Russound

Building Sound Solutions™

MCA-88X Controller

Product Brief

The Next Generation Multi-Zone Has Arrived

MCA-88X 8 Source, 8 Zone Controller Streamer Amplifier

XSTREAM™

Spotify · PANDORA · SiriusXM INTERNET RADIO · tunein · dlna · vTuner

Spotify · AirPlay · Bluetooth · aptX CSR

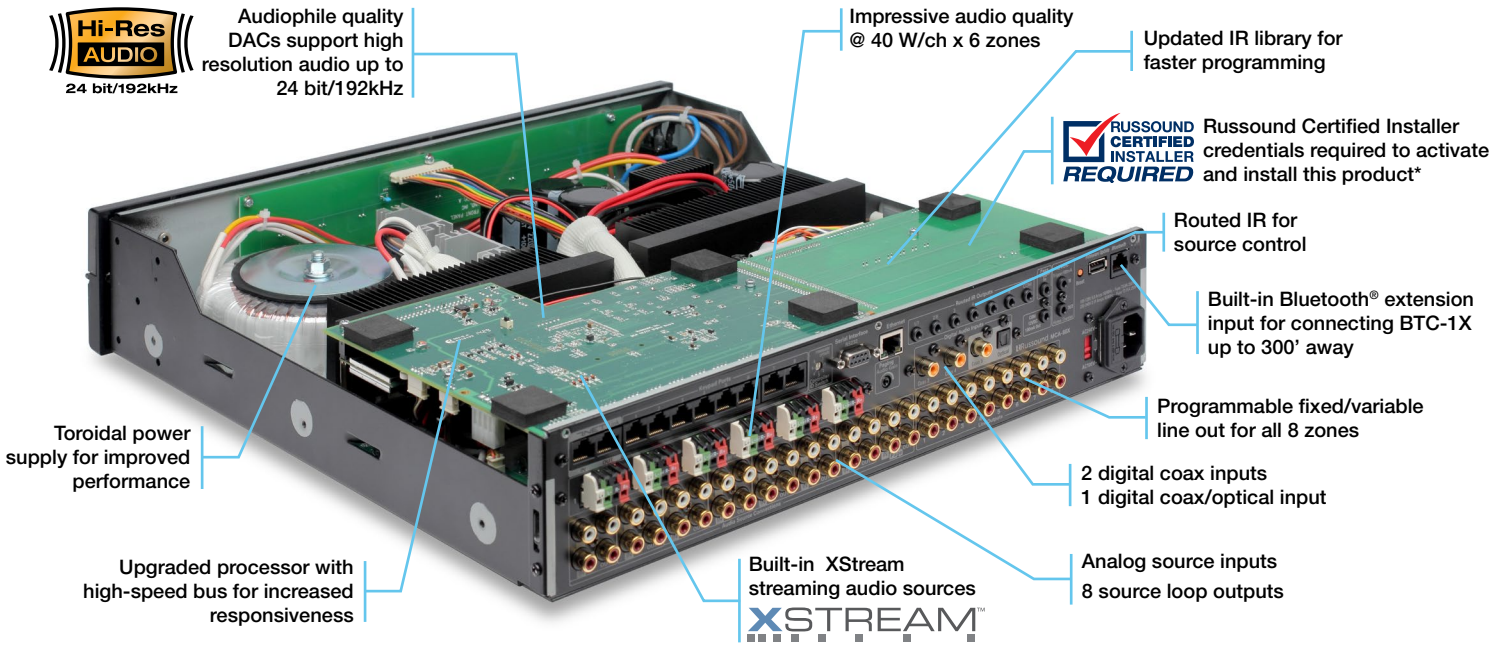
The evolutionary MCA-Series controller, now with built-in XStream, provides access to your customer's music collection and favorite streaming services in every zone. Building on Russound's legendary reliability, simplicity, and sound quality, the new multi-zone controllers now offer faster response time, an array of digital inputs, quicker configuration, and more great content. The flagship model of the line is the MCA-88X, which offers all of the features of the MCA-88 but adds a dedicated XStream streaming media source to give you the best music from the internet or your own digital music library. The XStream source can be shared by any of the zones in a home, or a DMS-3.1 with 3 more XStream sources can be added. The intuitive MyRussound™ App conveniently controls the entire system and displays metadata using tablets and phones. In addition, a wide assortment of keypads, touchscreens, and hand-held remotes ensures optimum control for any location.

Engineered for flexible configuration and easy integration, the controllers satisfy any design challenge. The new Russound line of multi-zone controllers delivers the perfect balance of popular music content, audio performance, and optimal control.

RUSSOUND CERTIFIED INSTALLER

The MCA-88X is part of the Russound Certified Installer (RCI) Program and can only be installed and configured by a Russound Certified Installer. The RCI Program is designed to provide the best possible product and installation experience to our consumers while maximizing the value that the thousands of Russound installers in the US and around the world offer to their customers throughout the sale and installation process. To find out more about how to become an RCI, contact us at 603-659-5170 or sales@russound.com.

