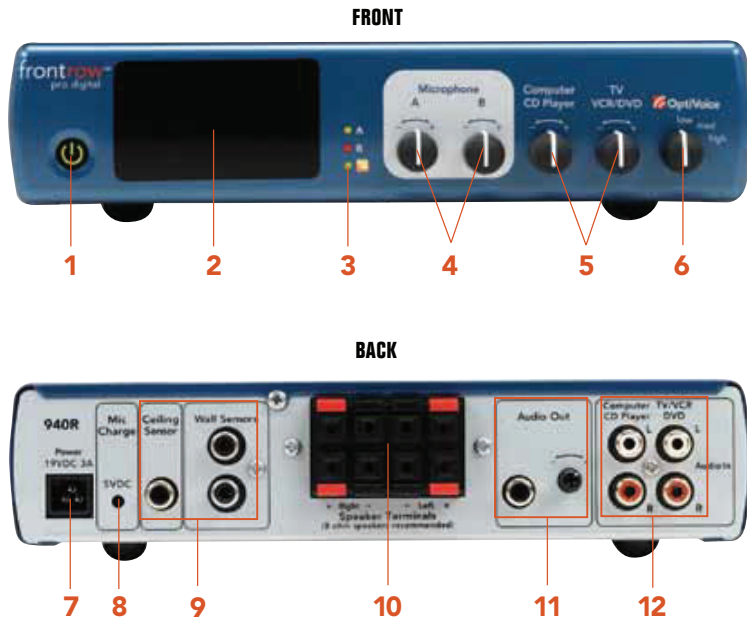


## PRO DIGITAL 940R RECEIVER/AMPLIFIER



### 1 One-Touch operation

Teachers need only turn on the mic to start teaching. The receiver automatically wakes up from its energy-saving sleep mode and goes to sleep when the mic is turned off.

### 2 Talk without dropout

Built-in sensor with advanced optics ensure consistent signal pick-up

### 3 Feedback suppression

The ADAPTO light reassures you it is automatically suppressing feedback – before it starts

### 4 Two channels for more dynamic teaching

Encourage student participation with a pass-around mic; or amplify two teachers at the same time

### 5 Easy audio control

Quickly and easily adjust the volume level of streaming audio and video content, CDs and MP3 files

### 6 Optimize speech clarity

OPTIVOICE, FrontRow's patented technology, is specially designed to emphasize critical speech sounds, so kids comprehend even more

### 7 Power jack

### 8 Easy recharging

Up to two transmitters can be charged directly from the receiver

### 9 External sensor ports

Get great signal pickup in almost any classroom with convenient ceilings or wall sensors

### 10 Simple speaker hook-up

Color-coded stereo push terminals make speaker connection quick and easy

### 11 Auxiliary output and volume control

Connect to computer to record all audio content for podcasting, or connect personal FM systems for the hearing impaired

### 12 Complete tech integration

Easily connect a computer or other technology to integrate true stereo audio into lessons



## SPECIFICATIONS

**Transmission type:** Infrared

**Receiving frequency:** 2.3MHz & 2.8MHz

**Frequency response:** 50Hz to 20kHz

**Signal-to-noise:** >65dB (system)

**THD:** <1% @ 1kHz into 8Ω

**Maximum audio output power:** 2 x 10w (8Ω), 2 x 20w (4Ω)

**Power supply:** 19VDC at 3.16A

**Size (wxhxd):** 21.5 x 4.75 x 19cm/8.5 x 1.75 x 7.5in

**Weight:** .94kg/2.11lbs

**Operating range:** 18.5m/60ft line-of-sight (typical)

**Reception area:** 139m<sup>2</sup>/1500ft<sup>2</sup> (typical) with ceiling sensor

## USER CONTROLS

- Power
- Microphone A volume
- Microphone B volume
- Two auxiliary audio volume
- OPTIVOICE™

## INPUTS/OUTPUTS

- Input power jack
- 1.3mm mic charge jack
- 3 RCA jacks for external sensor connection
- 4 quick-connect speaker terminals
- RCA aux out jack
- 2 RCA stereo aux in jacks (with stereo sound output)

## 940R ACCESSORIES



receiver power supply



AC power cord (for power supply)



transmitter charge cord aux-out cord



Aux-in cord



receiver wall mount

## 950H PASS-AROUND MICROPHONE AND DROP-IN CHARGER



### 950H MICROPHONE

#### 1 Fits kids' small hands

Less than 15cm/6in tall, this durable kid-sized mic is much easier for students to use

#### 2 Comfortable hands-free option

Easy, comfortable lavalier clip makes reading in front of class simple and lets the 950H double as a very lightweight teacher mic

#### 3 3-way indicator light

#### 4 On/off switch

#### 5 Smart charge security

SMARTCHARGE technology protects against charging incompatible batteries. Alkaline batteries may be used in an emergency, but the microphone will only charge the "silver-sleeve", auto-sensing battery that comes with your microphone.

