

CM800 and CM800S

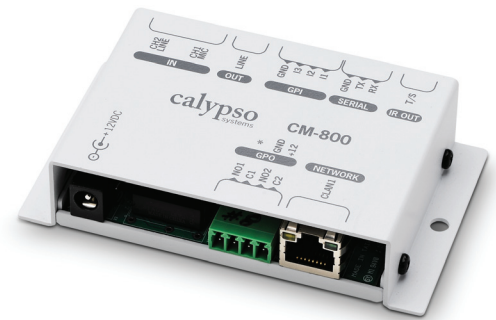
Networked Audio

The CM800 is a networked audio decoder that accepts streaming audio input (raw PCM) and delivers line level audio output. The primary purpose of the CM800 is to provide connectivity between the FrontRow Conductor IP-based paging system and standard 70v amplifiers and speakers frequently used to bring audio messaging to school common and outdoor areas. As such, the CM800 converts 8KHz-sampled audio to line level audio output, suitable for use as an input to standard, 3rd party amplifiers.

In addition, the CM800 provides serial, IR, GPI and GPO (relays) to support network-based 3rd party device control. In addition, an optional 30W amplifier module for driving speakers directly turns the CM800 into the CM800S, capable of driving up to four 8ohm speakers, conveniently bringing IP paging to small common areas and shared office spaces.

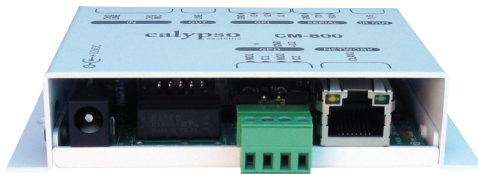
When not streaming audio the CM800 mixes, samples and plays line level audio from two inputs at 48kHz. A unique configuration feature of the CM800 is the ability to detect audio at the inputs and automatically stream this audio over the network. Accordingly the unit can be used to convert a standard analog paging system into an IP-based, streaming solution.

As with most FrontRow products, CM800 and CM800S configuration and setup is conveniently done through any standard browser connected to the CM800 directly or over a network.

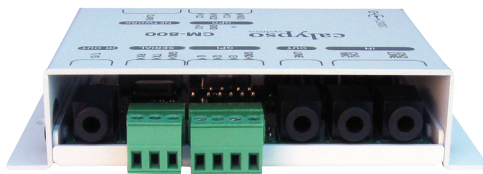


CM800

Left Side



Right Side



CM800 Specifications

Network support: 10/100Mb/s (auto sensing)

Serial Baud rate: 2400 to 57600 baud

Power supply: 9V 500mA

Size (WxHxD): 9.8 x 6.4 x 2.3cm/3.84 x 2.5 x .913in

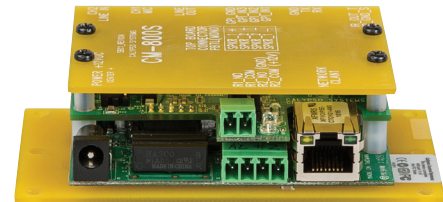
Weight: 0.35kg/0.77lbs

INPUTS/OUTPUTS

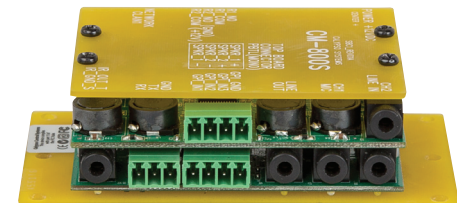
- (1) input power jack
- (1) RJ45 network jack
- (1) 3.5mm unbalanced stereo audio input jack
- (1) 3.5mm mic input jack
- (1) 3.5mm amplifier balanced/unbalanced stereo/mono line output jack
- (2) captive screw general purpose output (GPO) relay terminals (4 position)
- (3) captive screw general purpose input (GPI) relay terminals (4 position)
- (1) 3.5mm infrared control output jack
- (1) captive screw RS232 serial control input/output terminal (3 position)

CM800S

Left Side



Right Side



CM800S Specifications

Network support: 10/100Mb/s (auto sensing)

Serial Baud rate: 2400 to 57600 baud

Power supply: 12VDC at 3.5A

Size (WxHxD): 9.8 x 6.4 x 3.1cm/3.84 x 2.5 x 1.2in

Weight: 0.35kg/0.77lbs

INPUTS/OUTPUTS

- (1) input power jack
- (1) RJ45 network jack
- (1) 3.5mm unbalanced stereo audio input jack
- (1) 3.5mm mic input jack
- (1) 3.5mm amplifier balanced/unbalanced stereo/mono line output jack
- (2) captive screw general purpose output (GPO) relay terminals (4 position)
- (3) captive screw general purpose input (GPI) relay terminals (4 position)
- (1) 3.5mm infrared control output jack
- (1) captive screw RS232 serial control input/output terminal (3 position)
- (1) captive screw loudspeaker terminal left and right, (mono output)
- (1) 3.5mm (audio output)
- (1) captive screw power adapter terminal