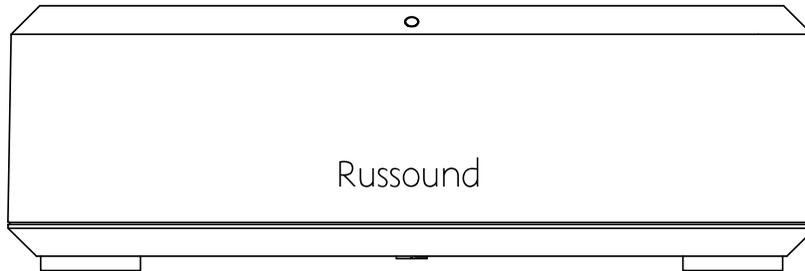


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# Russound



## **BTC-2X**

### Bluetooth Remote Transceiver

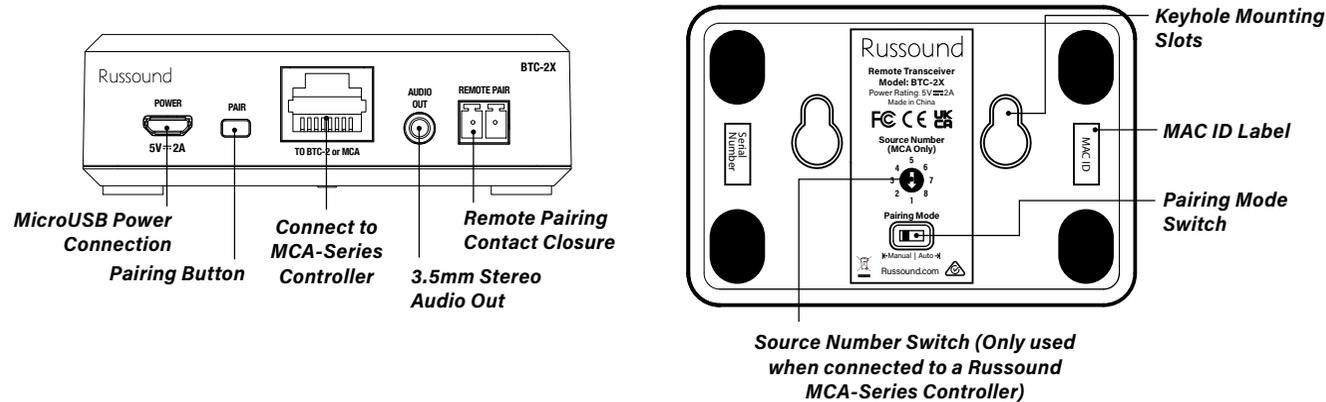
INSTALLATION GUIDE

Thank you for purchasing the BTC-2X Bluetooth Remote Transceiver from Russound. Since 1967, Russound has been providing audio professionals with the tools they need to enhance the lives of their customers. The BTC-2X can be used in multiple ways:

- As a standalone Bluetooth receiver
- As a remote Bluetooth receiver with Russound’s MCA-66 and MCA-88 controllers
- As part of the BSK-2 Bluetooth Source Kit to provide multiple Bluetooth inputs to a Russound controller in the same installation
- As part of the BSK-2 Bluetooth Source Kit to allow the Bluetooth radio to be located up to 500’ (152m) from connected audio gear, allowing for the ultimate in Bluetooth range in any home or business.

With its advanced Bluetooth 5.1 technology, the BTC-2X is the perfect solution for your Bluetooth audio needs

**GETTING TO KNOW YOUR BTC-2X**



**USING YOUR BTC-2X AS A STANDALONE BLUETOOTH AUDIO CONNECTION**

The BTC-2X can be used to easily provide Bluetooth audio from a phone or tablet to any audio system.

**AUDIO CONNECTION**

The BTC-2X can be connected to any audio device using its 3.5mm stereo output connection. Depending on the input of your audio device, use either a 3.5mm to 3.5mm cable or a 3.5mm to stereo RCA cable to connect the BTC-2X (cables not included).

