

frontrow™ pro digital



USER GUIDE

940R Receiver

ITM-02L Pendant Microphone


ISM-02L Pass-Around Microphone

IMC-01 Microphone Charger

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IMPORTANT SAFETY INSTRUCTIONS

1. The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
2. Read these instructions.
3. Keep these instructions.
4. Heed all warnings.
5. Follow all instructions.
6. Do not use this apparatus near water.
7. Clean only with dry cloth.
8. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
9. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
10. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
11. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
12. Only use attachments/accessories specified by the manufacturer.
13. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
14. Unplug this apparatus during lightning storms or when unused for long periods of time.
15. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
16. Do not use batteries that have been dropped or otherwise damaged.



The FrontRow Pro Digital is manufactured to conform to the most stringent European guidelines for consumer products (RoHS) – it is produced using a process free of lead and other materials harmful to the environment.



The FrontRow Pro Digital is listed with Educational Underwriters, a non-profit organization committed to serving educators seeking to meet No Child Left Behind (NCLB) requirements and to establishing best practices in education. EdU reviews the research behind educational programs and products to verify that they meet NCLB requirements and high educational standards. For additional information regarding Educational Underwriters, go to www.educationalunderwriters.org.



The FrontRow Pro Digital System conforms to the stringent electrical safety standards set by Underwriters Laboratory (UL).



Your 940TM Pendant Microphone, 950H Pass-Around Microphone, and 950C Charger use SmartCharge technology. The microphone will only charge the "silver-sleeve", auto-sensing battery that comes with our microphone. If an incompatible battery is detected, the microphone will not let you charge the battery. This prevents accidental damage.

You may use standard alkaline batteries in your microphones if you forget to charge them, but do not attempt to charge alkaline batteries separately. To ensure proper charging, always be sure that only "silver sleeve" auto-sensing batteries are installed.

ELECTRICAL WARNINGS

1. Avoid Abuse to the Power Supply

To reduce risk of electric shock, unplug the power supply from outlet before attempting any maintenance or cleaning. Turn off controls will not reduce this risk.

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

DO NOT disassemble the power supply. Return the apparatus to Phonic Ear FrontRow for qualified service and repair if service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.

DO NOT expose the power supply to rain, snow, water, gas, oil, etc.

DO NOT operate the power supply if it has received a sharp blow, been dropped, or otherwise damaged in any way; return the apparatus to Phonic Ear FrontRow for qualified service and repair.

DO NOT block or cover the apparatus and impede ventilation.

DO NOT expose batteries (battery pack or batteries installed) to excessive heat such as sunshine, fire, or the like.

2. Proper Use of the Power Supply and Wiring

An extension cord should not be used unless absolutely necessary. Use of improper extension cord could result in a risk of fire and electric shock. The cord **MUST** be plugged into a grounded outlet. Make sure it is properly wired, in good electrical condition, and wire size is large enough for AC ampere rating of the power supply or charger as specified below. AWG = American Wire Gauge.

To reduce risk of damage to plug and cord when disconnecting the power supply or charger, **ALWAYS** pull on plug - **NEVER** on cord.

Locate cord so that it will not be stepped on, tripped over, or otherwise subject to damage or stress. **DO NOT** lay extension cord on charger.

DO NOT operate the power supply with damaged cord or plug - replace them immediately.

ELECTRICAL SAFETY INFORMATION:



PRECAUTIONS & SAFETY RECOMMENDATIONS

Follow Manufacturers' Recommendations

Before using the receiver and power supply, read all instructions for, and caution markings on the receiver and power supply and in this user guide.

ITM-02L Pendant Microphone

Features

1 Amazing Sound Quality

With FrontRow's digital synthesis technology, the ITM-02L uses a single cardioid microphone element to deliver superb pickup and audio quality. And combined with a high-isolation, low- noise, open air microphone suspension, the ITM-02L minimizes noise from friction against clothing, buttons or jewelry.

2 Mute Indicator

OFF/STANDBYUn-muted
SOLID REDMuted

3 Power Indicator

SOLID GREENPower On
OFFStandby

4 Smart Button

Controls all of the features of the Pendant Microphone. Tap the button to mute.

When the Pendant Microphone is in standby mode:
PRESS MOMENTARILY.Awaken

When the Pendant Microphone is active:
PRESS MOMENTARILY.Mute / Un-mute

5 Superior Comfort

Lightweight (just 73.7g/2.6oz) with soft backing that provides comfort and reduces friction noise from contact with clothing, buttons or jewelry.

