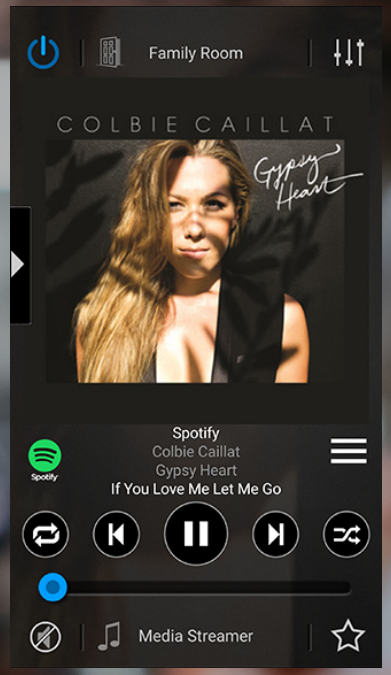
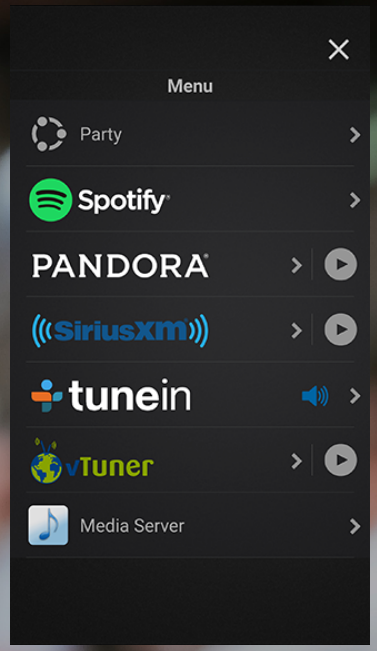
Russound

Building Sound Solutions™

MCA-88X

8 Source / 8 Zone Controller Amplifier with Built-In XSource Music Streamer





MCA Advanced Multi-zone Controllers

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

XSTREAM™

dlna Spotify PANDORA SiriusXM SiriusXM tunein vTuner Spotify

MCA-88X

8-source/8-zone Controller Amplifier Streamer

Russound

Building Sound Solutions™

XZone70V Streaming Mixer Amplifier

XSTREAM™

Next Generation of Streaming Audio

PANDORA Spotify dlna SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner

Built-in Support AirPlay Apple AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

50 years of excellence

Protecting Profits for the CI

On-Line Sales Killer / Lockdown Feature

- All Russound gear in the RCI program is shipped locked
- Will not operate until an RCI connects and unlocks the system
- On power up, the interface indicates that the 88X must be unlocked
  - The message will contain the IP address of the controller

AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

Protecting Profits for the CI

Are you RCI Certified?

- Two things must be done that require an internet connection:
- 1. Enter valid Russound Certified Installer credentials
  - Shipped locked / must be unlocked & configured by an RCI
- 2. Check/Download latest firmware update using Web Config
  - Note: If you plan on installing this on a job site without internet access, configure it at your shop with internet access BEFORE you take it to the job site

AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

Russound

Building Sound Solutions™

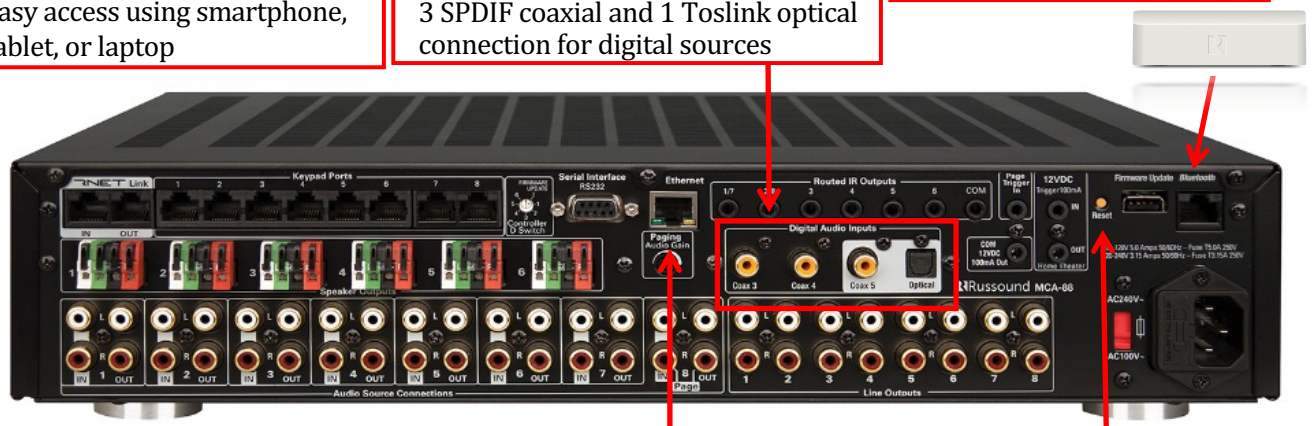
MCA-88X Controller Amplifier Streamer

New Features C-Series Controllers

Web-based Programming
Web configuration with easy access using smartphone, tablet, or laptop

Digital Audio Inputs
3 SPDIF coaxial and 1 Toslink optical connection for digital sources

***Bluetooth* Extension Input**
Connect Russound BTC-1X



RCI credentials required to activate and install this product

RUSSOUND CERTIFIED INSTALLER REQUIRED

Network Connection
Programming performed over IP only

Factory Reset Button
A 3-second press and hold resets network to DHCP. A 10-second press and hold deletes all configuration information and locks the unit.

AirPlay

Spotify

SiriusXM

vTuner

tunein

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

Russound

Building Sound Solutions™

MCA-88X Controller Amplifier Streamer

Key Features

- Features built-in XStream™ music streamer for playing content from the cloud, home network, tablets and phones
- Zones 1 – 6, 40W per ch (Class D) (7 & 8 pre amp out only)
- 8 analog inputs/3 digital input coax/1 optical input
- Audiophile quality DAC's support Hi-Res Audio (24 bit/192kHz)

AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

Russound

Building Sound Solutions™

MCA-88X Controller Amplifier Streamer

Key Features

- Fixed/Variable Line Out for All Zones
- RS232 and IP Controllable
- 6 Routed IR Outputs, plus 1 common
- Control via intelligent IR learning

AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

Russound

Building Sound Solutions™

MCA-88X Controller Amplifier Streamer

Key Features

- Supports Bluetooth® with optional BTC-1X
- Expandable (x6) to up to 48 Zones (1-88X w/5-88's)
- Paging system support with dedicated 12v trigger input
- Home Theater 12v trigger in/out for shared sources

AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay

50 years of excellence

Russound

Building Sound Solutions™

MCA-88X Controller Amplifier Streamer

Key Features

- Control via MDK-C6, SLK-1, XTS, computers, phones and tablets
- Party Mode, Do Not Disturb, and Source / Zone Linking options
- Alarm clock and sleep timer (with MDK-C6 keypad required)
  - Alarm function requires a dedicated source input such as the ST-1 Smart Tuner
- All of the configuration can be performed using Web Config

AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

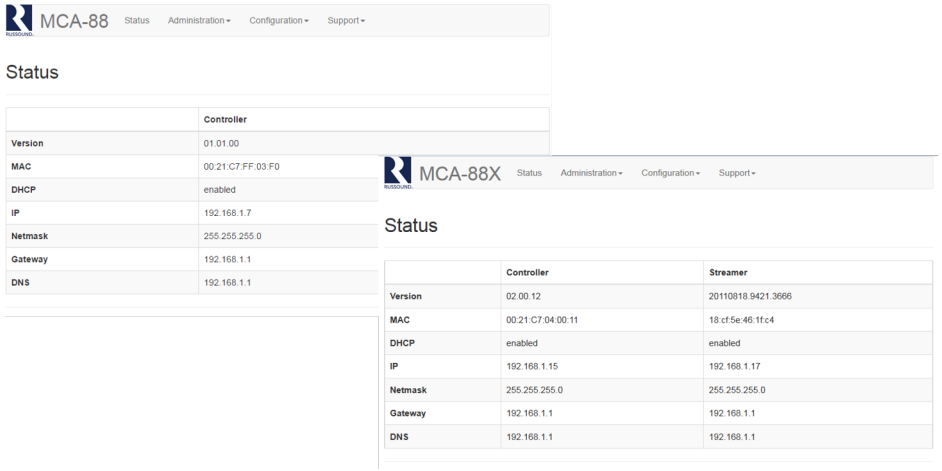
dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay

50 years of excellence

MCA-88X Controller Amplifier Streamer

Web Config Features

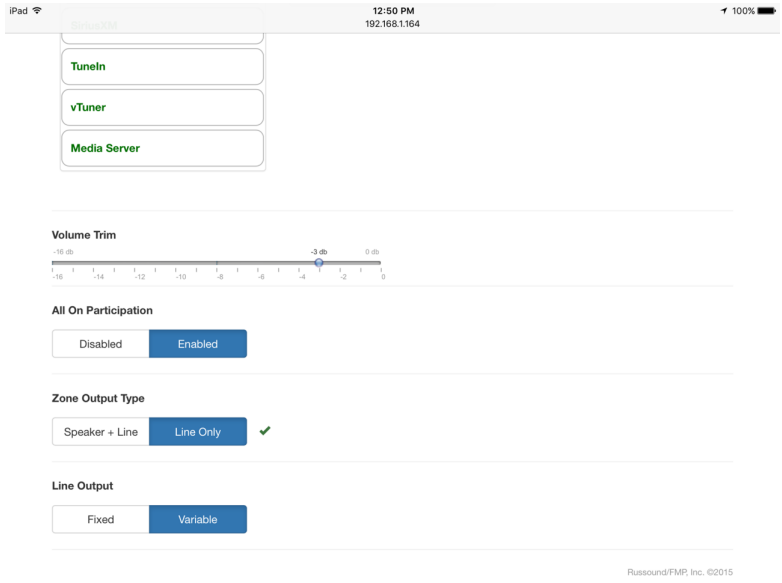
- Allows the installer to connect via its IP address using phone, tablet, or laptop and configure the entire system
- Designed to be used with any internet browser
- The installer now has the ability to get a system up and running right from their phone or tablet, quickly and easily



MCA-88X Controller Amplifier Streamer

Web Config Features

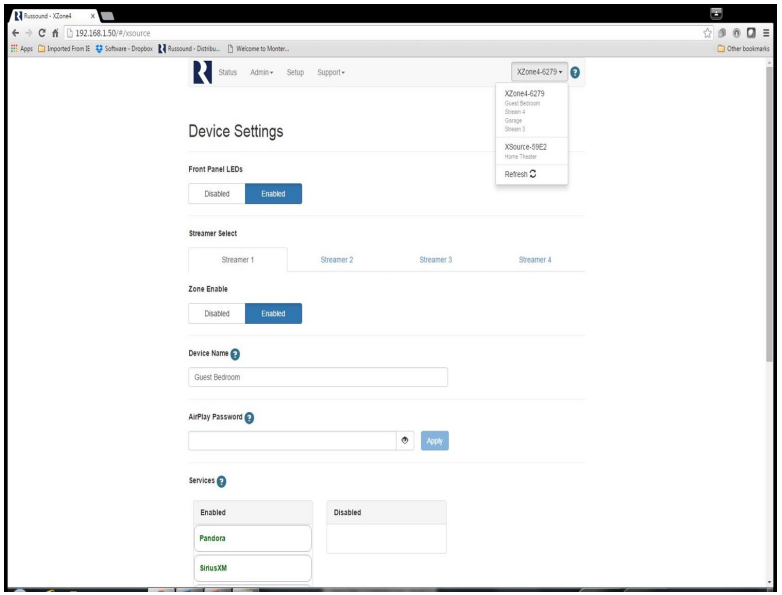
- Assign Zone and Source names
- Network configuration (DHCP/static IP)
- Firmware Updates
- Zone Volume Trim
- Enable/Disable Zone “All On” Participation
- Source Type and Volume Trim
- Switch between Digital and Analog inputs



MCA-88X Controller Amplifier Streamer

Web Config Features

- IR Source Programming
- Learned IR Programming
- Macro Setup
- Save/Load configuration files
- Zone Page enable/disable
- Keypad button configuration
- Power Management configuration
- Source and Zone Linking
- Backup and restore



Russound

Building Sound Solutions™

MCA-88X Controller Amplifier Streamer

Advanced Configuration Options

- Zone and Source Names - a list of predefined names are available
- Custom naming is also possible
- Source Exclusion - limit the sources available to a particular zone
- Party Mode Participation - defines whether a zone can participate

AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

Russound

Building Sound Solutions™

MCA-88X Controller Amplifier Streamer

Advanced Configuration Options

- Zone and Source Linked Groups - two groups of each type are allowed per controller
- Groups share source selection and party mode participation
- All ON Participation - defines whether or not a zone will respond to the All ON command

AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

Russound

Building Sound Solutions™

MCA-88X Controller Amplifier Streamer

Advanced Configuration Options

- Adjust Bass, Treble, Balance, Loudness and Turn On Volume initial settings per audio zone
- IR Keycode Learning - allows IR codes to be learned, saved, and managed
- Page Input on Source 8 - assigns Source 8 as a paging input

AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

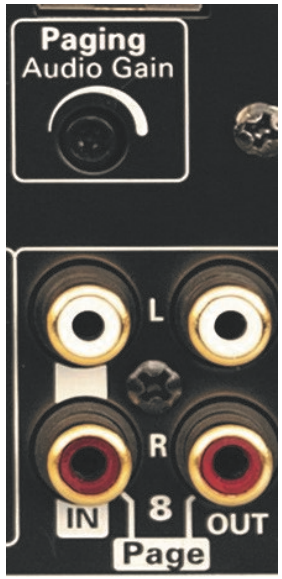
dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay

50 years of excellence

MCA-88X Controller Amplifier Streamer

Advanced Configuration Options

- Page Participation - defines whether a zone will respond to a page event
- Page Volume - sets the volume of a page event in each zone
- Both options set in Web Config



AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay

50 years of excellence

MCA-88X Controller Amplifier Streamer

Power Management

- Automatically turns the sources on/off when the system is in use or standby or the home theater trigger has a12VDC signal present
- Initialized when the first KP/zone is turned on, then listens for audio
- If no audio is detected, an installer determined “Power On” IR command or macro is sent to that source to turn it on

AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

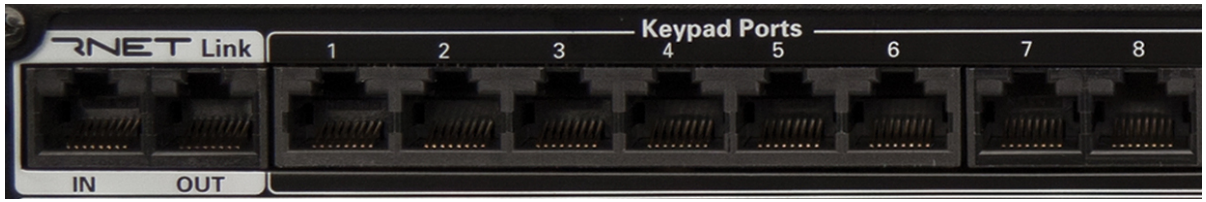
dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay

50 years of excellence

MCA-88X Controller Amplifier Streamer

Controller / Keypad Connection

- Each dedicated keypad connects to a keypad port near the top left
- These RJ-45 ports support MDK-C5, MDK-C6 and SLK-1 keypads



AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

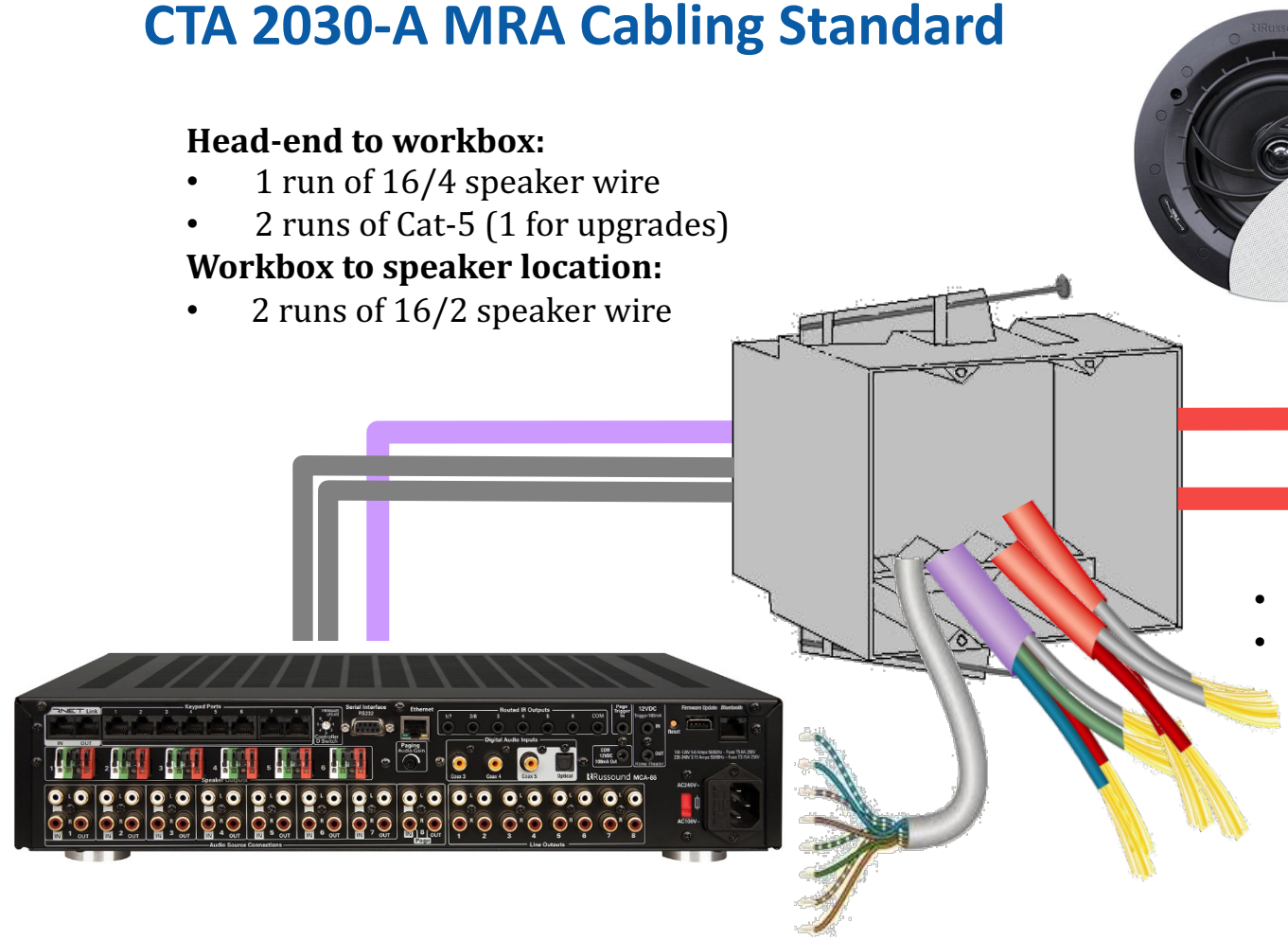
dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

Distributed Audio Cabling Standard

CTA 2030-A MRA Cabling Standard

Head-end to workbox:
- 1 run of 16/4 speaker wire
- 2 runs of Cat-5 (1 for upgrades)

Workbox to speaker location:
- 2 runs of 16/2 speaker wire



Benefits
- Service loop
- Access for upgrades
  - Compoint™ Intercom
  - Local source (TV, Amp, Home Theater)

50 years of excellence

Russound

Building Sound Solutions™

MCA-88X System Control Options

Advanced Multi-zone System Control

MyRussound App

XTS
Wall-mounted
Color Touchscreen

MDK-C6
Multiline Display
Keypad

SLK-1
Single Line
Keypad

USRC
Universal Remote Control

Wired & Wireless Control Options

SLK-1

MDK-C6

APP

XTS

50 years of excellence

MDK-C6 Keypad

- All On / All Off
- DND
- Party Mode
- F1 & F2 Favorites
- AUX IR Input
- Plus…
- Built in clock
  - Sleep timer
  - Alarm clock
    - Snooze feature

Home Screen

MDK-C6 Keypad

UL/CSA approved doublegang at least 32 cu. in.

Keypad installation

- 1 keypad inside the workbox
- Needs 1 run of Cat-5

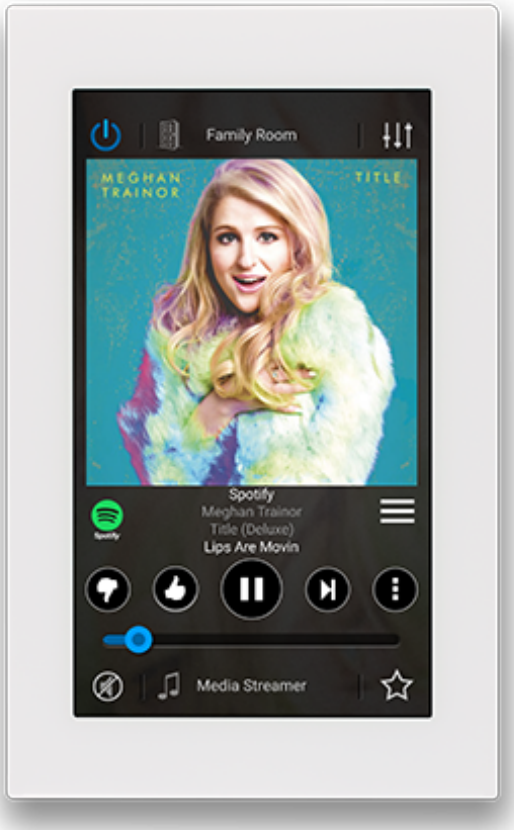
SA-ZX3 Keypad Splitter

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner | Spotify AirPlay 50 years of excellence

XTS Network Touchscreen

The In-Wall App! XTS Touchscreen

- Elegant, low-profile design
- 4.7” (11.9 cm) high res QHD LCD display
- Powerful Cortex-A9 Processor
- Runs the MyRussound™ App in a permanent location on the wall
- Gigabit Ethernet, with PoE
- Supports all MCA-Series/C-Series controllers and XStream systems



XTS Network Touchscreen

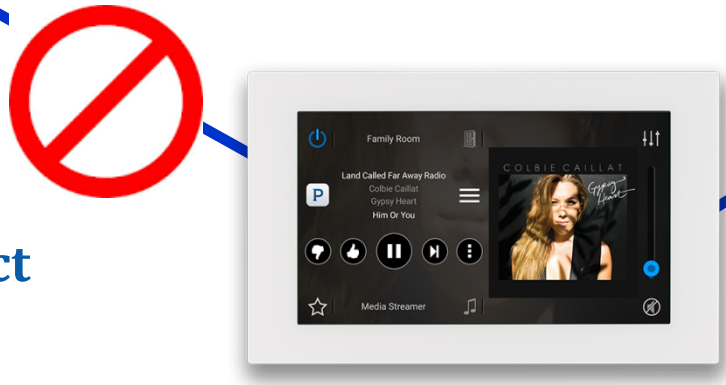
In-Wall App! XTS Touchscreen

- Included in the box:
  - XTS mounting bracket
  - 2 screws
- Recommend low profile P-ring or electrical box
- Must be flush to the wall surface
- Install in Portrait or Landscape orientation

