unless proper ventilation is provided.
- Never allow objects of any kind to enter any openings in the projector. Do not leave objects, especially flammable objects, near the projector. Never spill liquid of any kind into the projector.
- If you are using two or more projectors side-by-side, leave at least 2 feet (60 cm) of space between the projectors to allow for proper ventilation.
- You may need to clean the air filter and vent. A clogged air filter or vent can block ventilation needed to cool the projector. Do not use canned air, or the gases may leave a residue.
- Do not store the projector outdoors for an extended length of time.
- Except as specifically explained in this manual, do not attempt to service this product yourself. Refer all servicing to qualified personnel. Opening or removing covers may expose you to dangerous voltages and other hazards.
- Never open any covers on the projector except as specifically explained in this manual. Never attempt to disassemble or modify the projector. Refer all repairs to qualified service personnel.
- Unplug the projector from the wall outlet and refer servicing to qualified service personnel under the following conditions: if it does not operate normally when you follow the operating instructions, or exhibits a distinct change in performance; if smoke, strange odors, or strange noises come from the projector; if the power cord or plug is damaged or frayed; if liquid or foreign objects get inside the projector, or if it has been exposed to rain or water; if it has been dropped or the housing has been damaged.
- Do not touch the plug during an electrical storm. Otherwise, you may receive an electric shock.
- Unplug the projector when it will not be used for extended periods.
- Do not use the projector where it may be exposed to rain, water, or excessive humidity.
- Do not use or store the projector where it may be exposed to smoke, steam, corrosive gases, excessive dust, vibration, or shock.
- Do not use the projector where flammable or explosive gases may be present.
- Do not use or store the projector or remote control in a hot location, such as near a heater, in direct sunlight, or in a closed vehicle.
- If you use the projector in a country other than where you purchased it, use the correct power cord for that country.
- Do not stand on the projector or place heavy objects on it.
• Do not use the projector outside of the required temperature range below:
  32 to 113 °F (0 to 45 °C)
  When using multiple projectors at the same time:
  32 to 104 °F (0 to 40 °C)
  Doing so may cause an unstable display and could lead to projector damage. Do not use or store the
  projector where it may be exposed to sudden changes in temperature.
• Do not store the projector outside of the required temperature range of 14 to 140 °F (–10 to 60 °C) or
  in direct sunlight for long periods of time. Doing so may cause damage to the case.
• Do not place anything that can become warped or damaged by heat near the exhaust vents. Do not
  bring your hands or face close to the vents while projection is in progress. Do not bring your face close
  to the projector while it is in use.
• Before you move the projector, make sure its power is turned off, the plug is disconnected from the
  outlet, and all cables are disconnected.
• Do not place the source of an open flame, such as a lit candle, on or near the projector.
• Do not block the lens during projection using a book or any other object. This could damage the
  projector or cause a fire.
• Do not modify the power cord. Do not place heavy objects on top of the power cord or bend, twist, or
  pull it excessively. Keep the power cord away from hot electrical appliances.
• Always lower the volume before turning off the projector. Turning on the projector with the volume too
  high can damage your ears.
• Do not store the interactive pens or the batteries in a hot location, such as near a heater, in direct
  sunlight, or in a closed vehicle.
• Remove the batteries from the interactive pens if you will not be using the pens for a long time.

Restriction of Use

Parent topic: Notices

Restriction of Use

When this product is used for applications requiring high reliability/safety such as transportation devices
related to aviation, rail, marine, automotive; disaster prevention devices; various safety devices; or
functional/precision devices, you should use this product only after giving consideration to including fail-
safes and redundancies into your design to maintain safety and total system reliability.

Because this product was not intended for use in applications requiring extremely high reliability/safety
such as aerospace equipment, main communication equipment, nuclear power control equipment, or
medical equipment related to direct medical care, please make your own judgment on this product's suitability after a full evaluation.

**Parent topic:** Important Safety Instructions

## List of Safety Symbols (corresponding to IEC60950-1 A2)

The following table lists the meaning of the safety symbols labeled on the equipment.