#### 6 A/B channel and mic gain selectors

(inside battery compartment)

#### 7 Name plate

#### 8 Optional charge input jack

#### 9 Portable audio interface

A 3.5mm auxiliary input jack lets you use the transmitter/microphone to transmit audio from any secondary source, such as a TV, DVD, CD, computer, or MP3 player

### 950C CHARGER

#### 10 Energy efficient drop-in charging

Charges both the 940TM and 950H microphones neatly and securely. Powered by an ENERGY STAR® qualified battery charger.

#### 11 3-way charging indicator lights



Powered by an ENERGY STAR qualified battery charger for a better environment



### SPECIFICATIONS

**Transmission type:** infrared

**Transmitting frequency:** 2.3MHz & 2.8MHz (switchable)

**Battery type:** single AA, 2300mAh rechargeable NiMH

**Battery life:** minimum 5 hours

**Operating range:** 12.2m/40ft, line of sight (typical)

**Size (wxhxd) (mic):** 3.5 x 14.6 x 2.8 cm/1.4 x 5.7 x 1.1 in

**Weight (mic):** 74g/2.6oz (with battery)

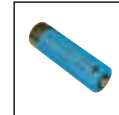
### USER CONTROLS (MIC)

- On/off
- Channel A/B
- Mic gain – 3 settings

### INPUTS/OUTPUTS (MIC)

- 3.5mm aux input, stereo summing
- 1.3mm DC charge jack

### 950H ACCESSORIES



SMARTCHARGE NiMH rechargeable battery



charger power supply



lavalier clip

## 940TM TRANSMITTER/MICROPHONE



#### 1 Totally wireless

Combination transmitter/microphone design eliminates the need for any cords

#### 2 Amazing sound quality

Patented dual-mic system ensures natural sound quality

#### 3 Maximum comfort

Efficient single-cell battery design is 25-40% lighter than competitor models

#### 4 A/B channel selector

Conveniently switch between microphone channels

#### 5 Portable audio interface

A 3.5mm auxiliary input jack lets you use the transmitter/microphone to transmit audio from any secondary source, such as a TV, DVD, CD, computer, or MP3 player

#### 6 Audio mute switch

A convenient mute switch allows for private conversations

#### 7 Auxiliary microphone input

For teachers who prefer boom mics

#### 8 smart charge security

SMARTCHARGE technology protects against charging incompatible batteries. Alkaline batteries may be used in an emergency, but the microphone will only charge the "silver-sleeve", auto-sensing battery that comes with your microphone.

#### 9 4-way indicator light

#### 10 On/off switch



### SPECIFICATIONS

**Transmission type:** Infrared

**Transmitting frequency:** 2.3MHz & 2.8MHz (switchable)

**Frequency response:** 100Hz – 6kHz

**Microphones:** dual uni-directional cardioid

**Battery life:** minimum 8 hours

**Battery type:** single AA, 2300mAh rechargeable NiMH

**Operating range:** 18.5m/60ft line-of-sight (typical)

**Size (wxhxd):** 11 x 6 x 2.5 cm/4.5 x 2.5 x 0.9 in

**Weight:** 85g/3.0oz (with battery)

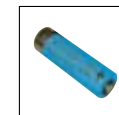
### USER CONTROLS

- On/off
- mute
- channel A/B

### INPUTS/OUTPUTS

- 2.5mm mic input
- 3.5mm aux input
- 1.3mm DC charge jack

### 940TM ACCESSORIES



SMARTCHARGE NiMH rechargeable battery



aux-in cable



boom mic

## IR SPEAKER



### 1 Integrated sensor

Provides extremely robust IR coverage throughout the classroom

### 2 Two 4" woofers, one 1" tweeter

Each cluster gives full range sound quality and twice the coverage of a single speaker