XTS Network Touchscreen

In-Wall App! XTS Touchscreen

- The XTS is an IP-Networked Device
- Connects network device (*not* the keypad port on the MCA)
- Connects to the same network as the Russound controller



Do Not Connect to the MCA

Connect to the network

50 years of excellence

XTS Network Touchscreen

Networking & Power Options

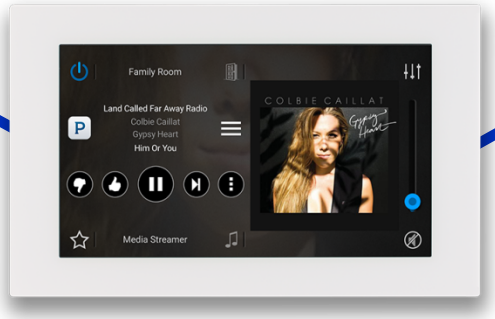
Connects to a PoE power injector

OR

802.3af (standard PoE) switch

PoE
Power over Ethernet

PoE Injector



8-Port Gigabit PoE Switch

Installations where using PoE power is not possible:

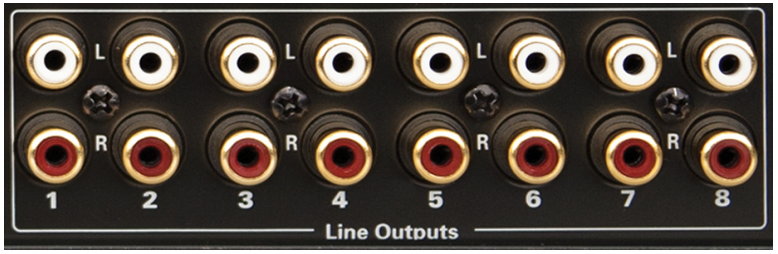
- Power Supply 12VDC @ 2Amp (not included)

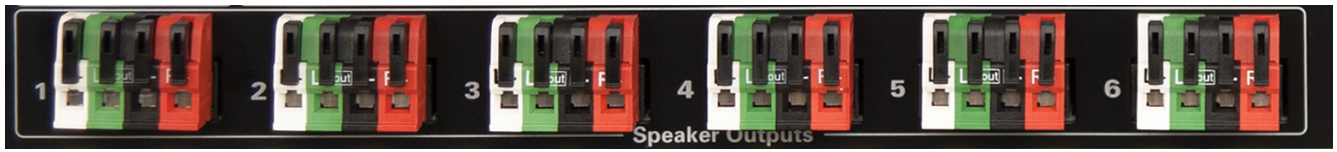
50 years of excellence

MCA-88X Controller Amplifier Streamer

Speaker Output Connections

- Digital Amplifiers zones 1-6 (2X40W per ch @8Ω X 6)
- High-current digital amplifiers (8Ω recommended)
- Line level outputs are available for all 8 zones
  - Can be configured for fixed or variable output





AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

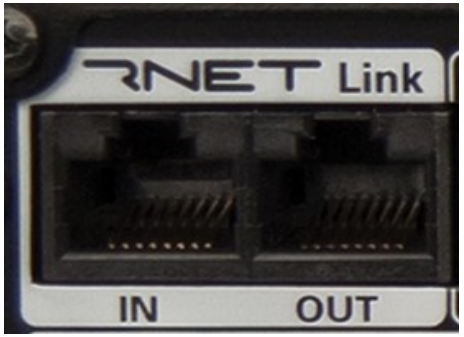
dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner | Spotify AirPlay

50 years of excellence

MCA-88X Controller Amplifier Streamer

RNET Sources (SMS, ST, BGK…)

- RNET Link ports are used to connect RNET sources
- CAT-5e cable (18” max) from either RNET Link ports on the controller to either RNET Link ports of the RNET source
- Bi-directional In/Out (labeled for convenience)



AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

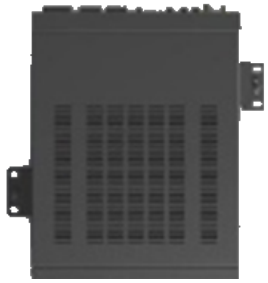
dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay

50 years of excellence

MCA-88X AM/FM Tuner Option

ST-1 AM/FM Tuner Option

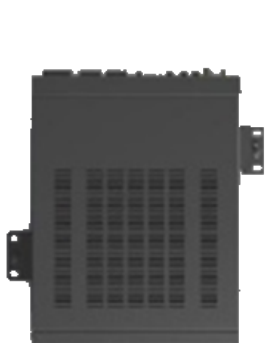
- Internal tuner, on previous controllers, was replaced with a Bluetooth® input extension BTC-1X receiver
- For AM/FM, add our ST-1 component tuner



MCA-88X AM/FM Tuner Option

ST-1 AM/FM Tuner Option

- AM/FM tuner with RDS
- 6 Banks & 6 Presets
- Built-in 110-240 VAC power supply
- Great solution for adding a tuner to the 88X