<table>
<thead>
<tr>
<th>No.</th>
<th>Symbol</th>
<th>Approved Standards</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><img src="image1" alt="Symbol" /></td>
<td>IEC60417 No.5007</td>
<td>&quot;ON&quot; (power) To indicate connection to the mains.</td>
</tr>
<tr>
<td>2</td>
<td><img src="image2" alt="Symbol" /></td>
<td>IEC60417 No.5008</td>
<td>&quot;OFF&quot; (power) To indicate disconnection from the mains.</td>
</tr>
<tr>
<td>3</td>
<td><img src="image3" alt="Symbol" /></td>
<td>IEC60417 No.5009</td>
<td>Stand-by To identify the switch or switch position by means of which part of the equipment is switched on in order to bring it into the stand-by condition.</td>
</tr>
<tr>
<td>4</td>
<td><img src="image4" alt="Symbol" /></td>
<td>ISO7000 No.0434B, IEC3864-B3.1</td>
<td>Caution To identify general caution when using the product.</td>
</tr>
<tr>
<td>5</td>
<td><img src="image5" alt="Symbol" /></td>
<td>IEC60417 No.5041</td>
<td>Caution, hot surface To indicate that the marked item can be hot and should not be touched without taking care.</td>
</tr>
<tr>
<td>6</td>
<td><img src="image6" alt="Symbol" /></td>
<td>IEC60417 No.6042 ISO3864-B3.6</td>
<td>Caution, risk of electric shock To identify equipment that has risk of electric shock.</td>
</tr>
<tr>
<td>No.</td>
<td>Symbol</td>
<td>Approved Standards</td>
<td>Description</td>
</tr>
<tr>
<td>-----</td>
<td>--------</td>
<td>--------------------</td>
<td>-------------</td>
</tr>
</tbody>
</table>
| 7   | ![symbol](image) | IEC60417 No.5957 | For indoor use only  
To identify electrical equipment designed primarily for indoor use. |
| 8   | ![symbol](image) | IEC60417 No.5926 | Polarity of DC power connector  
To identify the positive and negative connections (the polarity) on a piece of equipment to which a DC power supply may be connected. |
| 9   | ![symbol](image) | — | Polarity of DC power connector  
To identify the positive and negative connections (the polarity) on a piece of equipment to which a DC power supply may be connected. |
| 10  | ![symbol](image) | IEC60417 No.5001B | Battery, general  
On battery powered equipment. To identify a device for instance a cover for the battery compartment, or the connector terminals. |
| 11  | ![symbol](image) | IEC60417 No.5002 | Positioning of cell  
To identify the battery holder itself and to identify the positioning of the cell(s) inside the battery holder. |
| 12  | ![symbol](image) | — | Positioning of cell  
To identify the battery holder itself and to identify the positioning of the cell(s) inside the battery holder. |
<table>
<thead>
<tr>
<th>No.</th>
<th>Symbol</th>
<th>Approved Standards</th>
<th>Description</th>
</tr>
</thead>
</table>
| 13  | ![Protective earth symbol](https://example.com/protective-earth-symbol.png) | IEC60417 No.5019 | Protective earth  
To identify any terminal which is intended for connection to an external conductor for protection against electric shock in case of a fault, or the terminal of a protective earth electrode. |
| 14  | ![Earth symbol](https://example.com/earth-symbol.png) | IEC60417 No.5017 | Earth  
To identify an earth (ground) terminal in cases where neither the symbol No.13 is explicitly required. |
| 15  | ![Alternating current symbol](https://example.com/alternating-current-symbol.png) | IEC60417 No.5032 | Alternating current  
To indicate on the rating plate that the equipment is suitable for alternating current only; to identify relevant terminals. |
| 16  | ![Direct current symbol](https://example.com/direct-current-symbol.png) | IEC60417 No.5031 | Direct current  
To indicate on the rating plate that the equipment is suitable for direct current only; to identify relevant terminals. |
| 17  | ![Class II equipment symbol](https://example.com/class-ii-equipment-symbol.png) | IEC60417 No.5172 | Class II equipment  
To identify equipment meeting the safety requirements specified for Class II equipment according to IEC 61140. |
| 18  | ![General prohibition symbol](https://example.com/general-prohibition-symbol.png) | ISO 3864 | General prohibition  
To identify actions or operations that are prohibited. |
| 19  | ![Contact prohibition symbol](https://example.com/contact-prohibition-symbol.png) | ISO 3864 | Contact prohibition  
To indicate injury that could occur due to touching a specific part of the equipment. |
<table>
<thead>
<tr>
<th>No.</th>
<th>Symbol</th>
<th>Approved Standards</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td><img src="image1.png" alt="Symbol" /></td>
<td>—</td>
<td>Never look into the optical lens while the projector is on.</td>
</tr>
<tr>
<td>21</td>
<td><img src="image2.png" alt="Symbol" /></td>
<td>—</td>
<td>To indicate that the marked item don’t place anything on projector.</td>
</tr>
<tr>
<td>22</td>
<td><img src="image3.png" alt="Symbol" /></td>
<td>ISO3864, IEC60825-1</td>
<td>Caution, laser radiation To indicate the equipment has a laser radiation part.</td>
</tr>
<tr>
<td>23</td>
<td><img src="image4.png" alt="Symbol" /></td>
<td>ISO 3864</td>
<td>Disassembly prohibition To indicate a risk of injury, such as electric shock, if the equipment is disassembled.</td>
</tr>
<tr>
<td>24</td>
<td><img src="image5.png" alt="Symbol" /></td>
<td>IEC60417, No. 5266</td>
<td>Standby, partial standby To indicate that part of the equipment is in the ready status.</td>
</tr>
<tr>
<td>25</td>
<td><img src="image6.png" alt="Symbol" /></td>
<td>ISO3864, IEC60417, No. 5057</td>
<td>Caution, movable parts To indicate that you must keep away from movable parts according to protection standards.</td>
</tr>
</tbody>
</table>

