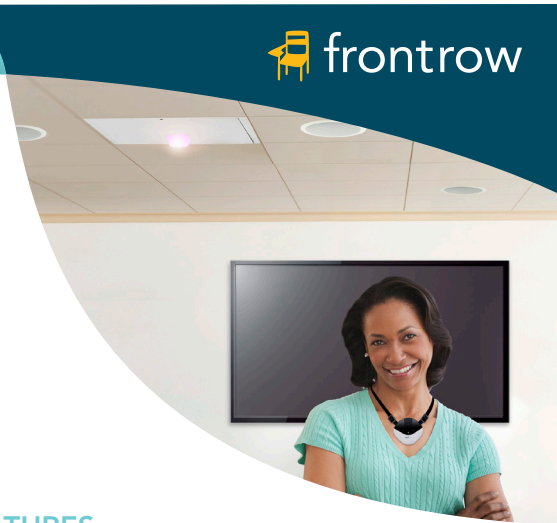# frontrow

ezRoom

FrontRow ezRoom is an "everything but the display" solution for administrators looking to provide the best-in-class media and voice amplification, campus communication and AV control. The ezRoom PlenumCore and lay-in speakers install easily in a dropped ceiling, replacing individual ceiling tiles. All components are pre-installed in the enclosure, wired, and ready to go. The networked controller/amplifier provides control of projectors and flat panel displays, and the 32 or 40 Watt amplifier covers the classroom in sound for improved student comprehension and performance. With voice commands, control ezRoom from anywhere in the room. Say "Begin" to start a lecture capture. Turn up the volume by saying "increase". Wall-mount AV plates and control panels make everything accessible for teachers, and are customizable for just the functions you need. You won't find this capability on any other classroom sound system. FrontRow ezRoom makes it easier than ever for teachers to manage their classroom.

KEY FEATURES

- Digital feedback suppression
- Integrated HDMI with audio extraction
- Voice activated control
- Voice activated lesson capture
- LED array status indicator
- Expandable for more speakers
- Integrated Bluetooth® receiver

EZROOM ALERT

SPECIFICATIONS

Ceiling Enclosure

Size	**(2x2)** 23.7 x 23.7 x 3.22 in **(60x60)** 58.5 x 58.5 x 8.18 cm
Weight	21.7lbs/9.8kg (Base model only. Actual weight depends on pre-installed options)
Conforms to UL 2043	UL Standard for Safety Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces. ETL Listed Includes four cables and cable locks for securing to structure
Amplifier	Smart Receiver (ICR-01)

EZROOM

SPECIFICATIONS

Ceiling Enclosure

Size	**(2x2)** 23.7 x 23.7 x 3.22 in **(60x60)** 58.5 x 58.5 x 8.18 cm
Weight	18.3lbs/8.3kg (Base model only. Actual weight depends on pre-installed options)
Conforms to UL 2043	UL Standard for Safety Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces. ETL Listed Includes four cables and cable locks for securing to structure
Amplifier	CM3000