6 Battery Indicator

In Use

OFF Battery Charged
FLASHING RED Battery Low

When Charging

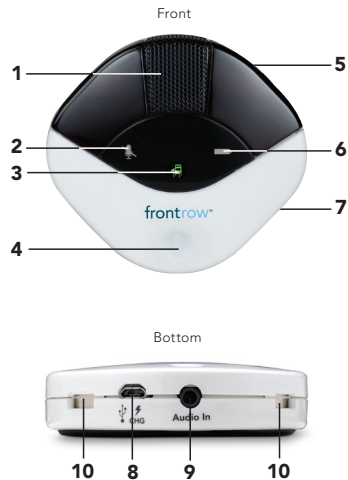
SOLID REDCharging
SOLID GREENFully Charged
FLASHING RED/GREEN Charge fault

7 Lithium Ion Battery

3-year life expectancy, lightweight, rechargeable lithium ion battery.

8 Charging / Programming Jack

For charging via USB cable or for configuring settings using the FrontRow Microphone Settings application.



9 Portable Audio Interface

3.5mm audio input jack lets you use the Pendant Microphone to transmit audio wirelessly from any secondary audio source such as a computer or MP3 player.

10 Charge Contacts

For use with the optional IMC-01 microphone charger.

11 Adjustable power

Adjust the power to increase either battery life or range.

12 Programmable channels

Program the switch positions to 2 of 5 available channels.

ISM-02L Pass-Around Microphone

Features

1 Amazing Sound Quality

With FrontRow's ClearVoice™ digital synthesis technology, the ISM-02L uses a single cardioid microphone element to deliver superb pick up and audio quality. And combined with a high isolation, low noise, open air microphone suspension – the ISM-02L minimizes handling noise.

2 360° Emitter Diodes

360° emitter diodes let students hold the Pass-Around Microphone the way it's most comfortable for them without worry of dropout.

3 Power Indicator

SOLID GREEN Power On
OFF Power Off

4 Battery Indicator

In Use

OFF Battery Charged
FLASHING RED Battery Low

When Charging

SOLID RED Charging
SOLID GREEN Fully Charged
FLASHING RED/GREEN Charge fault

5 Small and Lightweight

At less than 15cm/6in tall and just 73.7g/2.6oz the microphone is much easier for even young students to use than a standard-sized mic.

6 Power/Push-to-talk Switch

The push-to-talk option makes transitions when passing the microphone between students easier (e.g. no need to take time from the conversation to turn the mic on and off during transition).

PRESS AND HOLD..... Push-to-talk
PRESS AND SLIDE UP..... Power On

7 Name Plate

Perfect for adding a name or room number for easy identification.

8 Lithium Ion Battery

3-year life expectancy, lightweight, rechargeable lithium ion battery.



9 Charging/Programming Jack

For charging via USB cable or for configuring settings using the FrontRow Microphone Settings application.

10 Portable Audio Interface

3.5mm audio input jack lets you use the Pass-Around Microphone to transmit audio from any secondary audio source such as a computer or MP3 player.

11 Charge Contacts

For use with the optional IMC-01 microphone charger.

12 Comfortable Hands Free Option

Easy, comfortable lavalier clip makes reading in front of class simple and lets the Pass-Around Microphone double as a lightweight teacher microphone.

13 Adjustable power

Adjust the power to increase either battery life or range.

14 Programmable channels

Program the switch positions to 2 of 5 available channels.

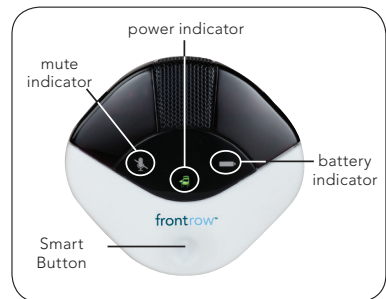
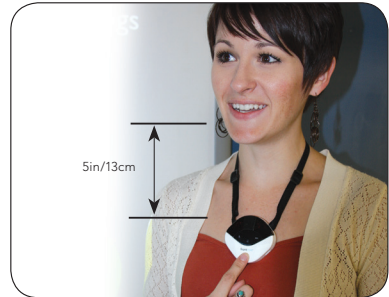
ITM-02L Pendant Microphone

Using

1. Place the microphone around your neck and connect clasp.
2. Adjust the neck straps to position the microphone approximately 5in (13cm) from your mouth.
3. Press the Smart Button to wake the microphone. The power indicator should be green.

NOTE: Your microphone will go into stand-by mode (off) automatically after 10 minutes in mute mode or 10 minutes of silence. Press the Smart Button to wake it.