MCA-88X Key Features



Additional Features:

- RS-232 and IP for 3rd party integration
- Home Theater 12V Trigger In/Out for Shared Sources
- Global 12V Trigger Output
- Perform basic configuration from your smartphone, tablet or computer with Web Config
- SCS-C5 software for complete configuration options
- Removable Screwless Speaker Connectors
- Paging System Support with Dedicated 12V Trigger Input
- Supports KNX® with Optional KNX-RIO-1

Interface Options

XTS

TS3

MDK-C6

SLK-1

MyRussound App

Available on the App Store Google play

The Russound MCA-88X digital multi-zone controller amplifier with built-in XStream™ streaming media player provides up to eight zones of distributed audio for up to 8 audio sources. Scalable to 48 zones,* the MCA-88X provides numerous options to tailor to residential or light commercial distributed audio systems. A variety of input options have been engineered into the MCA-88X to connect up to 8 total sources, all with analog audio loop outputs that can be either fixed or variable level. AV source input options include 8 Analog, 3 Digital (up to 3 coax, or 2 coax and 1 optical), 1 paging and 1 Bluetooth extender connection. The Bluetooth connection allows the installation of the MCA-88X in an equipment rack while remotely locating the optional Russound BTC-1X Bluetooth receiver up to 300' away. Additionally, the BTC-1X improves audio quality through the high performance aptX® audio codec. An RNET link allows for metadata transmission, linking multiple MCA controllers and connection to all Russound RNET Smart Sources such as the ST1 AM/FM external tuner.

The MCA-88X features Web Config, an on-board hosted web page used for basic configuration and firmware updates. With Web Config, configuring your controller has now never been easier. Web Config allows you to configure and update your controller from the palm of your hand using a smartphone or tablet. Future firmware updates will enable even more programming functionality.

The MCA-88X is Ethernet-enabled, allowing for IP-based features and control. Russound's IP-based open protocol, RIO (Russound I/O), allows for IP-based control systems to integrate with, control, and communicate bi-directionally with the MCA-88X. In addition to dedicated keypads and touchscreen control options, the free MyRussound™ App (iOS and Android) controls all Russound Ethernet-connected products on the LAN, including the MCA-88X and its source components.

*Up to 48 zones with additional MCA-88 controllers

The MCA-88X features 6 zones of advanced digital amplification, providing 40 watts of power per channel. All 8 zones are equipped with fixed or variable line-level outputs for outboard amplification, wireless expansion, or subzone use. Additionally, an RS-232 port for integration with serial-connected home automation systems is available for utilization on the rear panel of the MCA-88X.

Custom audio settings, party modes, do not disturb, source and zone linking, and all-on/all-off participation are standard features available on the MCA-88X. In addition the MCA-88X has alarm and sleep timers, a Home Theater trigger and one 12VDC trigger, output for power management and control. Source 8 can serve as a paging input and loop output for connection to a 3rd-party paging or phone system.

With Russound MDK-C6, SLK-1 keypads, TS3, XTS touchscreens, or the MyRussound app, the MCA-88X communicates vital information, such as preset names, station ID, artist, song titles, and album art (information dependent on the capabilities of the source being used). The simpler SLK-1 keypad can also be used for areas where basic control is sufficient, such as entry/exit areas of a home or business or any area where the MyRussound App might be the predominant control interface.

KT2-88X Kit

Multi-zone Controller Amplifier System Kit with MDK-C6

Includes:

- **6 System Keypads (MDK-C6), White**
- **Remote Control (USRC)**
- **Rack ears**
- **IR emitters**
- **Wall plates included**

Technical Specifications

MCA-88X Controller Streamer Amplifier

Audio Source Inputs	8 stereo RCA line level, 2 coax,1 coax/optical (maximum of 8 total inputs)
Audio Zone Outputs	6 speaker level 40W/ch (8 line level, fixed or variable selectable)
Watts per channel	40W, 1kHz into 8 ohms with <5% THD+N, 2 channels at full power, 10 channels at 1/8th
Frequency Response	20Hz-20kHz +/- 1 dB at 1W output into 8 ohms
Minimum Impedance	8 ohms
Total Harmonic Distortion	<0.05%, 1W output into 8 ohms 20Hz-20kHz
Signal to Noise Ratio	93 dB unweighted, 96 dB A-weighted
Common Trigger	Out, 12VDC, @100mA
Home Theater Trigger	In/Out, 12VDC (pass-through)
Page Trigger	In, 12VDC
Speaker connection	6 detachable, screwless 4 pole connectors
Keypad ports	8 RJ-45 T568A standard
IR Outputs	Up to 8 routed, with two shared outputs and 1 common
Communication ports	USB (firmware update only) 1 Serial RS-232, 19.2 kHz baud rate 1 Ethernet RJ-45, 10/100 Base T 2 RJ-45 RNET link ports
Power Supply	100-120 VAC, 60Hz US and Canada (MCA-88X) 220-240 VAC, 50Hz International (MCA-88Xi)
Fuse Rating	100-120V/T5.0A 250V US and Canada (MCA-88X) 220-240V/T3.15A 250V International (MCA-88Xi)
Dimensions	17”W x 3.75”H x 16.2”D (43.2 x 9.5 x 41 cm)
Weight	28.8 lbs. (13.1 kg)

MDK-C6 Multiline Display Keypad

CAT-5e Connection	One RJ-45 (T568A standard)
Display	70 mm W x 35 mm H high resolution LCD
Controls	Thirteen backlit hard buttons
Wall Surface Dimensions	4.5”W x 4.5”H (11.43 x 11.43 cm)
Inside Box Dimensions	3.5”W x 2.75”H x 1.5”D (8.9 x 6.9 x 3.8 cm)
Weight	1 lbs. (0.45 kg)

Product Specifications

Model/Part Number	Shipping Dimensions	Shipping Weight
MCA-88X 1550-536366	20.4”W x 20.2”D x 9.8”H (52 x 51 x 25 cm)	34.8lbs (15.8kg)
MCA-88Xi 1550-536427	20.4”W x 20.2”D x 9.8”H (52 x 51 x 25 cm)	36lbs (16.3kg)
KT2-88X 1550-536458	20.4”W x 20.2”D x 9.8”H (52 x 51 x 25 cm)	38.4lbs (17.4kg)
KT2-88Xi 1550-536465	20.4”W x 20.2”D x 9.8”H (52 x 51 x 25 cm)	39.6lbs (17.9kg)

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