



Multi-Room Amplifier

CS-iMR-X-XX WOB

Capable of being installed in a standard structured wiring panel, the Multi-Room Audio solution is compact, scalable, and affordable. It is offered in four and six zone configurations, with simple Ethernet-based connectivity that allows up to 6, six zone chassis to be bussed, for a maximum of 36 zones of CobraNet® audio distribution.

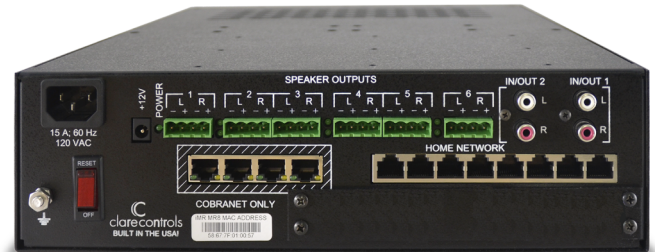
- Advanced multi-room audio system
- Digital streaming using advanced CobraNet technology
- Multiple units may be bussed via one Ethernet connection
- Amplification built in: either 25 watts/ch at 8 ohms or 50 watts/ch at 8 ohms
- Runs cool, with Class-D amplification
- Two Audio Flexports can be configured as inputs or outputs
- Available in four zone and six zone configurations
- Can be mounted in a structured wire panel, on-wall or in a rack.
- Seamless integration into ClareHome
- Integrated 8 port Ethernet switch
- Dedicated 4 port CobraNet switch

Class-D Amplification

Utilizing modern Class-D amplification, the unit delivers studio monitor audio quality. The system runs cool, allowing for structured wire panel installation.

Synchronous and Low Latency

The system is highly synchronous, delivering < 7 ms latency. Neither bussing multiple units (i.e., to add audio channels) nor incorporating distributed video will induce synchronization problems, like lip synch.



*Streams Integrated Multi-Room Audio Solution
with Audio Bridge*

Parametric Equalization

The Multi-Room Audio solution provides for five bands of parametric equalization.

Built-In Networking

The unit simplifies system networking and communication, featuring a 4 port dedicated CobraNet switch (for expansion of the audio network) and an 8 port Ethernet switch (to communicate with other IP controllable devices).

Expandable

Multiple units are easily connected via a single port on the integrated CobraNet switch. Terminate the speaker wires, connect to the home router, apply power and you're done. Additionally, the Room Expander can be used to add remote rooms or sources – all low latency, all synchronous.

Audio Sources

The Multi-Room Audio solution provides the ultimate in flexibility and ease of installation. Adding local audio sources (such as Sonos Connect, CD players, iPod docks or satellite receivers) is simple via the on-board Audio Flexports.



Multi-Room Amplifier

CS-iMR-X-XX WOB

Multiple Options

The chassis is available in four and six zone configurations with either 25 watt/ch or 50 watt/ch amplification stages.

Technical Specifications

Overview

CS-iMR-4-25 WOB	Four zone, 25 watts/ch @ 8 ohms
CS-iMR-4-50 WOB	Four zone, 50 watts/ch @ 8ohms
CS-iMR-6-25 WOB	Six zone, 25 watts/ch @ 8 ohms
CS-iMR-6-50 WOB	Six zone, 50 watts/ch @ 8ohms

Accessories

CS-iMR-RMK	Rack Mount Kit for CS-iMR
CH-EXT-28	28" Structured Enclosure Extender Kit
CH-EXT-42	42" Structured Enclosure Extender Kit



Multi-Room Audio Solution shown in structured wire panel
with ClareHome Controller

Technical Specifications

Overview

Analog to Digital Conversion	24 bit 48 kHz
Digital to Analog Conversion	24 bit 48 kHz
Output Power	25 watts / ch at 8 ohms or 50 watts / ch at 8 ohms
Frequency Response	20 Hz - 35 kHz +/- 0.5 dB (-3 dB at 60 kHz)
THD+N	<0.05% up to 75 Wrms/4 ohm at 6.67 kHz
EQ Modes	5 band parametric EQ
Network Audio Latency	<7 ms
Network Audio Synchronization	<1 ms
Amplifier Monitoring	Over Current, Over Voltage, Over Temperature
Channels DSP Processing	16x16
Power (North America)	3 amps at 120 VAC, 50/60 Hz
Power (international)	1.5amps at 220/240 VAC, 50/60 Hz

Audio Input/Output Details

Speaker Outputs	Left/Right 1-6: detachable terminal blocks. Accepts up to 14 AWG wire.
Audio Flexports	Two unbalanced RCA stereo (2) Can be configured as inputs or outputs.
Impedance	Input: 10 kΩ Output: 680 Ω
Sample Rate	48 kHz
Resolution	24 bit

Connectors

Ethernet	8 port Ethernet switch for other IP controllable devices
CobraNet	Built in 4 port dedicated CobraNet Ethernet switch
Power	One IEC 320 male chassis plug, 120V with switch fused main power input

Environmental

Temperature	105°F (40°C)
Chassis	Metal, black finish
Mounting	In structured wired panel, on-wall or rack mount
Dimensions (H x W x D)	3.5 x 13 x 17 in.

By making home technology simple, Clare provides exclusive benefits to integrators, builders, and homeowners. We offer innovative home automation solutions, Class D amplifiers, media distribution, controllable lighting, and IP CCTV components. For more information, visit clarecontrols.com.