4. Momentarily press the Smart Button to mute as needed for private conversations. Mute indicator light will turn red.
5. When the battery in your microphone gets low, the battery indicator will flash red.
6. At the end of the day, charge your microphone.



Battery

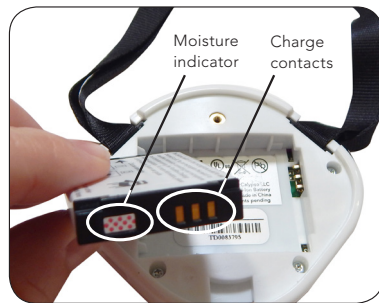
Installing the battery

1. Unscrew the battery door on the back of the microphone using the supplied Phillips screwdriver.
2. Locate the charge contacts on the battery and on the microphone.
3. Insert the battery into the compartment - battery contacts first, then push the battery into place.
4. Replace the battery door.
5. For best performance, charge the battery in the microphone overnight before initial use.

Battery Safety

Warning: To reduce risk of fire or burns:

- Do not use batteries that have been dropped or otherwise damaged.
- Do not attempt to open, disassemble or service the battery pack.
- Do not crush, puncture or short external contacts or dispose of in fire or water.
- Do not use the battery if exposed to moisture. When exposed to moisture, the red checked pattern next to the charge contacts will disappear.
- Do not expose to temperatures above 40°C (104°F)
- Replace only with the battery pack designed for this product.
- Batteries shall not be exposed to excessive heat such as sunshine, fire or the like, or excessive cold.



Charging

Charge your battery in one of three ways:

- IMC-01 universal microphone charger (optional).
- USB cable connected to your computer's USB port*.
- USB cable connected to a USB to AC power adapter.

***NOTE - When charging from a computer USB port:**

If using a laptop on battery power and the battery is low, the ITM-02L microphone will not charge. We recommend that you always have your laptop plugged in to a power source when attempting to charge or program your microphone.

The ITM-02L microphone will not charge from a low-power USB port. If you are having trouble charging from a USB port on a computer that is plugged in to a power source, try using a different USB port on your computer.

The ITM-02L microphone will not charge unless you have first installed the software drivers as part of the FrontRow Desktop, Teacher Edition or Microphone Settings software application. To download the application, visit **gofrontrow.com/guides-resources**.

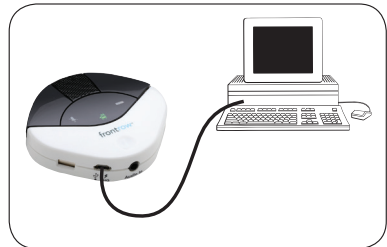
IMPORTANT! To maintain proper charging when using the IMC-01 universal microphone charger, occasionally clean the charge contacts on the bottom of the microphone using a cotton swab dipped in rubbing alcohol.

IMPORTANT! To ensure top performance and avoid equipment damage, batteries should be charged at room temperature.

IMPORTANT! To ensure top performance, FrontRow recommends replacing rechargeable batteries every three years.

IMPORTANT! Store the battery properly if it will be unused for a period of more than 2 weeks.

1. Charge the battery in the microphone for at least 2 hours.
2. Remove battery from microphone, place it in its own bag or envelope and store in a cool dry place.
3. Recharge battery before next use.



ISM-02L Pass-Around Microphone

Using

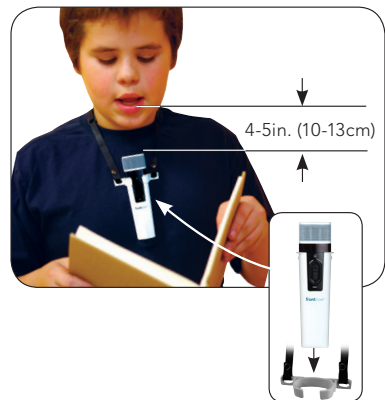
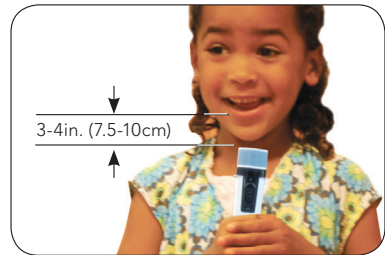
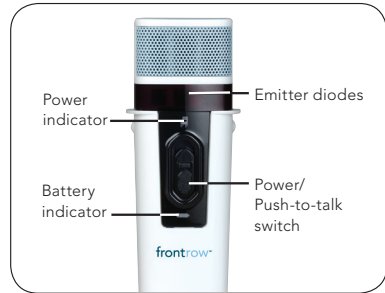
1. Turn the microphone on by sliding the Power Switch up.
2. Note Power Indicator (chair icon).