### 3 Cut installation time in half

Install only two IR speakers per classroom – same coverage as four speakers and two sensors with half the labor



## SPEAKER SPECIFICATIONS

**Speaker type:** Two 10cm/4in woofers; 2.5cm/1in tweeter

**Impedance:** 4Ω nominal

**Continuous power:** 20W

**Peak power:** 30W

**Frequency response:** 150Hz to 20kHz

**Dimensions (wxhxd):** 355x130x230mm/14x5x9in

**Weight:** 3.4kg/7.5lbs

**Mounting:** Wall mounting brackets provided

**Combo cable incorporates:**

**Speaker wire:** 18 AWG 2 conductor UL listed CL3P Plenum-rated

**Sensor wire:** 15.25m/50ft RG58/u coaxial cable CL3P shielded, UL listed Plenum rated jacket available

## SENSOR SPECIFICATIONS

**Operating frequency:** 2.3MHz & 2.8MHz

**Operating range:** 18.5m/60ft line-of-sight (typical)

**Signal/Power interface:** RCA female jack

**Number of IR photodiodes:** 3

**Power indicator LED:** Green

**Reception area:** 139m<sup>2</sup>/1500ft<sup>2</sup> (typical with receiver sensors)



## DISTRIBUTED CEILING SPEAKER (REQUIRES SEPARATE SENSORS)



- Full range for faithful reproduction of voice and music
- Great sound coverage
- Separate back enclosure, designed for plenum spaces, prevents sound from traveling to other classrooms
- Mounts flush with ceiling for neat installation



## SPECIFICATIONS

**Speaker type:** coaxial: 10cm/6.5in woofer, 2.5cm/1in tweeter

**Impedance:** 8Ω nominal

**Continuous power:** 30W

**Peak power:** 45W

**Frequency response:** 60Hz to 20kHz

**Dimensions (Dia x d):** 21.7 x 7 cm / 8.5 x 2.75 in

**Weight:** 1.1kg/2.5lbs

**Mounting:** Metal tile bridge, steel back enclosure, built for Plenum spaces

**Speaker wire:** 18 AWG 2 conductor UL listed CL3P Plenum-rated

## SENSORS (NOT NEEDED WITH IR SPEAKER)

### CEILING SENSOR



- Easy-to-install bracket allows quick and easy installation
- LED power indicator lets you know when unit is connected properly
- 360 degree 'full-sweep' signal coverage helps prevent signal dropout



## SPECIFICATIONS

**Operating frequency:** 2.3MHz & 2.8MHz

**Operating range:** 18.5m/60ft line-of-sight (typical)

**Signal/Power interface:** RCA-female jack, 8" lead

**Number of IR photodiodes:** 6

**Power indicator LED:** Green

**Reception area:** 139m<sup>2</sup>/1500ft<sup>2</sup> (typical with receiver sensors)

**Dimensions (Dia x h):** 13.5 x 3.3 cm / 5.1 x 1.3 in

**Weight:** 224g/7.9oz (with bracket)

**Mounting:** Drop ceiling acoustic tile or sheetrock ceiling

**Sensor wire:** 15.25m/50ft RG59/u coaxial cable CL2P double shielded, UL listed Plenum rated jacket available

### WALL SENSOR



- Easy-to-install bracket allows proper angling for optimum room coverage
- LED power indicator lets you know when unit is connected properly
- Great for covering rooms with high ceilings, hanging student art, projector mounts, or other challenging obstructions
- Corner-compatible mounting bracket



## SPECIFICATIONS

**Operating frequency:** 2.3MHz & 2.8MHz

**Operating range:** 18.5m/60ft line-of-sight (typical)

**Signal/Power interface:** RCA-female jack

**Number of IR photodiodes:** 3

**Power indicator LED:** Green

**Reception area:** 139m<sup>2</sup>/1500ft<sup>2</sup> (with 2 wall sensors)

**Dimensions (wxhxd):** 7.5 x 3.9 x 6.0 cm / 2.9 x 1.5 x 2.4 in

**Weight:** 80g/2.5oz

**Mounting:** Wall mount bracket provided

**Sensor wire:** Two 15.25m/50ft RG59/u coaxial cables CL2P double shielded, UL listed Plenum rated jacket available