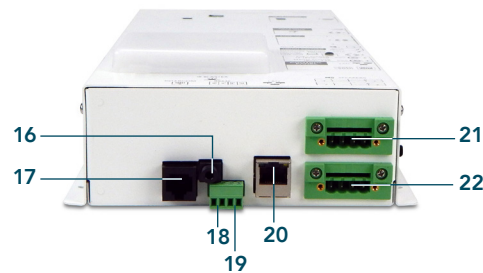
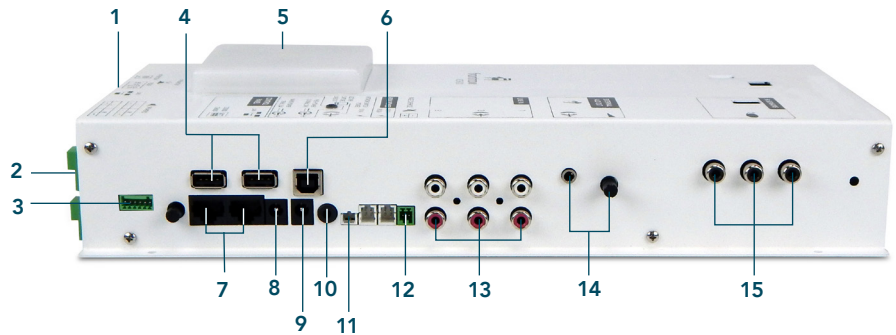




# ICR-01 Smart Receiver

Single solution for media,  
public address, and voice audio

Because it is compatible with the Conductor™ IP-based paging and bell system, the Smart Receiver is the most efficient choice for audio amplification in the classroom. It easily handles both streaming and analog audio from sources within the classroom or from the office.



## Features

- 1 Reduces installation & maintenance costs**  
Eliminates redundant amplifiers and speakers as a single solution.  
**Easier configuration**  
The onboard GUI software makes it easy to adjust audio channel settings, IP address, action commands, and more.  
**ClassLight**  
Built-in ClassLight shows the system status and flashes for priority alerts, keeping everyone informed.  
**Alert priority**  
Auto-detects priority messages coming from the office via the Conductor IP-based paging system, or analog system, and mutes media and mic audio.  
**Remote update**  
As projectors and other controlled devices change, you can remotely update the configuration software.  
**Secure**  
Keep out hackers by setting up passwords for network access.
- 2 Low profile, easy to mount**  
Ordinarily built into ezRoom core enclosures, the Smart Receiver can also be mounted behind whiteboards or under furnishings as a standalone component.  
**Digital feedback suppression**  
Adapto Generation II actively scans audio 375 times/second to suppress feedback squeal before it starts.

- Optimized Speech Clarity**  
Patented OptiVoice technology emphasizes critical speech sounds so students understand even more.  
**Auto EQ Calibration**  
In software, select speaker type to auto calibrate sound quality.  
**PrioriTeach**  
Gives priority to the teacher microphone.  
**Advanced Software Control**  
Adjust volume, 12-band EQ, feature settings, and more.
- 3 Captive Screw GPO Terminals (6 positions)**
- 4 Integrated Serial Hub**  
Two ports for charging or programming microphones.
- 5 ClassLight**  
Color based on status (e.g., recording, incoming page or intercom active).
- 6 Serial Port**  
Connect a USB cable to a computer running the FrontRow Desktop software application for remote control of the Smart Receiver.
- 7 Control Panel Power**  
Connect and power a FrontRow CB2000 or CB6000 wall control panel.
- 8 Mains Power Connector**
- 9 PoE Power Connector**
- 10 Line Out for Lecture Capture**
- 11 Network Switch Power**