Green = On and transmitting

Off = Power is off

NOTE: In order to conserve battery life, if the power switch is left on, your microphone will automatically go into Standby Mode (off) after 10 minutes of silence. Move the switch to the off position, then back on to reset.

3. Keep the top of the microphone approximately 3 - 4in. (7.5 – 10cm) from the mouth when using it as a hand-held microphone.
4. Do not block emitter diodes.
5. To allow hands-free use (for example, when reading aloud and turning pages), attach the lavalier clip and neck strap. Adjust the neck strap to position the microphone approximately 4 - 5in (10 - 13cm) from the mouth.
6. When needed, you can simply push and hold the Power Switch while talking rather than sliding it into the "on" position. This makes transitions when passing the microphone between students easier (e.g., no need to take time from the conversation to turn the mic on and off during transition). For best results, when using the push-to-talk function, be sure to press on the lower section of the switch.
7. When the battery in your microphone gets low (approximately 1/2 hour of use time left) the battery indicator will flash red.
8. Turn off the microphone and charge at the end of the day.



Labeling

Your Pass-Around Microphone includes a location for adding a name or room number for easy identification.

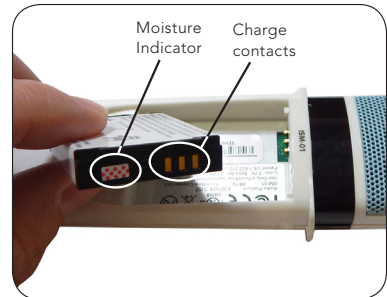
1. Place the microphone on a stable surface with the battery door facing up.
2. Remove the battery door using the supplied Phillips screwdriver.
3. Slide the clear window out of the battery door.
4. Write the name of the microphone on a blank label that came with your microphone.
5. Place the label in the battery door.
6. Slide the clear window back into the battery door.
7. Replace the battery door and tighten the screw.



Battery

Installing the battery

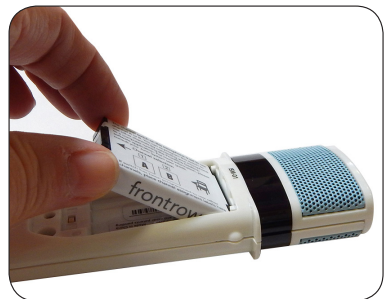
1. Unscrew the battery door on the back of the microphone using the supplied Phillips head screwdriver.
2. Locate the charge contacts on the battery and on the microphone.
3. Insert the battery into the compartment - battery contacts first, then push the battery into place.
4. Replace the battery door.
5. For best performance, charge battery in the microphone overnight before initial use.



Battery Safety

WARNING: To reduce risk of fire or burns:

- Do not use batteries that have been dropped or otherwise damaged.
- Do not attempt to open, disassemble or service the battery pack.
- Do not crush, puncture or short external contacts or dispose of in fire or water.
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- Replace only with the battery pack designed for this product.
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Charging

Charge your microphone in one of three ways:

- IMC-01 universal microphone charger (optional).
- USB cable connected to your computer's USB port*.
- USB cable connected to a USB to AC power adapter.

***NOTE - When charging from a computer USB port:**

If using a laptop on battery power and the battery is low, the ISM-02L microphone will not charge. We recommend that you always have your laptop plugged in to a power source when attempting to charge or program your microphone.

The ISM-02L microphone will not charge from a low-power USB port. If you are having trouble charging from a USB port on a computer that is plugged in to a power source, try using a different USB port on your computer.

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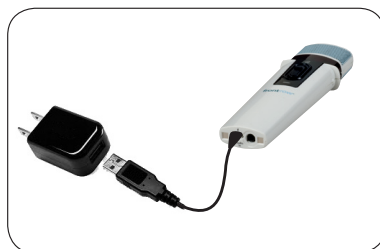
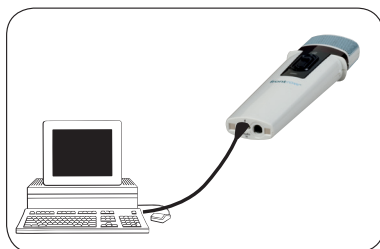
IMPORTANT! To maintain proper charging when using the IMC-01 universal microphone charger, occasionally clean the charge contacts on the bottom of the microphone using a cotton swab dipped in rubbing alcohol.