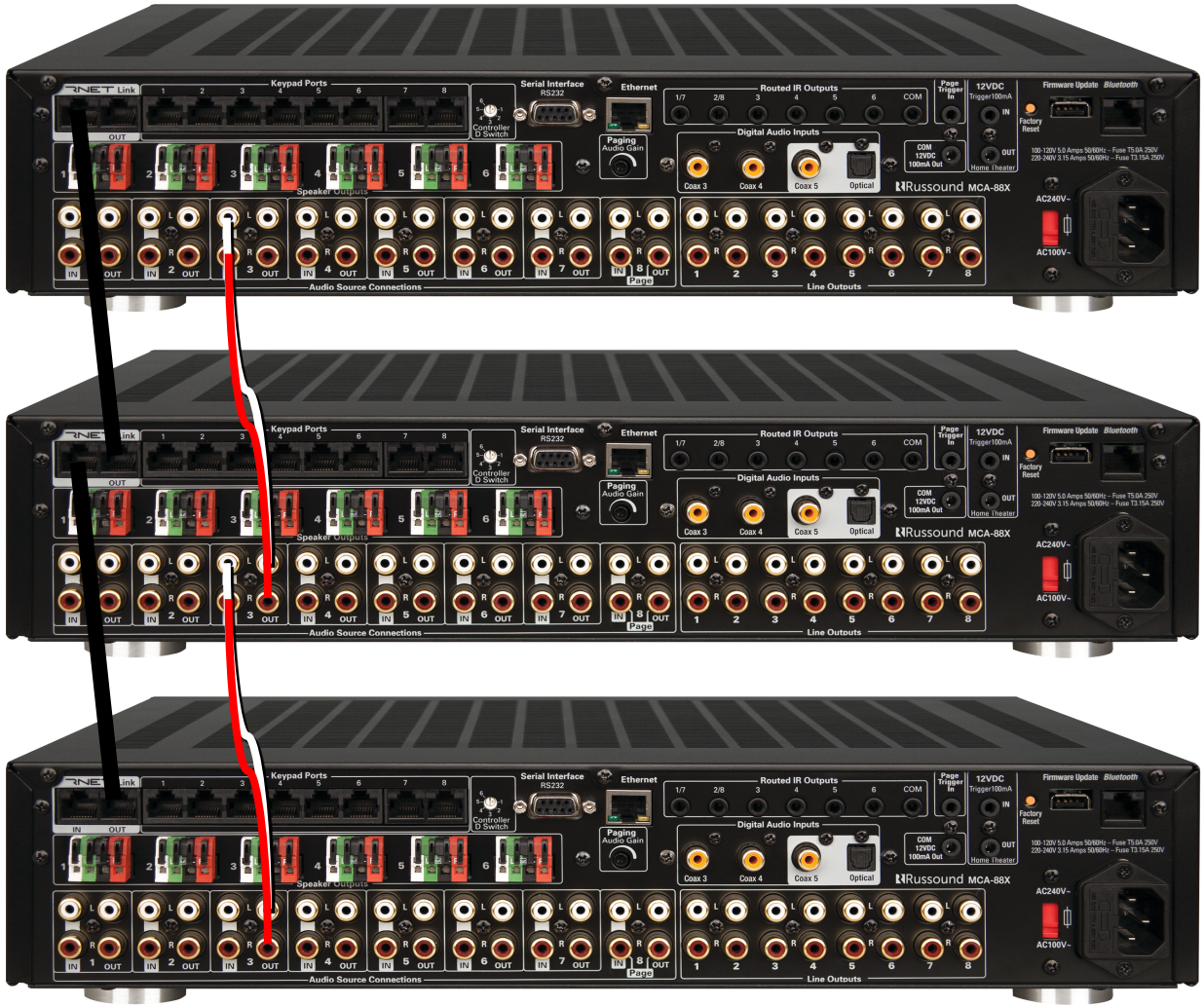
MCA-88X Controller Amplifier Streamer

Source Audio Connections

- Source inputs 1 - 8 are signal sensing stereo audio inputs
  - "Listen" for audio from all connected sources
- These sources can be global sources, or local sources
- Source outputs are buffered loop outputs
  - Loop out for multiple controllers
  - What goes in is what comes out

AirPlay
RUSSOUND CERTIFIED INSTALLER REQUIRED
Hi-Res AUDIO 24 bit/192kHz
dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay
50 years of excellence

MCA-88X Controller Amplifier Streamer



50 years of excellence

MCA-88X Controller Amplifier Streamer

Source Audio Connections

- By default:
- Bluetooth is configured to be source 1
- Streamer is configured to be source 2
  - Additional XSource streamers start at source 3 input

AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

Russound

Building Sound Solutions™

MCA-88X Controller Amplifier Streamer

Primary Zone

- Allows a zone to serve as the default zone for a source
- Music services can instantly turn on the Primary Zone and start playing music from your phone
- Default, Zone 1 is Primary Zone for the built-in XStream streamer

AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

MCA-88X Controller Amplifier Streamer

Bluetooth (Optional BTC-1X)

- Optional Bluetooth module can be located up to 300 feet away
- Connection takes up Source #1
  - If not being used, Source #1 can be configured for a different analog source
- Primary Zone can be set as the default zone for Bluetooth

AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

MCA-88X Controller Amplifier Streamer

Digital Audio Inputs

- Digital source inputs, for both coaxial and optical audio connections
- Sources 3, 4, and 5 are available as either analog or digital inputs
- Designate whether to use the analog or the digital connection

AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

MCA-88X Controller Amplifier Streamer

Digital Audio Inputs

- Use only one type of connection for each source (Coax or Optical)
- Built-in XStream music streamer for popular streaming services
- Default, source 2 is configured for the internal XSource music streamer

AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay

50 years of excellence

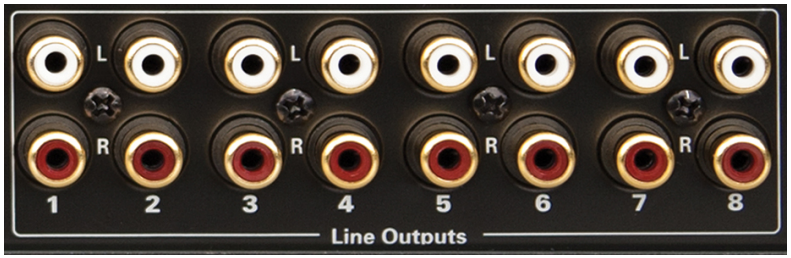
Russound

Building Sound Solutions™

MCA-88X Controller Amplifier Streamer

ZONE AMPLIFIERS

- Fixed / Variable Line Outputs all zones
- Variable (zone KP volume control) or Fixed (for outboard amp w/ VC's)
  - Fixed, zone audio signal is always on
- Zones 7 and 8 are pre amp out only



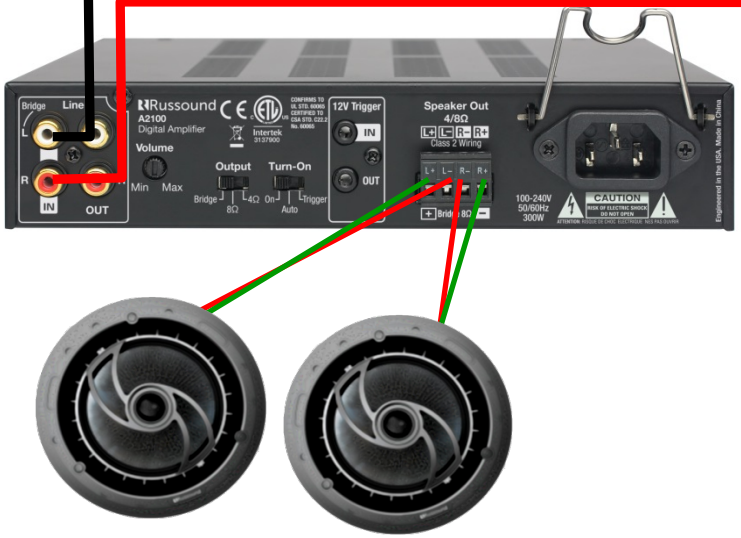
AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

NEW A2100 Power Amplifier



- Perfect solution to power zones 7 & 8 on your MCA-88X
- Mount 2 side x side in 1 single rack space w/included brackets

50 years of excellence

The XZone70V - Constant Voltage / Mono

Creating Outdoor Zones Without Common Restrictions

Hi-Res AUDIO
24 bit/192kHz

RUSSOUND CERTIFIED INSTALLER REQUIRED

50 years of excellence

Russound

Building Sound Solutions™

XZone70V Streaming Mixer Amplifier

- 300 Watt Output / 70v Operation
- Built-In XStream Music Streamer
- USB Port for Flash/Hard Drive Audio
- Built-In support for Apple Airplay

Hi-Res AUDIO 24 bit/192kHz

vTuner

SiriusXM SATELLITE RADIO

SiriusXM MUSIC FOR BUSINESS

AirPlay

Spotify

PANDORA Spotify dlna SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner

Built-in Support AirPlay **Apple AirPlay**

50 years of excellence

Russound

Building Sound Solutions™

XZone70V Streaming Mixer Amplifier

- Mic Input (Phantom Power Support)
- 3.5mm Audio Source Input
- Easy Browser-based Configuration
- Flexible Mounting Options

PANDORA Spotify dlna SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner

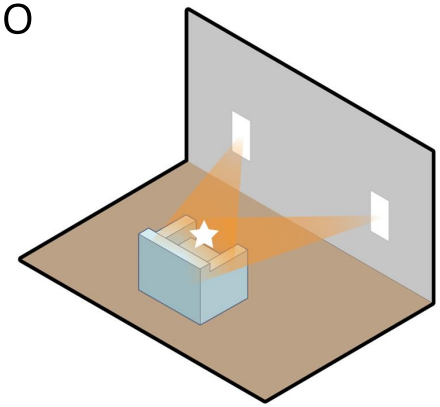
Built-in Support AirPlay Apple AirPlay

50 years of excellence

Go Mono not Stereo

Mono

- For stereo imagining to be effective, you need to be in the sweet spot
- In outdoor locations, *where* *is* the sweet spot?
- Mono will provide more even coverage
- Put the sound where the people are…
- Go mono



Transformers & Tap Settings

Step-Up Transformers

- Amplifiers use *step-up* transformers to create constant voltage (70V/100V)
- Constant voltage is sent down a single speaker wire