- 12 Analog Page Override Connection**  
Interface with 20V, 70V or 100V analog paging systems.
- 13 Stereo Inputs for External Audio**
- 14 External ALD Out**  
Output with gain control for connecting to personal FM assistive listening devices.
- 15 Ceiling or wall sensor ports for microphone**
- 16 IR Blaster Port**  
Send commands to devices connected via an IR emitter cable.
- 17 Intercom Input**  
Connect the CB75 intercom panel microphone for communication with front office when push-to-talk is required (can also be used with CB85). Connect a CB50 volume control with a TB8 cable for basic volume and mute control.
- 18 Serial Control**  
Send / receive RS232 commands between connected serial devices such as projectors and displays.
- 19 General Purpose Input (GPI)**
- 20 Network Connection**  
Communicates over standard 10/100Mb/s networks (auto sensing) using either TCP/IP or UDP protocols.
- 21 Stereo Speaker Connection**  
Captive screw terminals for easy speaker connection.
- 22 Optional Stereo Speaker Expansion**  
Add up to four more 8Ω speakers for use in larger spaces.

# ICR-01 Smart Receiver

## SPECIFICATIONS

Transmission type	Infrared
Receiving Frequencies	2.1MHz, 2.4MHz; (2.8MHz, 3.3MHz, 3.6MHz with Channel Expansion Module)
Frequency Response	50Hz – 20kHz
Wavelength	940nm
Signal-to-noise	>70dB
THD	<1% @ 1kHz
Maximum audio output power	2 x 13w (8Ω), 2 x 20w (4Ω)
Speaker Expansion Module	2 x 10w (8Ω), 2 x 20w (4Ω)
Total System Power	80w peak program
Power supply	18VDC @ 3.4AMP
Network Support	10/100 Mb/s (Auto Sensing)
Baud Rate	2400 – 115,200
Size (wxdxh)	34.92 x 16.8 x 5.5cm/13.75 x 6.5 x 2.75in
Weight	1.72kg/3.8lbs

## INPUTS/OUTPUTS

- Input power jack (mains 18Vdc, 3.5A)
- Input power jack (PoE 12-18Vdc, 24W)
- (3) Jacks for external sensor connection (RCA)
- Audio out jack (with gain control) (3.5mm)
- Audio out jack (max gain output) (3.5mm)
- (3) Stereo audio in jacks (with stereo sound output) (RCA)
- (1) Serial communications port
- (1) Jack Pair (supplying 12VDC to power and connectivity to control panels) (RJ45)
- (1) 5V, 1A power output (for network switch)
- (1) 18V, 2A power output (for HDBaseT HDMI receiver)
- (1) 5V, 1A power output (for HDMI audio de-embedder)
- (1) Terminal block for analog page override
- (1) Intercom input jack (RJ45)
- (1) IR blaster port (3.5mm)
- (1) Network Jack (RJ45)
- (2) 4-pin captive screw loud speaker terminals (second is optional). Left and right (stereo output)
- (1) 4-pin captive screw general purpose input (GPI) relay terminal
- (1) 4-pin captive screw RS232 serial control input/output terminal (3 position)
- (1) 6-pin captive screw general purpose output (GPO) relay terminal

# ITM-02 Pendant Microphone

## SPECIFICATIONS

Transmission type	Infrared
Transmitting Frequency	2.1MHz, 2.3MHz, 2.4MHz, 2.8MHz, 3.3MHz, 3.6MHz programmable
Frequency Response	70Hz – 8kHz
Wavelength	940nm
Microphone	Unidirectional cardioid
Battery life	7 hours (typical)
Battery type	Li-Ion, 3.7V, 850mAh
Operating range	30.5m/100ft, line of sight (typical)
Size (wxdxh)	7.4 x 6.6 x 1.3cm/2.9 x 2.6 x 0.5in
Weight	73.7g/2.6oz (with battery and lanyard)*



## USER CONTROLS

- wake/mute/voice command/trigger button
- channel select

## INPUTS/OUTPUTS

- Aux input (3.5mm)
- Charge/programming jack

\*Competitor models report weight without lanyard

Learn more at [gofrontrow.com](https://www.gofrontrow.com)



by Boxlight®