IMPORTANT! To ensure top performance and avoid equipment damage, batteries should be charged at room temperature.

IMPORTANT! To ensure top performance, FrontRow recommends replacing rechargeable batteries every three years.

IMPORTANT! Store the battery properly if it will be unused for a period of more than 2 weeks.

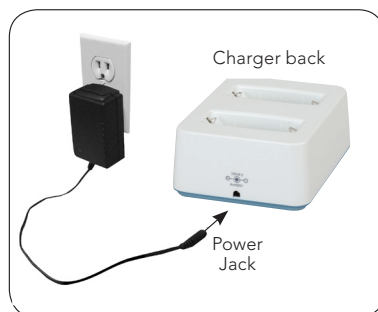
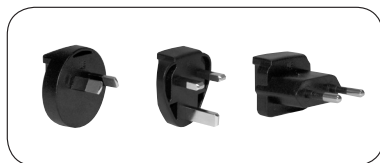
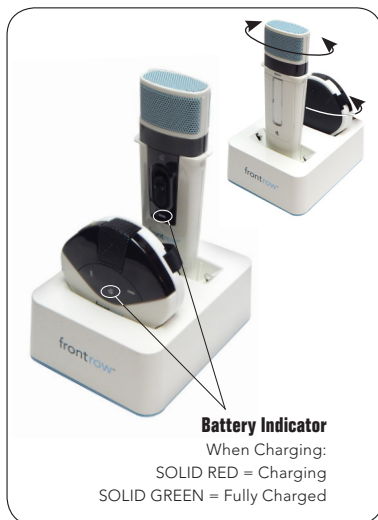
1. Charge the battery in the microphone for at least 2 hours.
2. Remove battery from microphone, place it in its own bag or envelope and store in a cool dry place.
3. Recharge battery before next use.



IMC-01 Microphone Charger

Charger setup

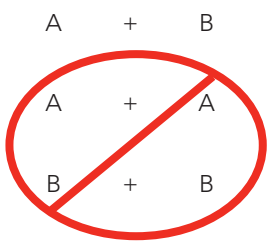
1. Insert microphones in either of the two charge pockets.
2. Find the power plug that is appropriate for the power outlet style in your country.
3. Slide power plug onto the power supply.
4. Plug the power supply into the power outlet and into the back of the charging base.



Using a Second Microphone

Your receiver is designed to receive two microphone signals at once. For example, two teachers (or a teacher and an aide) may each use a microphone. Or, one teacher can use a microphone and students can use a pass-around microphone.

Microphones must be on different channels or interference will occur.



Classroom 1



teacher 1
(channel A)



teacher 2
(channel B)

Classroom 2



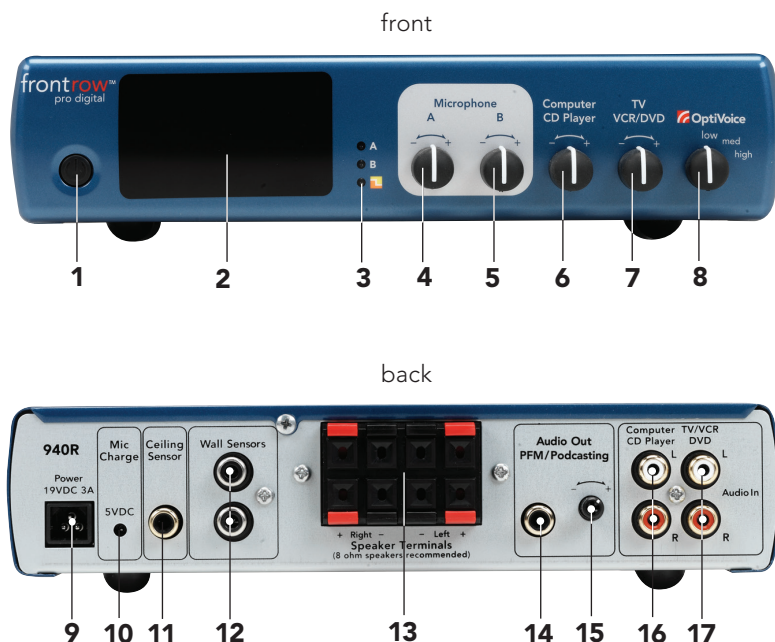
teacher
(channel A)



student
(channel B)