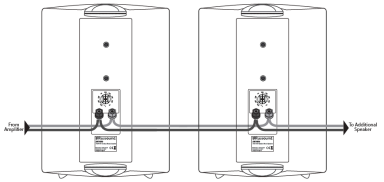
Step-Down Transformers

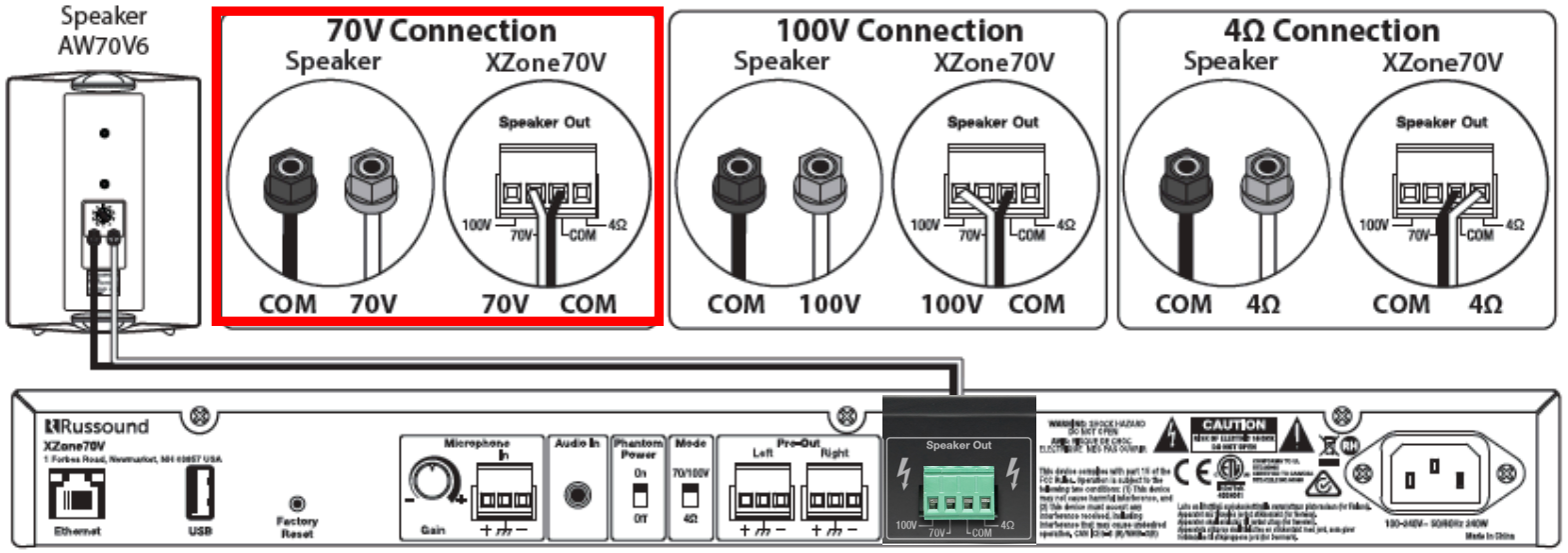
- Speakers use *step-down* transformers to budget that voltage down to a usable level
  - Various tap settings allow the installer to adjust the output at each speaker

Connecting 70V Speakers

Speaker Connections

- Wiring is much simpler than a traditional Low Z residential amplifier
- All connections are made in parallel
- Multiple speakers can be run on a single speaker wire





XZone70V

Designing a Typical 70V Zone

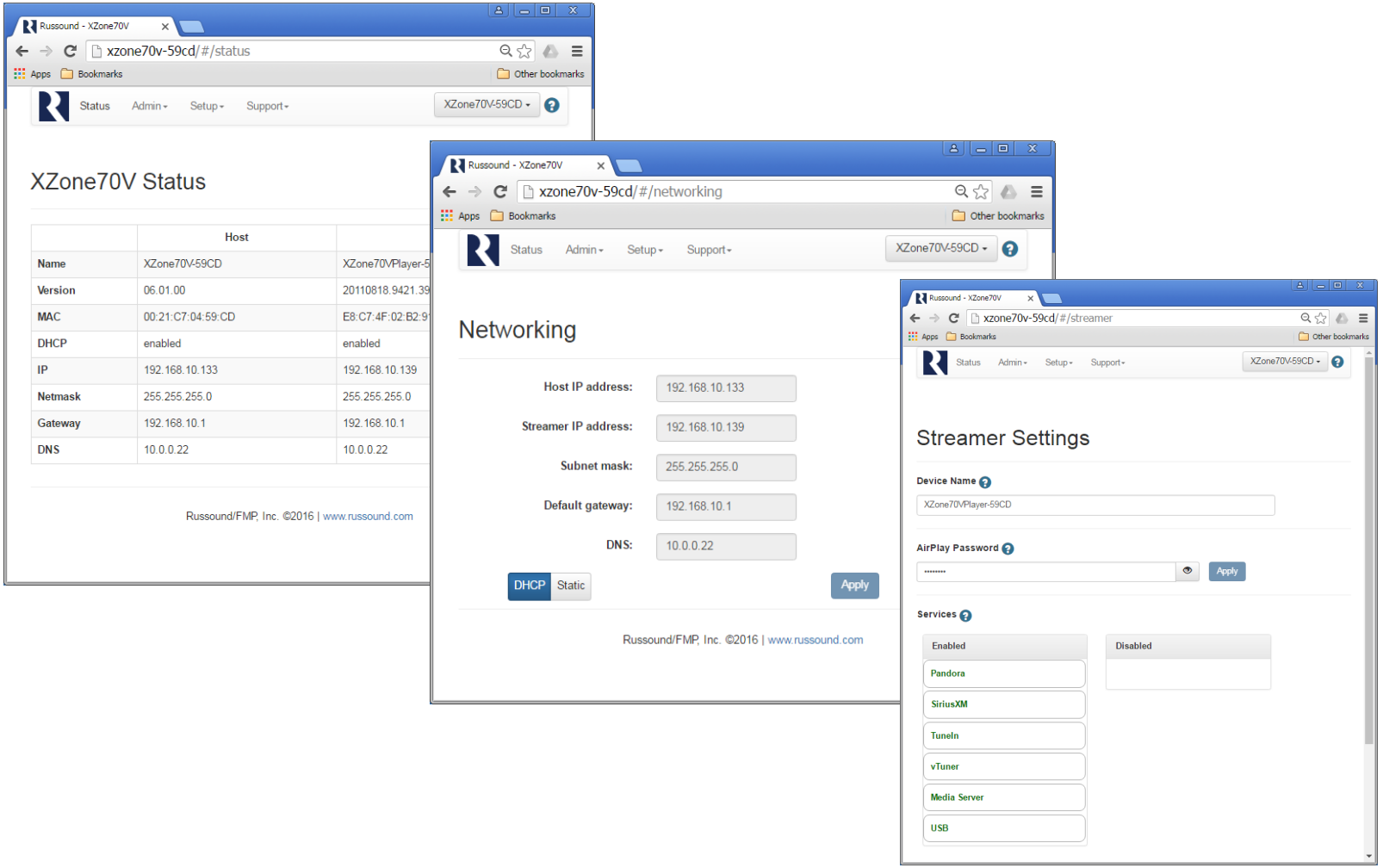
16 Speaker Example

- You have an XZone70V / 300W amplifier
- You have 16 speakers tapped at 15 watts each
- 16 Speakers X 15watts each = 240 watt load
- 60 watts of reserve power (headroom)
- 20% recommended headroom (60w)
- More speakers at lower tap settings / avoids hot spots / provides even coverage / make more $

Russound

Building Sound Solutions™

Web Config for Your Outdoor Zone



50 years of excellence

MCA-88X Controller Amplifier Streamer

Common 12VDC Trigger Output

- Used to trigger additional amps when needed
- Supplies 12VDC 100mA when any one zone is turned on
- As long as at least one zone is on, the output will remain active
- Will become inactive once all zones of the controller are turned off