**POWER CONNECTION**

*Use the included MicroUSB power cable and the included 5VDC power supply to supply power to the BTC-2X.*

Your BTC-2X includes adaptor plates for US, UK, Euro, and AUS power sockets. To change the adaptor, simply press the button marked “Push” to release the plate and, after aligning the new adaptor plate properly, simply snap it into place until it clicks.

**PAIRING MODE**

The BTC-2X has two pairing modes: automatic and manual, which are set via a convenient slide switch on the bottom of the BTC-2X.

*Automatic Pairing*

Automatic Pairing is the simplest method and is designed for use in most residential single-family homes or any environment where it is not likely to have any neighbors or other people close enough to pair their phones or tablets to the BTC-2X. When not connected to a phone or tablet, the BTC-2X will always be available to pair with any new device within range that requests pairing.

*Manual Pairing*

Manual Pairing is designed for all applications when greater control over the Bluetooth connections is desired and especially in environments where multiple homes are within Bluetooth range such as Multi-Dwelling Units (MDU's) like condominiums, townhouses, apartments, etc.

When in manual pairing mode, the BTC-2X will only be able to pair with new phones or tablets when not connected to a device and someone:

- a) Presses the "Pair" button on the rear panel of the BTC-2X; - **OR** -
- b) Activates the "Remote Pair" contact closure on the rear panel of the BTC-2X. The Remote Pair is a unique optional feature that allows an installation professional to wire a simple push button control or to use an automated contact closure from a smart home control system. This allows the BTC-2X to be hidden completely from sight and still be able to be put into pairing mode easily when desired.

**NAMING YOUR BTC-2X**

A convenient feature of the BTC-2X is the ability to re-name it to a "friendly" name that makes it easier to access and use in your home. The default name of the BTC-2X is "BTC-2X-ZZZZ" with "ZZZZ" being the last four digits of the device's MAC ID.

After installing your BTC-2X using one of the configuration options listed below, you can easily rename it to something more convenient. For example, if you install the BTC-2X in your Living Room, you can rename it to "Living Room" so that it is easier to identify on your phone or tablet's list of available Bluetooth devices.

**TO RENAME YOUR BTC-2X**

- 1) Download and install the Russound BTC-2X Naming App from either the App Store or the Google Play Store.
- 2) With the BTC-2X powered up, within Bluetooth range, and already paired to your phone, open the BTC-2X Naming App.

- 3) The app should automatically discover all Russound BTC-2X devices within range. You can refresh the screen by swiping down in the app.
- 4) Once your BTC-2X is discovered, select it and tap "Connect". Once connected, you can enter a new Bluetooth name and tap "Enter".
- 5) Your BTC-2X has now been configured with the new name.

Note: Names can be up to 15 characters long and composed of any mix of letters from A-Z, Numbers 0-9 and the "-" character. To avoid confusion, we recommend using a different name from all other Bluetooth devices in the home.

**USING YOUR BTC-2X WITH A RUSSOUND MCA-SERIES CONTROLLER**

The BTC-2X is the perfect companion Bluetooth audio solution for a Russound MCA-66 or MCA-88 audio controller. The Russound controller has an RJ-45 port on the rear panel that is used to connect a CAT5 cable to the BTC-2X. The CAT5 cable is used to carry power, data, and high quality audio signals between the two devices.

The BTC-2X can then be located up to 500' (152m) away from the MCA-Series controller and placed exactly where it needs to be in the home to provide the strongest Bluetooth signal. With its elegant design, the BTC-2X can be placed on a shelf, or it can be hidden from sight and mounted to a wall or inside a cabinet using the convenient keyhole mounting slots. If hiding the BTC-2X, we recommend using Automatic Pairing Mode. If that is not possible, the BTC-2X can be placed in Manual Pairing Mode and a remote button can be installed that uses the Remote Pair contact closure to activate pairing whenever desired.

**SETTING THE SOURCE NUMBER**

Before using the BTC-2X with a Russound MCA-66 or MCA-88, the source number switch on the bottom of the BTC-2X must be properly set to the same source number that is configured in the MCA-Series controller's WebConfig.