940R Pro Digital Receiver

Features



1. Power button
2. Internal infrared sensor
3. Microphone A/B and feedback suppression status lights
4. Microphone A volume control
5. Microphone B volume control
6. Aux-In audio volume control (Computer/CD player)
7. Aux-In audio volume control (TV/VCR/DVD)
8. OptiVoice™ selector (Optimizes teacher's voice clarity for various room noise levels)
9. Power jack
10. Transmitter charge output jack (Charges up to two microphones)
11. Infrared ceiling sensor input
12. Infrared wall sensor input
13. 4 speaker terminals
14. Audio Out jack (RCA) for podcasting
15. Audio Out volume control
16. Aux-In audio jack (stereo RCA) (Computer/CD player)
17. Aux-In audio jack (stereo RCA) (TV/VCR/DVD)

940R Pro Digital Receiver

Activate Receiver and Microphone

1. Press power button
Green..... Power On
Yellow Standby mode
2. Put microphone around neck and adjust strap so it is 5in. (13cm) from your mouth
3. Press the Smart Button to wake the microphone. The power indicator should be green.

NOTE: Your microphone will go into standby mode (off) automatically after 10 minutes in mute mode or 10 minutes of silence. Press the Smart Button to wake it.

5. Momentarily press the Smart Button to mute as needed for private conversations. Mute indicator light will turn red.
6. When the battery in your microphone gets low, the battery indicator will flash red.
7. At the end of the day, charge your microphone.

Daily Use

Your FrontRow Pro Digital has an energy-saving standby mode. The receiver will automatically go into standby mode in 10 minutes after you:

- Turn off or mute your microphone
- Stop playing a secondary audio source (computer, MP3 player, etc.)

The receiver will come out of standby mode automatically when you:

- Turn on or un-mute your microphone
- Play a secondary audio source (computer, MP3 player, etc.) connected to the receiver

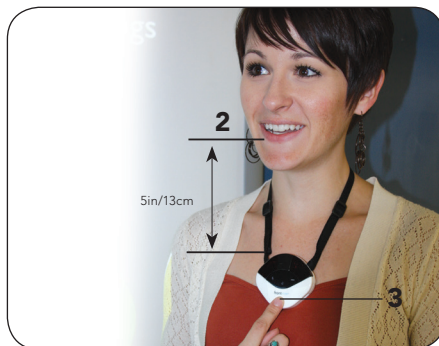
Daily operation is easier than ever; the system will "wake up" and "go to sleep" automatically.

Once the microphone and auxiliary audio volume is set to the optimal level, the only thing you need to remember is to turn the microphone on in the morning and turn it off and charge it in the evening.

To play auxiliary audio through the system, you simply need to press "play" on your auxiliary audio source and "stop" when you are finished.



NOTE: When the 940R is in standby mode the external sensor LED's will blink every two seconds.



940R Pro Digital Receiver

Automatic Feedback Suppression and OptiVoice



The FrontRow Pro Digital features automatic feedback suppression. The Adapto™ platform analyzes the sound quality hundreds of times a second, looking for signs of feedback. When feedback is detected, it filters it out, allowing the teacher to have optimal volume settings AND complete freedom of movement around the classroom.

When the automatic feedback suppression is active, the Adapto light (1) on the front panel will turn green. It may turn on and off throughout the day, but that is OK; it just means that it is working to optimize sound quality.

When adjusting the volume the goal is speech clarity, not rock concert power and volume. As a general rule, you should barely hear your own voice through the system when speaking.

NOTE: Feedback may still occur if the volume is turned up very high – too high for sensible classroom use. If this occurs, turn volume down in small increments until the feedback disappears.



A powerful tool for test-taking, directions, and ESL 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 (2).

For low background noise environments and for a more natural reproduction of your voice, use the low setting. For environments with higher background noises, use the medium or high setting. Experiment with the right mix of microphone volume and OPTIVOICE setting to find the optimal solution for your environment.

