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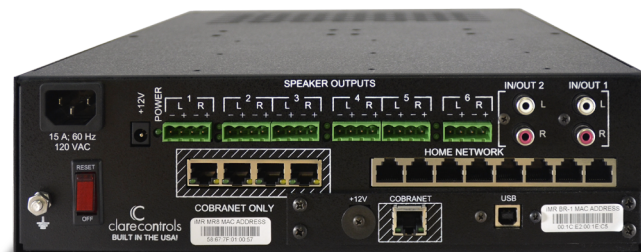
CS-iMR-X-XX

Capable of being installed in a standard structured wiring panel, the Streams Integrated 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 @ 8 ohms or 50 watts/ch @ 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
- Built-in Audio Bridge (for integrating streaming audio sources)

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.



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

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.

Parametric Equalization

The Streams Integrated 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 Streams Integrated Multi-Room Audio solution provides the ultimate in flexibility and ease of installation. Utilizing the integrated Audio Bridge and the media server built into the ClareOS, the unit provides for up to three simultaneous streams of audio from many of the most popular internet audio services. Adding local audio sources (such as CD players, iPod docks or satellite receivers) is simple via the on-board Audio Flexports or the Streams Room Expander.



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CS-iMR-X-XX

Multiple Options

The chassis is available in four and six zone configurations with either 25 watt/ch or 50 watt/ch amplification stages. Each of these configurations includes an integrated Audio Bridge.

Technical Specifications	
Overview	
CS-iMR-4-25	Four zone, 25 watts/ch @ 8 ohms with Bridge
CS-iMR-4-50	Four zone, 50 watts/ch @ 8ohms with Bridge
CS-iMR-6-25	Six zone, 25 watts/ch @ 8 ohms with Bridge
CS-iMR-6-50	Six zone, 50 watts/ch @ 8ohms with Bridge
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



Streams Integrated 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 @ 60 kHz)
THD+N	<0.05% up to 75 Wrms/4 ohm @ 6.67 kHz
EQ Modes	5 band parametric EQ
Network Audio Latency	<7 ms
Network Audio Synchronization	<1 ms
Audio	Uncompressed PCM
Amplifier Monitoring	Over Current, Over Voltage, Over Temperature
Channels DSP Processing	16x16
Power (North America)	3 amps @ 120 VAC, 50/60 Hz
Power (international)	1.5amps @ 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. Input: 10 k Ω
Impedance	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	3.5"H x 13"W x 17"D

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.