RUSSOUND CERTIFIED INSTALLER REQUIRED
Hi-Res AUDIO 24 bit/192kHz
AirPlay
dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay
50 years of excellence

MCA-88X Controller Amplifier Streamer

Page Input Source

- Paging audio input on Source 8 (right channel only)
- Line level audio signals via an RCA cable
- Interfaces with the page output of a 3rd party telephone system
- When a page event is engaged, it interrupts audio outputs for all enabled zones

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

AirPlay

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay

50 years of excellence

MCA-88X Controller Amplifier Streamer

Page Input Source

- Paging can be disabled permanently in each zone by software programming or temporarily with Do Not Disturb
- To utilize Source 8 for paging input, must be configured as a page source in Web Config
- If Source 8 is enabled for paging, only 7 other source inputs are available

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

AirPlay

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

MCA-88X Controller Amplifier Streamer

Page Trigger IN

- Used to trigger a page event
- Configurable per zone using Web Config
- Allows the page to to any zone with paging enabled or not in Do Not Disturb mode
- Connect a mono RCA cable to the right channel input on source 8
- Connect the 12VDC Trigger Out from the phone system to the Page Trigger Input

MCA-88X Controller Amplifier Streamer

Home Theater Trigger

- Used with HT receivers with 12VDC trigger output
- Power Management checks to see if HT is in use before powering down sources
- Delays Power Management from sending the all off command if the Home Theater system in use

RUSSOUND CERTIFIED INSTALLER REQUIRED
Hi-Res AUDIO 24 bit/192kHz
AirPlay

MCA-88X Controller Amplifier Streamer

12VDC trigger OUT

- Used to trigger device or component such as a Russound D850 Amplifier
- Two-conductor cable with 3.5mm male mini-plug ports at each end
- The tip is positive (+) and the sleeve is negative (-)

RUSSOUND CERTIFIED INSTALLER REQUIRED
Hi-Res AUDIO 24 bit/192kHz
AirPlay

MCA-88X Controller Amplifier Streamer

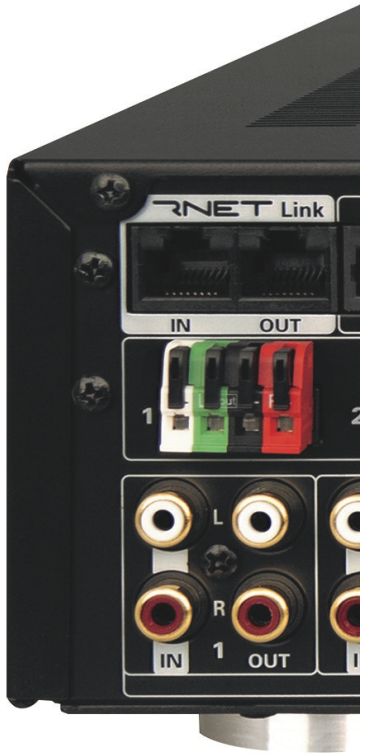
Routed IR Outputs

- Six routed IR emitter outputs are supported by the MCA-88X IR engine and support IR pass-through
- Zones 1 and 7 share an output as do Zones 2 and 8, allowing IR routing to up to 6 total sources
- A common IR output is also available
- The IR signals travel the RNET Link cable to additional controllers

MCA-88X Controller Amplifier Streamer

Multi-Controller Installs

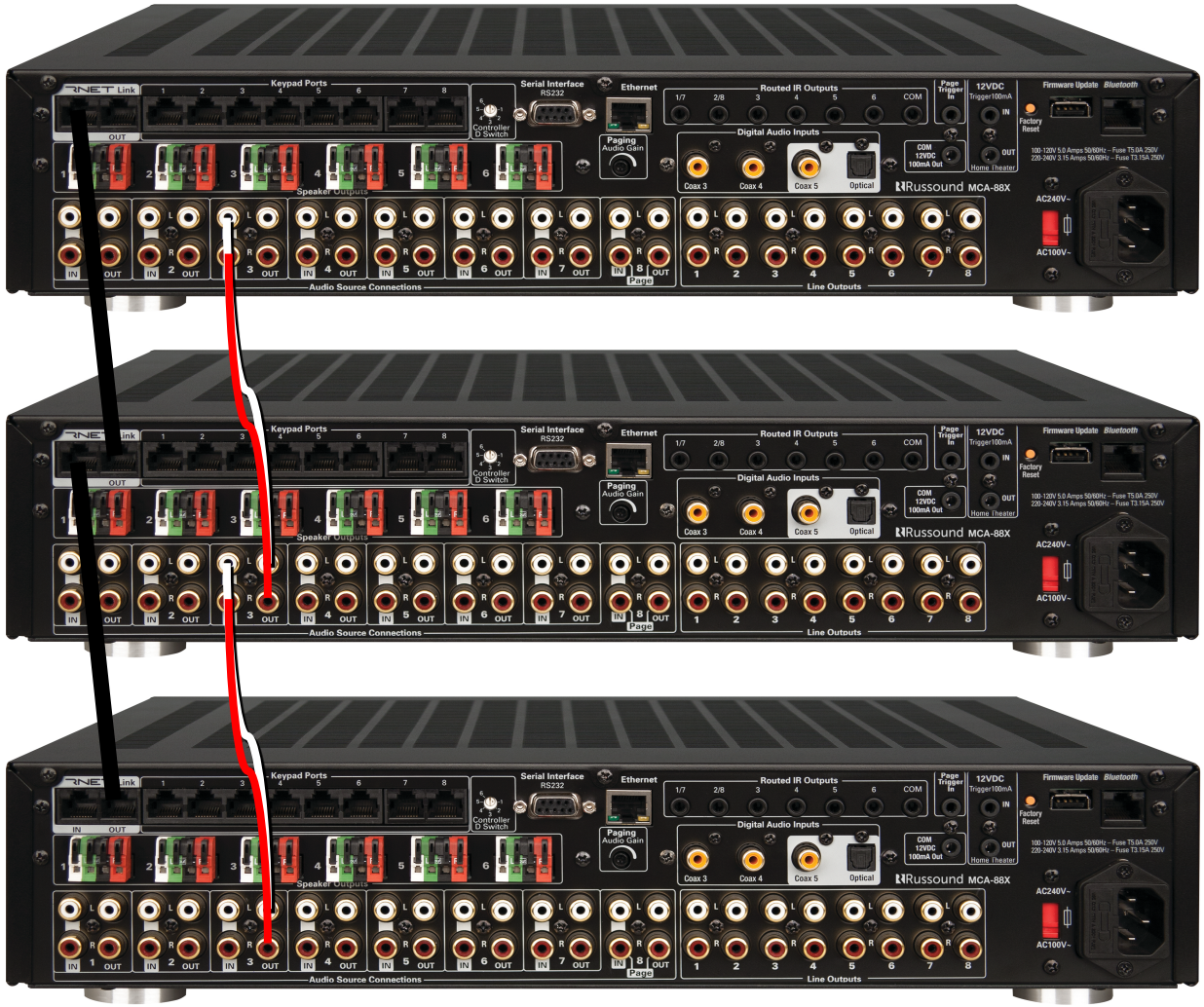
- RNET Link ports can be used to connect up to 5 additional controllers for up to 48 zones
- CAT-5e patch cable from RNET Link port from controller 1 to RNET Link port on next controller
- RNET passes data signals, source IR signals
- Max link cable length – 18” (avoids crosstalk)
- RJ45 ends using T568A standard