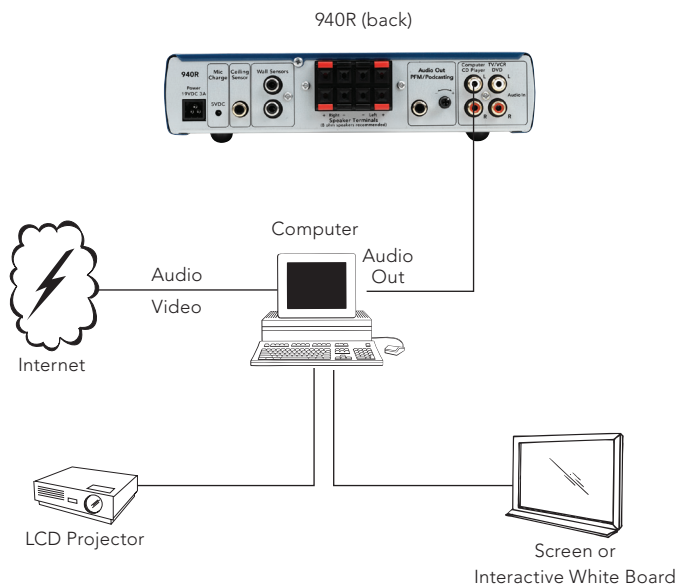
940R Pro Digital Receiver

Connecting to other Classroom Media

Your FrontRow Pro Digital can connect to other media to enhance the overall audio experience in your classroom. Ideally, these connections were made during installation; however, they can easily be made after the unit is installed using the audio cords that came with the system or standard audio cords from your local electronics store.

Option 1

Many classrooms use a computer as a multi-media "hub" (with an LCD projector), which is connected to the internet or school network to download/stream all audio and video, and audio files. For these classrooms, you may only require one auxiliary audio input connection to the 940R.

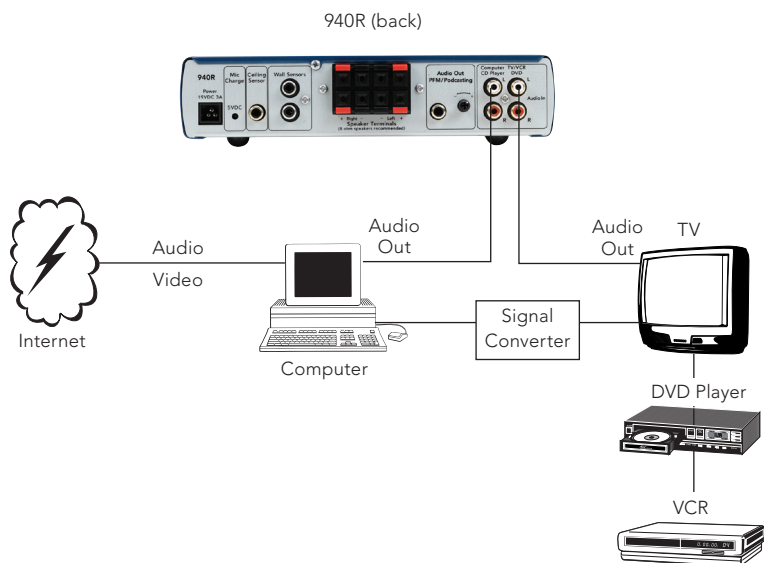


940R Pro Digital Receiver

Connecting to other Classroom Media (cont.)

Option 2

Some classrooms use a computer as the multi-media "hub", but it is connected to a TV instead of an LCD projector. They also occasionally use the TV/DVD/VCR as a stand alone media. For these classrooms, you may need to use both auxiliary audio input connections to the 940R.



940R Pro Digital Receiver

Auxiliary Output - Rebroadcasting to Personal FM Receivers

Allows rebroadcast of all voice and auxiliary audio directly to a hearing-impaired student's personal FM system.

1. Plug RCA cord into audio out port on back of Pro Digital receiver. Depending on the device you are connecting, match the type of the other end of the cord to the aux in on the transmitter (typically 3.5mm).
2. Adjust **volume level setting for transmitter**
 - a. if device you are connecting is a line level input, set volume control nearer to maximum
 - b. if device you are connecting is a mic level input, set volume control nearer to minimum

Test and adjust as volume level as needed.



CMBT Bluetooth® Audio Receiver (optional)

Installation with Pro Digital 940R

1. Attach the supplied rubber feet to the bottom of the CMBT receiver and select a stable space near the 940R
2. Provide a power source for the CMBT:
Connect the supplied power supply to the **5VDC** jack of the CMBT and plug the supply into an electrical outlet.
3. Plug one of the supplied 3.5mm audio cables into the **Bluetooth Audio Out** jack on the CMBT and connect the other end to one of the available audio inputs on the 940R (3.5mm to RCA)



Testing your installation

1. Power up your amplifier/receiver system
2. Initiate pairing mode by pressing the **Bluetooth pairing button** on:
The CB55 volume/pairing control **or**
The CB6000 touch control panel **or**
The CMBT Bluetooth audio receiver
3. Go to the Bluetooth settings on your source device and select CMBTxxxx
4. We suggest initially setting the volume on the source device to $\frac{3}{4}$ full scale
5. Play some audio
6. Adjust levels as needed on the source device and/or the FrontRow system



Troubleshooting

Receiver won't turn on (power light doesn't turn on)

- Verify that the power supply is plugged into both the receiver and a working wall outlet
- Test with another power supply

