

\$2,727

Voice Amplification



Description

- A** ezRoom PlenumCore with Smart Receiver & network switch
- B** FrontRow Smart Mic
- C** Universal Drop-in Microphone Charger
- D** Lay-in Speaker Kit (2x2) Four Speakers
- E** Ceiling Sensor
- F** Rotary volume / mute push button for ezRoom
- G** TB8 Terminal Block

Key Benefits

- AV Control
- ✓ **Networkable**
- Media amplification
- ✓ **Teacher voice enhancement**
- Lesson Capture
- IP Paging, Intercom, Bells, and Alerts

Add-ons

- Conductor-ready with the addition of a POE extractor (POE-X) and an intercom device (CB50, CB55, CB75) and/or a microphone (CB85 or CB75)
- Bluetooth capable with CMBT

EZROOM PLENUMCORE WITH SMART RECEIVER & NETWORK SWITCH**SPECIFICATIONS**

Weight: 8.39kg/18.5lbs

Size (wxhxd): (60x60) 58.5 x 59.05 x 8.18 cm; **(2x2)** 23.81 x 23.70 x 3.22 in

5-PORT ETHERNET SWITCH**SPECIFICATIONS**

Ports: 5 x 10/100 Mb/s Ethernet (RJ45)

Transmission Method: Store-and-Forward

Switching Bandwidth: 1 Gb/s

Supported IEEE Standards: 802.3, 802.3u, 802.3x

AC Input Power: 100 to 240 VAC, 50 / 60 Hz

Operating Temperature: 32 to 104°F / 0 to 40°C

Storage Temperature: -40 to 158°F / -40 to 70°C

Operating Humidity: 10 to 90%

Storage Humidity: 5 to 95%

Certifications: FCC, CE, RoHs, as per Manufacturer

Indicator Lights: Link/Activity

Dimensions: 14 x 8.7 x 2.8 cm / 5.5 x 3.4 x 1.1in

ICR-01 FRONTROW 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 (wxhxd): 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)

ITM-02 FRONTROW SMART MIC**SPECIFICATIONS**

Transmission type: Infrared

Transmitting frequency: 2.1MHz, 2.3MHz, 2.4MHz, 2.8MHz, 3.3MHz, 3.6MHz programmable

Frequency response: 70Hz – 8kHz

Microphone: Unidirectional cardioid

Battery life: 7 hours (typical)

Battery type: Li-Ion, 3.7V, 850mAh

Operating range: 30.4m/100ft, line of sight (typical)

Size (wxhxd): 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 button
- channel select

INPUTS/OUTPUTS

- 3.5mm aux input
- charge/programming jack

*Competitor models report weight without lanyard

IMC-01 UNIVERSAL DROP-IN MICROPHONE CHARGER**SPECIFICATIONS**

Size (wxhxd): 8.9 x 4.6 x 11.4cm/3.5 x 1.8 x 4.5in

Weight: 226.7g/8oz

Power supply: 5.9V dc

LAY-IN SPEAKER KIT (2X2) FOUR SPEAKERS**SPECIFICATIONS**

Average sensitivity: 92dB-SPL 1W/1M

Speaker type: 8in full range cone

Impedance: 8Ω nominal

Loudspeaker power rating: 12W-RMS EIA 426A Standard

Calculated maximum system output: 103dB-SPL, 12W/1M

Magnet type: 4.8oz BeFe Ceramic

Size (wxhxd): (1x2) 29.9 x 32.5 x 9.7cm/11.81 x 12.81 x 3.81in
(2x2) 60.5 x 60.5 x 8.74cm/23.82 x 23.82 x 3.44 in

Frequency response: 65Hz – 17kHz EIA 426A standard

Nominal coverage angle: 100° included angle -6dB/2kHz half space

Audio connection: Pre-cut 17.8cm/7in

Mounting: Replaces existing ceiling tile, mounts in tile grid, built for Plenum spaces

CEILING SENSOR**SPECIFICATIONS**

Operating frequency: 2.1MHz – 3.6MHz

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

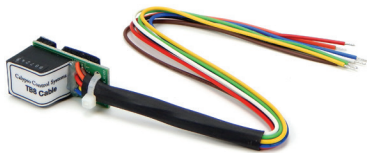
Sensor wire: 15.25m/50ft RG59/u coaxial cable CL2P
double shielded, UL listed Plenum rated jacket available

CB50 ROTARY VOLUME / MUTE PUSH BUTTON FOR EZROOM**SPECIFICATIONS**

Format: Single-gang, Decora®

Size (wxhxd): 5.1 x 4.4 x 12.7cm/2 x 1.75 x 5in

Weight: 102g/3.6 oz

TB8 TERMINAL BLOCK**DESCRIPTION**

Adds RJ45 connectivity to CB-50. The TB-8 adds RJ45 connectivity to devices without RJ45 porting.