RUSSOUND CERTIFIED INSTALLER REQUIRED
Hi-Res AUDIO 24 bit/192kHz
AirPlay

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

MCA-88X Controller Amplifier Streamer



50 years of excellence

MCA-88X Controller Amplifier Streamer

Multi-Controller Installs

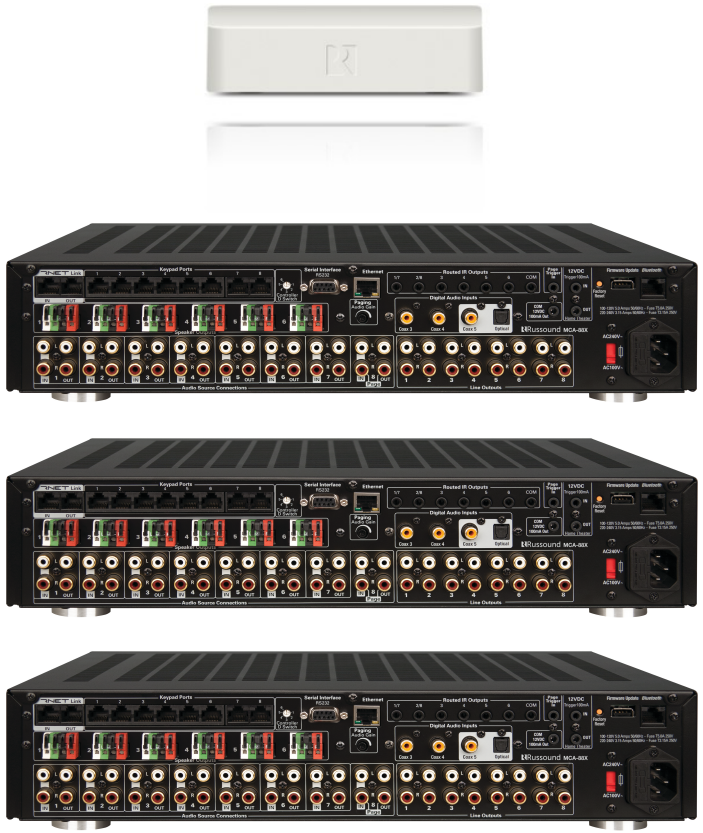
- Standard RCA cables to link sources between multiple controllers
- Left and right source outputs on each controller go to the corresponding source inputs on the next controller
- Ethernet connection to the LAN is only required on Controller #1
- When using the BTC-1X Bluetooth on Source 1, connect the Source 1 OUT on Controller 1 to the Source 1 IN on Controller 2
- Continue the audio loop to other controllers, if necessary

RUSSOUND CERTIFIED INSTALLER REQUIRED
Hi-Res AUDIO 24 bit/192kHz
AirPlay
dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

MCA-88X Controller Amplifier Streamer

Multi-Controller Installs

- Only 1 - BTC-1X can be connected in a system (controller 1)
- Signal is then passed to each additional controller
- Only 1 internal streamer from an MCA-88X may be used in a system
- With multiple controllers, use only 1-88X w/up to 5 - 88's as slaves



RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

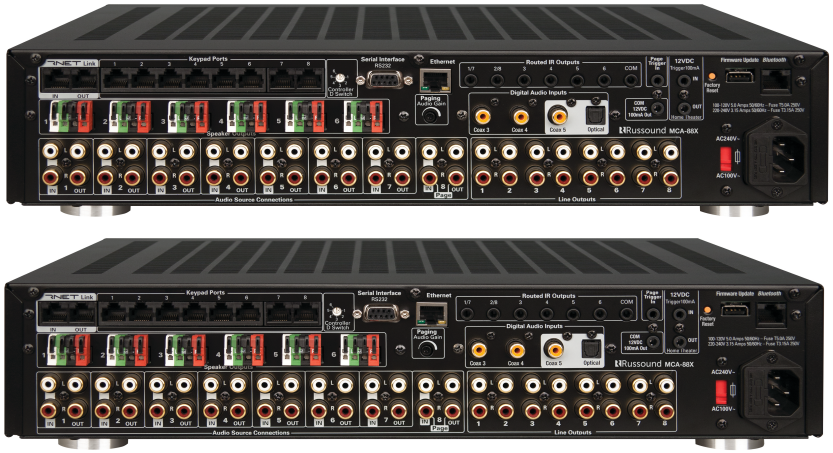
AirPlay

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

MCA-88X Controller Amplifier Streamer

MCA-88X with MCA-88s

- Built-in streamer only active on controller number one
- Scalable up to 48 zones



MCA-88 (up to 5) + MCA-88X

XSTREAM™

1 streamer built-in

Available across multiple controllers

MCA-88X Controller Amplifier Streamer

Controller ID Switch Settings

- For multiple controllers, the controller ID must be set
- Each controller must be set to a unique number before power up

MCA-88 (up to 5) + MCA-88X

MCA-88X Controller Amplifier Streamer

AirPlay Streaming

- AirPlay enables you to listen to your iTunes library or other audio content from any AirPlay-enabled device through the 88X
  - With AirPlay, your iOS device becomes an extension of your audio system
- Pre configured to zone 1 to allow easy access for AirPlay to instantly turn on a zone and start playing music
- Can be configured to any single zone in the system

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify

50 years of excellence

MCA-88X Controller Amplifier Streamer

AirPlay Streaming

- When selected from iTunes or an iOS mobile device, the 88X will turn the primary AirPlay zone on and select the internal streamer
- When streaming AirPlay, the volume control on the primary AirPlay *zone* and the AirPlay-enabled *device* are linked
  - A change in volume on the AirPlay-enabled device will also change the zone volume level of the MCA-88X

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

MCA-88X Controller Amplifier Streamer

Network Audio Files (Media Server)

- Access audio files on a computer or NAS drive (UPnP/DLNA)
- UPnP and DLNA protocols permit devices to discover each other and share content and control
  - Many media player software programs feature UPnP/DLNA
- Install UPnP/DLNA media server software on your computer to access iTunes library for control from a Russound user interface

AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

MCA-88X Controller Amplifier Streamer

DHCP Reset

- Can be performed using the factory reset button on the rear panel
- Reset DHCP by pressing and holding the Reset button for 3 seconds
- This will restore the MCA-88X to a DHCP connection from a static IP connection

AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

MCA-88X Controller Amplifier Streamer

Factory Reset

- 10-second press and hold will reset to its factory default settings
- When performing either of these functions, do not power down
- Will reboot automatically when ready, may take several minutes

AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay

50 years of excellence

MCA-88X Controller Amplifier Streamer

Factory Reset

- Status LED will illuminate green when the process is complete
- Deletes all configuration, personal information and accounts
- After a factory reset, will require valid RCI to config again

AirPlay

RUSSOUND CERTIFIED INSTALLER REQUIRED

Hi-Res AUDIO 24 bit/192kHz

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner Spotify AirPlay 50 years of excellence

MCA-88X Controller Amplifier Streamer

Time to Fire Up This Baby

- 1. Connect sources, speakers, network and keypads
- 2. For multiple controllers, set the controller IDs to unique numbers
  - RNET Link cables no more than 18” to link the controllers
  - Link by interconnecting the RNET Link ports / out to in / in to out
- 3. Plug in and power the sources and controller(s)
- 4. The Power LED on the front panel of each controller should be lit
  - The zone LEDs will cycle until the controller is booted, then the LEDs will go off
  - The Power LED will indicate network status
  - Error codes are derived from the number of times LED blink

MCA-88X Controller Amplifier Streamer

Time to Fire Up This Baby… Checklist

- 5. Unlock the system using your RCI Credentials
- 6. Check for latest FW using Web Config
  - Update all Russound system components if required
- 7. Configure the system using Web Config
- 8. Check ops keypads, power on, and cycle through sources
- 9. Check zone keypads / Check operation of all keypad functions
  - The zone LED should be lit if the corresponding keypad is on
- 11. Check for functional IR signal pass-through
- 12. The system is now ready to use!

Russound

Building Sound Solutions™

Constantly Innovating.
Always Distributed.

Thank you for your time

dlna Spotify PANDORA SiriusXM INTERNET RADIO SiriusXM MUSIC FOR BUSINESS tunein vTuner | Spotify AirPlay