**Parent topic:** Notices

**FCC Compliance Statement**

**For United States Users**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio and television reception, which
can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**WARNING**

The connection of a non-shielded equipment interface cable to this equipment will invalidate the FCC Certification or Declaration of this device and may cause interference levels which exceed the limits established by the FCC for this equipment. It is the responsibility of the user to obtain and use a shielded equipment interface cable with this device. If this equipment has more than one interface connector, do not leave cables connected to unused interfaces. Changes or modifications not expressly approved by the manufacturer could void the user’s authority to operate the equipment.

**For Canadian Users**

CAN ICES-3(B)/NMB-3(B)

Parent topic: Notices

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**Binding Arbitration and Class Waiver**

1. **DISPUTES, BINDING INDIVIDUAL ARBITRATION, AND WAIVER OF CLASS ACTIONS AND CLASS ARBITRATIONS**

1.1 **Disputes.** The terms of this Section 1 shall apply to all Disputes between you and Epson. The term "Dispute" is meant to have the broadest meaning permissible under law and includes any dispute, claim, controversy or action between you and Epson arising out of or relating to this Agreement, Epson branded products (hardware and including any related software), or other transaction involving you and Epson, whether in contract, warranty, misrepresentation, fraud, tort, intentional tort, statute, regulation, ordinance, or any other legal or equitable basis. "DISPUTE" DOES NOT INCLUDE IP CLAIMS, or more specifically, a claim or cause of action for (a) trademark infringement or dilution, (b) patent infringement, (c) copyright infringement or misuse, or (d) trade secret misappropriation (an "IP Claim"). You and Epson also agree, notwithstanding Section 1.6, that a court, not an arbitrator, may decide if a claim or cause of action is for an IP Claim.

1.2 **Binding Arbitration.** You and Epson agree that all Disputes shall be resolved by binding arbitration according to this Agreement. ARBITRATION MEANS THAT YOU WAIVE YOUR RIGHT TO A JUDGE OR JURY IN A COURT PROCEEDING AND YOUR GROUNDS FOR APPEAL ARE LIMITED. Pursuant to this Agreement, binding arbitration shall be administered by JAMS, a nationally recognized
arbitration authority, pursuant to its code of procedures then in effect for consumer related disputes, but excluding any rules that permit joinder or class actions in arbitration (for more detail on procedure, see Section 1.6 below). You and Epson understand and agree that (a) the Federal Arbitration Act (9 U.S.C. §1, et seq.) governs the interpretation and enforcement of this Section 1, (b) this Agreement memorializes a transaction in interstate commerce, and (c) this Section 1 shall survive termination of this Agreement.

