

DESCRIPTION

Infrared wireless sound system built on a digital platform designed to evenly distribute the voices of the teacher, individual students and multimedia audio throughout the classroom, ensuring clear communication no matter where children sit

APPLICATION & BENEFITS

Increase speech intelligibility in general education classrooms to foster a successful learning environment. Increase student comprehension, attentiveness, participation and test scores, while significantly reducing behavior referrals. Significantly enhance ESL instruction and pre-reading exercises in phonemic awareness. Significantly increase teacher vocal comfort and reduce teacher absenteeism due to vocal fatigue

KEY FEATURES

- Powerful ADAPTO® digital platform optimizes sound quality, power use and suppresses feedback before it starts
- Standby mode uses 73% less energy than comparable analog systems and allows "one-touch" operation
- Auxiliary audio inputs and output allow for seamless integration with other audio-visual equipment and enables Podcasting

RECEIVER

- ADAPTO® digital platform
- One-touch operation
- 2 microphone channels
- 2 stereo aux-inputs
- 1 mono aux-output
- Integrated infrared sensor
- OPTIVOICE enabled
- ENERGY STAR® qualified
- Lead-free construction

PENDANT MICROPHONE

- Lightweight and comfortable
- Excellent sound quality
- Easy-to-reach mute button
- 2 integrated directional mics
- 2 channel (switchable) IR transmitter
- SMARTCHARGE, failsafe charging
- Lead-free construction

TYPICAL PACKAGE

- Receiver
- Pendant microphone
- Wall/ceiling sensors
- Four wall/ceiling speakers
- Optional student pass-mic

specifications:

frontrow™

pro digital

infrared active learning system



Adaptive intelligence makes FRONTROW PRO DIGITAL the most time-saving, energy-saving, hassle-free way to improve learning in every classroom

Technology for the sake of teaching



Digital intelligence. Faster than the speed of thought — a blistering 500 times per second on the VC5502™ processor by TEXAS INSTRUMENTS — the ADAPTO platform automatically adjusts sound quality, power usage, and other complex details. ADAPTO adapts so teachers can teach.



OptiVoice™ clarity. A powerful tool for test-taking, directions, and ELL instruction. Fragile consonant sounds carry about 75% of the meaning in speech but are easily destroyed by background noise. OPTIVOICE strengthens these critical sounds, doing the work of a 12-band equalizer with a single switch.



SmartCharge™ peace of mind. The greatest killer of electronics is accidental recharging of alkaline batteries. SMARTCHARGE technology only charges batteries that are safe to charge — protecting your investment for years to come.



ENERGY STAR saves money (and maybe the planet). Products that earn the ENERGY STAR® — strict energy efficiency standards set by the US Government — use up to 50% less energy.



Earth-friendly design. FrontRow's design and manufacturing practices keep lead, mercury, PBDE and other toxins out of its products — and out of the environment.



940R RECEIVER

one-touch operation

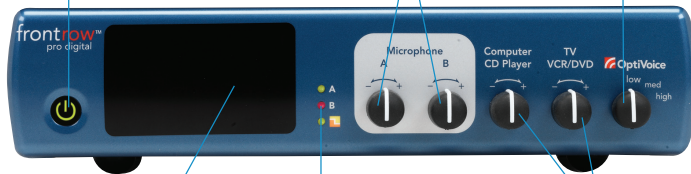
Teachers need only turn on the mic to start teaching. The receiver automatically wakes up from its energy-saving sleep mode and goes to sleep when the mic is turned off.

two channels for more dynamic teaching

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

optimize speech clarity

OPTIVOICE is specially designed to emphasize critical speech sounds, so kids comprehend even more



talk without dropout

Three built-in sensors with advanced optics ensure consistent signal pick-up

feedback suppression

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

easy audio control

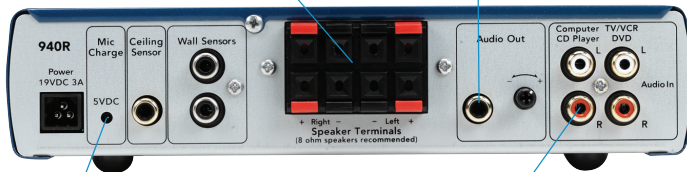
Quickly and easily adjust the volume level of streaming audio and video content, TV/DVD/VCR, CD's and MP3 files.

simple speaker hook-up

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

auxiliary output

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



easy recharging

Up to two transmitters can be charged directly from the receiver

complete tech integration

Easily connect a computer, TV/DVD/VCR or other technology to integrate true stereo audio into your lessons.



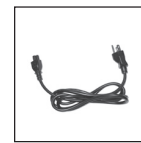
SPECIFICATIONS

- Transmission type: Infrared
- Receiving frequency: 2.3MHz & 2.8MHz
- Frequency response: 50Hz to 10kHz
- Signal-to-noise: >65dB (system)
- TDH: <1% @ 1kHz into 8Ω
- Speakers: 8Ω
- Maximum audio output power: 2 x 10w (8Ω), 2 x 20w (4Ω)
- Power supply: 19VAC at 3.16A
- Size (wxdxh): 21.5 x 23.5 x 2.25cm/8.5 x 8.3 x 1.75in
- Weight: .94kg/2.1 lbs
- Operating range: 18.5m/60ft line-of-sight (typical)
- Reception area: 163m²/1225ft² (typical)
- 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



