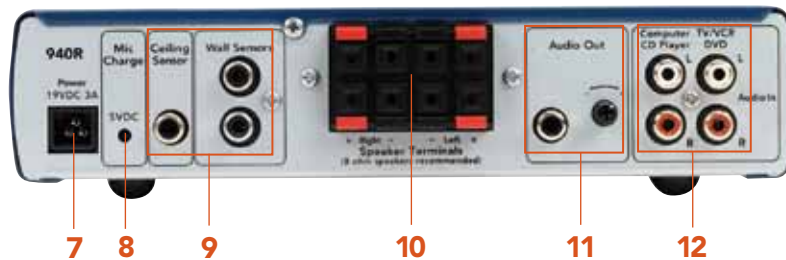


PRO DIGITAL 940R RECEIVER/AMPLIFIER

FRONT



BACK



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: 139m²/1500ft² (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)

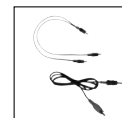
940R ACCESSORIES



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



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

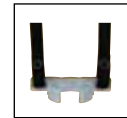
950H ACCESSORIES



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)

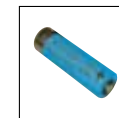
USER CONTROLS

- 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: 139m²/1500ft² (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: 139m²/1500ft² (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: 139m²/1500ft² (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

Product Specifications

learning systems

Which system fits your needs?

Juno

Capture & share content more easily



Pro Digital

Digital voice clarity



Lasso

Analog audio workhorse



ToGo

Portable audio anywhere



Flipped Classrooms & Digital Content				
Automatic Lesson Capture & Sharing	Yes	No	No	No
Class2Class™ Distance Learning Support	Yes	No	No	No
Adapto™ Digital Feedback Suppression	Yes	Yes	No	No
Voice Command	Yes	No	No	No
Installed Amplification (Emphasizing Voice Clarity)				
OptiVoice™ Speech Clarification	Yes	Yes	No	Yes
PrioriTeach™ Teacher Voice Priority	Yes	No	No	No
Integrated Infrared Sensor	Yes	Yes	No	N/A
Installed Amplification (Emphasizing Media Clarity)				
Audio Inputs	4	2	4	1
Speaker Expansion Module	Yes	No	No	No
Rack Mountable	No	No	Yes	No
Audio Output (PFM/Podcasting)	1	1	1	1
Stereo Sound	Yes	Yes	Yes	No
Installation-Free & Portable Voice Amplification				
Indoor Use	Yes	Yes	Yes	Yes
Outdoor Use (not weatherproof)	No	No	No	Yes
Integrated Speaker Line Array	Yes	No	No	Yes
Battery Power Option	No	No	No	Yes
Installation-Free	Yes	No	No	Yes
Carry-Case Available	No	No	No	Yes
Features				
Number of Systems per School	Unlimited	Unlimited	Unlimited	16*
Energy savings	Yes	Yes**	ENERGY STAR®	No
Directly Compatible with	PFM devices (rebroadcast)	Mics used in Lasso, Symbio; PFM devices (rebroadcast)	Mics used in Pro Digital, Symbio; PFM devices (rebroadcast)	PFM devices (direct transmission, rebroadcast)
One-touch Operation	Yes	Yes	Yes	No
Touch-Screen Interface	Yes	No	No	No
Lead Free/RoHS Compliance	Yes	Yes	Yes	Yes
SmartCharge Fail Safe Battery System	N/A (Li-Ion)	Yes	Yes	Yes
Simultaneous Microphone Channels	5	2	2	2
Microphone Channel Choices	7	2	2	16
External Sensor Inputs	2	3	3	N/A
Optional Student Microphone	Yes	Yes	Yes	Yes
Transmission Technology	Infrared	Infrared	Infrared	FM
Platform	Digital	Digital	Analog	Analog
Warranty	5 Years	5 Years	5 Years	5 Years

*More systems possible with channel separation

**ENERGY STAR qualified

LOCATIONS

Australia

Phonic Ear
629 Nudgee Road
Nundah QLD 4012
Australia
Freecall: 1 800 PHONIC
fax: 1300 746 642
web: www.gofrontrow.com.au

Canada

FrontRow
6950 Creditview Road, Unit 1
Mississauga, ON L5N 0A6
toll-free: 800.340.9894
tel: 905.461.5300
fax: 905.677.7760
web: www.gofrontrow.com

Scandinavia

Phonic Ear A/S
Kongebakken 9
2765 Smørum
Denmark
tel: +45 3917 7101
fax: +45 3927 7900
web: www.gofrontrow.com
www.phonicear.com

New Zealand

Oticon New Zealand Ltd.
142 Lambton Quay
P.O. Box 9128
Te Aro, Wellington
toll-free: 800 OTICON
toll-free fax: 00800 FAX OTICON
web: www.oticon.co.nz

United Kingdom

PC Werth Limited (UK Distributor)
Audiology House
45 Nightingale Lane
London SW12 8SP
tel: 020 8772 2700
web: www.soundfield.info

USA/Global

FrontRow
Corporate Headquarters
1690 Corporate Circle
Petaluma, CA 94954-6712
toll-free: 800.227.0735
tel: 707.769.1110
fax: 707.769.9624
web: www.gofrontrow.com



TECHNOLOGY FOR STUDENT ACHIEVEMENT



Lesson Capture. Using simple voice commands, Juno and the lesson capture software record screen and audio then automatically title and prepare recordings for upload so students can review the video at night.



Class2Class. Using FrontRow with tools like Skype™ and Adobe® Connect™, you can easily set up a real-time audio/video connection between your class and any location — one that's clearly heard by everyone without echo.



PrioriTeach. PrioriTeach gives priority to the teacher microphone by reducing the volume of all other devices and microphones when the teacher microphone is used. Control how quickly and to what level the volume is reduced, how quickly the audio resumes, or turn the feature on and off.



VoiceChoice. Increase talk time or expand coverage for very large rooms with a quick software adjustment.



Adapto Digital Platform. Faster than the speed of thought — a blistering 375 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.



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.



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.



OptiVoice™ clarity. FrontRow's patented, 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.



Save money (and maybe the planet). FrontRow products use significantly less energy — up to 63% less — than other systems. They're a smart choice for schools and the environment.