1.3 Pre-Arbitration Steps and Notice. Before submitting a claim for arbitration, you and Epson agree to try, for sixty (60) days, to resolve any Dispute informally. If Epson and you do not reach an agreement to resolve the Dispute within the sixty (60) days, you or Epson may commence an arbitration. Notice to Epson must be addressed to: Epson America, Inc., ATTN: Legal Department, 3840 Kilroy Airport Way, Long Beach, CA 90806 (the "Epson Address"). The Dispute Notice to you will be sent to the most recent address Epson has in its records for you. For this reason, it is important to notify us if your address changes by emailing us at EAILegal@ea.epson.com or writing us at the Epson Address above. Notice of the Dispute shall include the sender's name, address and contact information, the facts giving rise to the Dispute, and the relief requested (the "Dispute Notice"). Following receipt of the Dispute Notice, Epson and you agree to act in good faith to resolve the Dispute before commencing arbitration.

1.4 Small Claims Court. Notwithstanding the foregoing, you may bring an individual action in the small claims court of your state or municipality if the action is within that court's jurisdiction and is pending only in that court.

1.5 WAIVER OF CLASS ACTIONS AND CLASS ARBITRATIONS. YOU AND EPSON AGREE THAT EACH PARTY MAY BRING DISPUTES AGAINST THE OTHER PARTY ONLY IN AN INDIVIDUAL CAPACITY, AND NOT AS A PLAINTIFF OR CLASS MEMBER IN ANY CLASS OR REPRESENTATIVE PROCEEDING, INCLUDING WITHOUT LIMITATION FEDERAL OR STATE CLASS ACTIONS, OR CLASS ARBITRATIONS. CLASS ACTION LAWSUITS, CLASS-WIDE ARBITRATIONS, PRIVATE ATTORNEY-GENERAL ACTIONS, AND ANY OTHER PROCEEDING WHERE SOMEONE ACTS IN A REPRESENTATIVE CAPACITY ARE NOT ALLOWED. ACCORDINGLY, UNDER THE ARBITRATION PROCEDURES OUTLINED IN THIS SECTION, AN ARBITRATOR SHALL NOT COMBINE OR CONSOLIDATE MORE THAN ONE PARTY'S CLAIMS WITHOUT THE WRITTEN CONSENT OF ALL AFFECTED PARTIES TO AN ARBITRATION PROCEEDING.

1.6 Arbitration Procedure. If you or Epson commences arbitration, the arbitration shall be governed by the rules of JAMS that are in effect when the arbitration is filed, excluding any rules that permit arbitration on a class or representative basis (the "JAMS Rules"), available at http://www.jamsadr.com or by calling 1-800-352-5267, and under the rules set forth in this Agreement. All Disputes shall be resolved by a single neutral arbitrator, and both parties shall have a reasonable opportunity to participate in the selection of the arbitrator. The arbitrator is bound by the terms of this Agreement. The arbitrator, and not any federal, state or local court or agency, shall have exclusive authority to resolve all disputes arising out of or relating to the interpretation, applicability, enforceability or formation of this Agreement, including any claim that all or any part of this Agreement is void or voidable. Notwithstanding this broad
delegation of authority to the arbitrator, a court may determine the limited question of whether a claim or cause of action is for an IP Claim, which is excluded from the definition of "Disputes" in Section 1.1 above. The arbitrator shall be empowered to grant whatever relief would be available in a court under law or in equity. The arbitrator may award you the same damages as a court could, and may award declaratory or injunctive relief only in favor of the individual party seeking relief and only to the extent necessary to provide relief warranted by that party's individual claim. In some instances, the costs of arbitration can exceed the costs of litigation and the right to discovery may be more limited in arbitration than in court. The arbitrator's award is binding and may be entered as a judgment in any court of competent jurisdiction.

