

# CM900

## Networked Audio Controller

The CM900, as part of the ezRoom Trio and IP speaker, will increase audio performance, classroom control and extend your IT budget. When it's combined with FrontRow's CB6000 wall controller, the CM900 will allow for convenient control of all classroom audio sources. Also, RS 232 and IR control outputs allows for networked control & relay over typically non-networked devices like projectors.

It provides efficient school-wide audio by converting analog to IP audio for network streaming and IP audio back to analog for listening. The built-in 3-input, 32-watt amplifier provides high-quality audio and makes it easy for teachers to use various audio sources for instruction. In addition, the CM900 auto-detects audio source priority and adjusts sound levels to, for example, prioritize an emergency alert message.

### SPECIFICATIONS

<b>Network support</b>	10/100Mb/s (auto sensing)
<b>Serial Baud rate</b>	2400 to 115200 baud
<b>Amplifier type</b>	Class D
<b>Frequency response</b>	20Hz to 20kHz
<b>Signal-to-noise</b>	>84 dB @ 20 Hz to 20 kHz at maximum output (unweighted, with balanced input)
<b>THD</b>	0.1% @ 1kHz, at nominal level (1 watt, 8 ohm load)
<b>Maximum audio output power</b>	2 x 8w (8Ω), 2 x 16w (4Ω)
<b>Power supply</b>	12VDC at 5A
<b>Size</b>	13.1 x 4.2 x 7.9cm/5.18 x 1.68 x 3.12in
<b>Weight</b>	0.37kg/0.82lbs



### KEY FEATURES

- IP audio encoder/decoder
- 3 input analog, 32W, amplifier/switcher
- Network based classroom AV controller
- RS 232 and IR control outputs & relay

### KEY BENEFITS

- Networked streaming/analog audio to classrooms and school common areas
- High-quality school-wide audio
- Auto-detect and mute for priority audio alerts
- Network based classroom AV control
- Network control over non-networked devices like projectors
- Reduced installation and on-going maintenance costs

### INPUTS/OUTPUTS

Input power jack
(1) PoE power jack
(1) 2-pin power output jack (12V, 1A)
(1) RJ45 network jacks
(1) RJ45 LAN In jack
(1) RJ45 intercom input jack
(1) RJ45 CLAN power port for CB2000/CB6000
(2) 3.5mm unbalanced inputs and (1) 3.5mm configurable balanced/unbalanced input
(1) 3.5mm audio output jack (unbalanced)
(1) Captive screw loudspeaker terminal left and right
(1) 3.5mm IR control terminal
(2) RS232 serial controls
(1) Relay output
(1) Page override detect
(1) Alarm detect

# SAMPLE APPLICATION