ezRoom

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		EZROOM ALERT	EZROOM
Voice Amplification	FrontRow voice amplification ensures an educator's voice is loud enough to be heard in noisy environments like a classroom or multi-purpose room, no matter the distance from the student.	✓	Optional
LED Beacon	FrontRow's beacon feature provides a visual cue to accompany paging and intercom alerts when used in concert with Conductor™, as well as status indications from the ezRoom.	✓	
Voice Commands	Voice commands allows for the control of ezRoom and connected devices simply by speaking.	✓	
PrioriTeach	PrioriTeach puts the focus on the educator by ducking audio from all other sources when speaking through the teacher microphone.	✓	
OptiVoice	OptiVoice strengthens critical consonant sounds to make the teacher's voice more intelligible in classrooms with poor acoustics and high background noise.	✓	
Adapto	Adapto constantly adjusts for sound quality, reducing feedback and power usage to optimize system performance.	✓	
Network Connectivity	ezRoom lives on the local network and can be integrated with Conductor™, a robust IP-based control and school communications solution that covers the entire campus.	✓	✓
Intercom	When used with Conductor, ezRoom can be used as a full duplex two-way communication tool between the classroom and the front office.	Optional	Optional
Audio Inputs	Allows additional audio sources to be integrated into ezRoom.	3	4
Audio Outputs	Allows audio to be sent out of ezRoom to another output, such as an Assisted Listening Device (ALD).	1 stereo 1 stereo with gain control	3
External IR Sensor Jacks	Allows multiple IR sensors to be connected to ensure optimal microphone performance in large rooms.	3	2*
General Purpose Input (GPI)	Allows custom control inputs programmed by an integrator.	1	1
RS232 Communications Port	Allows ezRoom to control other connected devices.	1	1
Relay Switch	On-board relays easily integrate shades, access-entry controlled doors, and other contact closure-controlled devices.	2	
IR Blaster	ezRoom uses IR emitters to control 3rd party devices such as a TV or projector.	1	1
IR Learning	Onboard IR learning allows integrators to more easily program ezRoom to control other devices.		1
Alarm Detect	ezRoom works in tandem with alarm systems, automatically muting the system so alerts can be heard clearly.		
Power	ezRoom is powered by a low voltage power supply and PoE as a backup in case of a power outage is optional.	Low Voltage PoE Backup Optional	Low Voltage PoE Backup Optional

* with IR Voice Receiver option

ezRoom

frontrow

OPTIONAL PREINSTALLED FEATURES

When specifying an ezRoom system, choose from the following preinstalled options to customize your system to meet your needs.

		EZROOM ALERT	EZROOM
IR Voice Receiver	Adds voice amplification to ezRoom.	Included	✓
Integrated IR sensor	Provides full classroom coverage for microphones without having to install additional sensors.	✓	✓
Audio Extraction	Allows ezRoom to de-embed audio from HDMI sources so it can be played through ezRoom or be independently routed.	✓	✓
4:1 HDMI Inputs	Switches between up to four HDMI sources, while de-embedding audio to be played through ezRoom speakers.	✓	✓
4x4 HDMI	Allows ezRoom to route video from up to four sources and four displays with independent audio switching.	✓	✓
Apple TV Prep	Includes brackets and wiring to easily install an Apple TV device. Includes a CB6000 wall control pre-configured to control Apple TV functions.	✓	✓
Speaker Expansion	Allows the connection of an additional four speakers to ezRoom for increased coverage in larger rooms.	✓	
Channel Expansion	Allows the addition of up to three additional microphones, for a total of five microphones per system.	✓	
Page Override	Automatically mutes the teacher's voice and other audio when a page comes through ezRoom.	✓	
Bluetooth®	Allows users to wirelessly play audio through ezRoom from any Bluetooth enabled device.	✓	✓
PoE Backup	Provides critical paging functionality in the event of a power outage.	✓	✓
Power Strip	Allows integrators to more easily include other technologies without running extra power to 2x2 enclosure.	✓	✓
Integrated Room Mic	Allows any ezRoom to function as an intercom device with or without a teacher microphone.	✓	✓

CHOOSE ONE (vertical label spanning Audio Extraction through Apple TV Prep)

HOW TO ORDER

First, decide if your ezRoom will be a classroom-only system or connected to **Conductor**. After that, building an ezRoom system is, well...easy.

STEP 1
Choose your **mounting location** and **pre-installed options** based on what media and devices you want to connect

STEP 2
Choose a **microphone option** for the teacher or add student microphones

STEP 3
Choose **speaker options** based on your room construction and size

STEP 4
Choose your **control options** and **AV input plates** to connect and control devices

STEP 5
Choose your **Software** and **Accessories**, such as Lesson Capture, FrontRow Control and **additional student & teacher mics**

ClearaSound

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