You may choose to engage in arbitration hearings by telephone. Arbitration hearings not conducted by telephone shall take place in a location reasonably accessible from your primary residence, or in Orange County, California, at your option.

a) Initiation of Arbitration Proceeding. If either you or Epson decides to arbitrate a Dispute, both parties agree to the following procedure:

(i) Write a Demand for Arbitration. The demand must include a description of the Dispute and the amount of damages sought to be recovered. You can find a copy of a Demand for Arbitration at http://www.jamsadr.com ("Demand for Arbitration").

(ii) Send three copies of the Demand for Arbitration, plus the appropriate filing fee, to: JAMS, 500 North State College Blvd., Suite 600 Orange, CA 92868, U.S.A.

(iii) Send one copy of the Demand for Arbitration to the other party (same address as the Dispute Notice), or as otherwise agreed by the parties.

b) Hearing Format. During the arbitration, the amount of any settlement offer made shall not be disclosed to the arbitrator until after the arbitrator determines the amount, if any, to which you or Epson is entitled. The discovery or exchange of non-privileged information relevant to the Dispute may be allowed during the arbitration.

c) Arbitration Fees. Epson shall pay, or (if applicable) reimburse you for, all JAMS filings and arbitrator fees for any arbitration commenced (by you or Epson) pursuant to provisions of this Agreement.

d) Award in Your Favor. For Disputes in which you or Epson seeks $75,000 or less in damages exclusive of attorney's fees and costs, if the arbitrator's decision results in an award to you in an amount greater than Epson's last written offer, if any, to settle the Dispute, Epson will: (i) pay you $1,000 or the amount of the award, whichever is greater; (ii) pay you twice the amount of your reasonable attorney's fees, if any; and (iii) reimburse you for any expenses (including expert witness fees and costs) that your attorney reasonably accrues for investigating, preparing, and pursuing the Dispute in arbitration. Except as agreed upon by you and Epson in writing, the arbitrator shall determine the amount of fees, costs, and expenses to be paid by Epson pursuant to this Section 1.6d).

e) Attorney's Fees. Epson will not seek its attorney's fees and expenses for any arbitration commenced involving a Dispute under this Agreement. Your right to attorney's fees and expenses under Section
1.6d) above does not limit your rights to attorney’s fees and expenses under applicable law; notwithstanding the foregoing, the arbitrator may not award duplicative awards of attorney’s fees and expenses.

1.7 Opt-out. You may elect to opt-out (exclude yourself) from the final, binding, individual arbitration procedure and waiver of class and representative proceedings specified in this Agreement by sending a written letter to the Epson Address within thirty (30) days of your assent to this Agreement (including without limitation the purchase, download, installation of the Software or other applicable use of Epson Hardware, products and services) that specifies (i) your name, (ii) your mailing address, and (iii) your request to be excluded from the final, binding individual arbitration procedure and waiver of class and representative proceedings specified in this Section 1. In the event that you opt-out consistent with the procedure set forth above, all other terms shall continue to apply, including the requirement to provide notice prior to litigation.

1.8 Amendments to Section 1. Notwithstanding any provision in this Agreement to the contrary, you and Epson agree that if Epson makes any future amendments to the dispute resolution procedure and class action waiver provisions (other than a change to Epson’s address) in this Agreement, Epson will obtain your affirmative assent to the applicable amendment. If you do not affirmatively assent to the applicable amendment, you are agreeing that you will arbitrate any Dispute between the parties in accordance with the language of this Section 1 (or resolve disputes as provided for in Section 1.7, if you timely elected to opt-out when you first assented to this Agreement).

1.9 Severability. If any provision in this Section 1 is found to be unenforceable, that provision shall be severed with the remainder of this Agreement remaining in full force and effect. The foregoing shall not apply to the prohibition against class or representative actions as provided in Section 1.5. This means that if Section 1.5 is found to be unenforceable, the entire Section 1 (but only Section 1) shall be null and void.

Parent topic: Notices

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