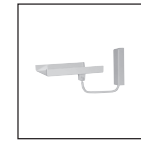
AC power cord (for power supply)



transmitter charge cord aux-out cord

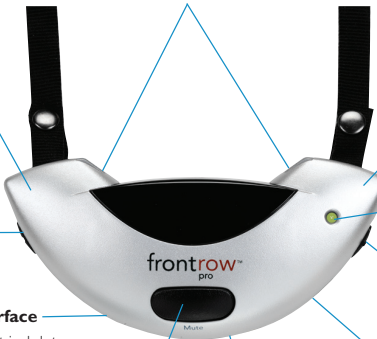


RCA/RCA Aux-in cord
RCA/3.5mm Aux-in cord



receiver wall mount

940TM TRANSMITTER/MICROPHONE



totally wireless
Combination transmitter/microphone design eliminates the need for any cords

amazing sound quality
Dual-mic system ensures natural sound quality (patent pending)

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

4-way indicator light

on/off switch

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.

auxiliary microphone input
For teachers who prefer boom mics

audio mute switch
A convenient mute switch allows for private conversations

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 or computer

A/B channel selector

frontrow pro



SPECIFICATIONS

Transmission type: Infrared
 Transmitting frequency: 2.3MHz & 2.8MHz (switchable)
 Microphones: dual uni-directional cardioid
 Battery life: minimum 8 hours
 Battery type: single AA, 2500mAH 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

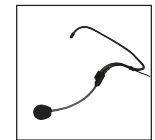
940TM ACCESSORIES



SMARTCHARGE NiMH rechargeable battery



aux-in cable



boom mic

940H TRANSMITTER



on/off switch

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.

Microphone B

frontrow pro

Microphone A



SPECIFICATIONS

Transmission type: Infrared
 Transmitting frequency: 2.8MHz
 Frequency response: 50Hz to 16kHz
 Operating range: 40ft (12m)
 Batteries: 1 NiMH rechargeable battery
 Size: 9.5 x 2.25 x 2.25 in. (24 x 5.5 x 5.5 cm)
 Weight: 11oz (312g)
 User controls: on/off

940H ACCESSORIES



SMARTCHARGE NiMH rechargeable battery



charger power supply

CEILING SENSOR

power indicator

Green LED power indicator lets you know when unit is connected properly

easy-to-install bracket

Unique twist-on bracket design allows quick and easy installation; no need to make any holes in acoustic tile drop ceiling



360 degree 'full-sweep' signal coverage

Semi-spherical reception means you can install the ceiling sensor without worries about dropout



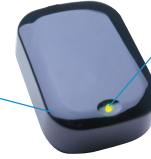
SPECIFICATIONS

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 LEDs: 6
 Power indicator LED: Green
 Reception area: 232m²/2500ft² (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: 22 AWG CL3P shielded with DR wire, UL listed Plenum rated jacket

WALL SENSOR

easy-to-install bracket

Custom bracket allows quick and easy installation and proper angling for optimum room coverage



power indicator

Green LED power indicator lets you know when unit is connected properly



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 LEDs: 2
 Power indicator LED: Green
 Dimensions (wx+xD): 7.9 x 5.1 x 3.0 cm/3.1 x 2.0 x 1.2 in
 Weight: 82g/2.9oz
 Mounting: wall mount bracket provided
 Sensor wire: 22 AWG CL3P shielded with DR wire, UL listed Plenum rated jacket

SENSOR ACCESSORIES



IR sensor cable, 15m/50ft

COMPACT WALL SPEAKER



versatile

Exceptional, natural sound quality for both speech and music

full range

Wide, smooth frequency response (65Hz-20kHz @ -10dB) for faithful reproduction of voice and music

drop & click bracket



easy mounting and completely adjustable

A rotating ball joint allows for customized speaker positioning

SPECIFICATIONS

Speaker type: Bass reflex; 8.9cm/3.5in woofer; 2.5cm/1in soft-dome tweeter
 Impedance: 8Ω nominal
 Continuous power: 30W
 Peak power: 80W
 Frequency response: 65Hz to 20kHz -10dB
 Dimensions (wx+xD): 2.7 x 22.2 x 14cm/ 5 x 8.75 x 5.5 in
 Weight: 1.75kg/3.86lbs
 Mounting: wall mounting brackets provided
 Speaker wire: UL listed CL3P Plenum-rated

SPEAKER ACCESSORIES



speaker wire
 2 @ 14.6m/48ft
 2 @ 18.3m/60ft

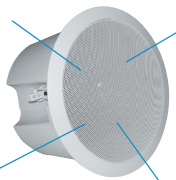
DISTRIBUTED CEILING SPEAKER

great sound dispersion

Offers exceptionally even sound coverage

a seamless solution

Mounts flush with ceiling tiles for a neat, elegant installation



full range

Wide, smooth frequency response (65Hz-20kHz @ -10dB) for faithful reproduction of voice and music

sound stays in your room

Enclosed baffle prevents sound from traveling through plenum to other classrooms

SPECIFICATIONS

Speaker type: coaxial: 6in woofer, .5in tweeter
 Impedance: 8Ω nominal
 Continuous power: 35W
 Peak power: 70W
 Frequency response: 65Hz to 20kHz
 Dimensions (DIA x D): 203 x 5.7 cm/9 x 2.25 in
 Weight: 1.1kg/2.4lbs
 Mounting: metal tile bridge
 Speaker wire: UL listed CL3P Plenum-rated

SPEAKER ACCESSORIES



speaker wire
 2 @ 14.6m/48ft
 2 @ 18.3m/60ft