Receiver keeps going into standby mode when playing auxiliary audio

- Volume level on auxiliary audio device is set too low

Receiver will not "wake up" from standby mode

- Volume level on auxiliary audio device is set too low
- Make sure microphone is on and working correctly, and the receiver is receiving the signal

Adapto LED keeps flashing on and off

- This is normal. The light will turn on when the Adapto platform is processing the speech signal. There is nothing you need to do

'Dead spots' or microphone crackling/noise

- Verify that you are not blocking either the emitters on the microphone or the sensors on receiver or mounted around room
- If reception is interrupted or noisy when facing a certain direction, install an additional sensor in that area of the room (see *Installer Guide*)
- If using more than one microphone, verify that they are not on the same channel
- Recharge or replace the microphone batteries

No signal reception (channel indicator light on receiver is red)

- Check that the microphone is on
- Check that the microphone is not muted (940TM only)
- Verify that you are not blocking either the emitters on the microphone or the sensors on receiver or mounted around the room
- If reception is interrupted when facing a certain direction, install an additional sensor in that area of the room (see *Installer Guide*)
- If using more than one microphone, verify that they are not on the same channel
- Recharge or replace the microphone batteries

Feedback (squealing)

- Lower the Microphone A or B Volume control(s) on the receiver
- Make sure that speakers are mounted as close as possible to the ceiling and to the listening area; avoid mounting speakers in the teacher's primary lecture area
- Position the microphone closer to mouth
- Select the Low or Medium OptiVoice setting
- Set the gain switch on the pass-around microphone to "mid" or "low"

Weak or no output from speaker(s)

- Increase the Microphone A or B Volume or Aux-In Audio Volume control(s) on the receiver, or audio device
- Position the microphone closer to mouth
- Set the gain switch on the pass-around microphone to "mid" or "high"
- Verify that the speakers have been properly installed

High or low pitched whine or hum coming through speakers

- There may be a ground loop with the system. Install a ground loop isolator (see *Installer Guide*)
- There may be "noisy" electrical wiring. Install an AC line filter (see *Installer Guide*)

Sensor lights are blinking

- This is normal. When the 940R is in standby mode the sensor LED's will blink every two seconds

Charger light won't come on or is blinking red

- Check that the charger is connected to a working power outlet
- The charger can charge only 950H and 940TM microphones with charge contacts. Refer to page 3, feature 12 to confirm that your microphone has these contacts.
- You may be attempting to charge an alkaline battery or a rechargeable battery that has reached the end of its useful life. Check the battery and replace with a FrontRow "silver sleeve" rechargeable battery.

Regulatory

receiver: part 15, subpart B

FrontRow Pro Digital Receiver 940R
FrontRow Pro Digital Transmitter 940TM



Tested to comply with
FCC Standards

FOR HOME OR OFFICE USE

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.

FCC notes

The FrontRow Pro Digital active learning system is approved by the FCC (Federal Communications Commission). The use of the system may be governed by specific FCC rules and FCC licensing or notifications may be required. Consult your local FCC office for detailed information.

Phonic Ear receivers and transmitters, when required, are approved by the Federal Communications Commission (FCC) in the U.S. and Industry Canada. Other government approvals are available upon request. (Other international regulations may also apply.)

Any changes or modifications made to any government-approved element of this instrument, without the express approval of Phonic Ear, Inc. in writing, could void the user's authority to operate those elements of the system.



This product conforms with the essential requirements of European Union Directive /EU Directive 2004/108/EC EMC Directive and 2002/95 ROHS Directive. This product can be subject to interference at our operational frequency bands of 2.3 and 2.8 MHz.

This product has been cleared by the U.S. Food and Drug Administration for use by persons with normal hearing and hearing impairment.



Electrical and electronic equipment (EEE) contains materials, components and substances, that could be dangerous or detrimental to human health and the environment if waste electrical and electronic equipment (WEEE) is not disposed of correctly. Products marked with the crossed-out dustbin shown here are electrical and electronic equipment. The crossed-out dustbin indicates that waste electrical and electronic equipment may not be disposed of with unsorted household waste and that it must be collected separately.

In developing and manufacturing your Phonic Ear product, we used high-quality materials and components that can be reused. Thus, when disposing of your waste electrical and electronic equipment, you must use a collection system designated for this purpose, regardless of whether you dispose of your waste at your local waste site or it is collected from your home. Please contact your local authority for further information.

IC notes

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

The term "IC:" before the radio certification number only signifies that Industry of Canada technical specifications were met.

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