**SET SOURCE NUMBER ON THE BTC-2X AND THE MCA-SERIES CONTROLLER TO SOURCE 1**

By default, the RJ-45 Bluetooth connection on the MCA-Series controller is set to Source 1. The BTC-2X default source number is also set to Source 1 so that it will normally work as a plug and play installation with no extra configuration needed. Make sure that the MCA-Series controller's Source 1 is configured with the Source Type of "BTC-2X".

**CONNECTING TO THE CONTROLLER**

Use a CAT5 cable to connect the BTC-2X to the port labeled “Bluetooth” on the rear of the MCA-66 or MCA-88 controller. The CAT5 cable can be up to 500’ (152m) long. This allows the BTC-2X to be placed in the room or area where you want to have access to a Bluetooth audio source. The BTC-2X has approximately 65’ (20m) of range indoors and up to 195’ (60m) range outdoors. The actual range you experience is affected by many factors and the unique CAT5 cable connection allows the maximum flexibility in placement of the BTC-2X to obtain the best possible reception for any environment.

**METADATA WITH THE BTC-2X**

When connected to a Russound MCA-Series controller (MCA-66 or MCA-88), the BTC-2X can provide metadata such as song titles, album name, etc. that is visible on compatible Russound keypads, touchscreens or when using the Russound app.

**SOURCE CONTROL WITH THE BTC-2X**

As with the metadata, the same BTC-2X devices can also receive control commands from the Russound controller using either connected keypads, touchscreens, or the Russound app. Use these to pause, resume play, skip forward and back, etc. on any compatible Bluetooth audio source devices.

**BTC-2X SPECIFICATIONS**

Bluetooth Version	5.1
Range*	Indoors - Up to 65' (20m) Outdoors - Up to 195' (60m)
Connections	RJ-45, 3.5mm Audio Out, Remote Pairing
Pairing Modes	Automatic, Manual, and Contact Closure
Max CAT5 Cable Length to BTC-2X from Russound Controller	500' (152m)
Audio Out	3.5mm Analog Stereo Out (Cable Not Included)
Power Requirements	
	<i>Standalone Operation</i> 5VDC microUSB (110-220VAC Power Supply Included)
	<i>Working with BTC-2 or MCA Controller</i> Power Supplied by BTC-2 or MCA Controller via CAT5/6 Cable Connection (Not Included)
Dimensions (L x W x H)	3.375" (8.6 cm) x 2.25" (5.7 cm) x 1.13" (2.9 cm)
Weight	0.3 lbs (.14 kg)

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## LIMITED WARRANTY

The **Russound BTC-2X** is guaranteed for two (2) years from the date of purchase against all defects in materials and workmanship. During this period Russound will replace any defective parts and correct any defect in workmanship without charge for either parts or labor. For this warranty to apply, the unit must be installed and used according to its written instructions. If service is necessary, it must be performed by Russound. Russound assumes no responsibility for defects resulting from abuse or servicing performed by an agency or person not specifically authorized in writing by Russound. Damage to or destruction of components due to improper use voids the warranty. In these cases, the repair will be made at the owner's expense. Accidental damage and shipping damage are not considered defects under the terms of the warranty. To return for repairs, the unit must be shipped to a repair facility designated by Russound at the owner's expense, along with a Return Authorization number and documentation explaining the nature of the service required. Any product returned without

prior written permission will be returned to sender. Russound sells products only through authorized Dealers and Distributors to ensure that customers obtain proper support and service. Any Russound product purchased from an unauthorized dealer or other source, including retailers, mail order sellers and online sellers will not be honored or serviced under existing Russound warranty policy. Any sale of products by an unauthorized source or other manner not authorized by Russound shall void the warranty on the applicable product.

### WARRANTY ADDRESS

Russound  
Attn: RA# (Insert your RA number here)  
1955 Wehrle Dr  
Williamsville NY 14221

email: [tech@russound.com](mailto:tech@russound.com)