



MBT-CRX

Weatherproof Bluetooth® Controller / Receiver

FCC ID:2AD9EMBT-CRX

Product Description

The MBT-CRX is a water-resistant (IPX6 rated) Bluetooth® receiver designed for marine and powersports applications. It can be used as a stand-alone Bluetooth® source unit/receiver, connecting directly to an amplifier. It can also be used as an add-on Bluetooth® controller/receiver, connected to an existing head unit's line-level/auxiliary inputs. The MBT-CRX is not designed to drive loudspeakers directly.

What's Included

- (1) MBT-CRX Bluetooth controller/receiver
- (1) Threaded fastening collar
- (1) Thin round gasket
- (1) Thick round gasket
- (1) Square adaptor plate
- (1) Square adaptor gasket
- (4) Stainless steel mounting screws
- (1) User Manual

Installation Applications

This product is designed for operation in 12 volt, negative-ground electrical systems. Using this product in systems with positive ground and/or voltages other than 12 volts may result in damage to the product and will void the warranty. This product is not certified or approved for use in aircraft.

Safety Considerations

- Whenever possible, mount this product in a dry, well-ventilated location that does not interfere with other factory installed electronic devices. If a dry environment is not available, a location that is not exposed to heavy splashing may be used.

- While this product is designed to be water-resistant, it should never be submerged under water or subjected to high-pressure water spray.

- Do not mount in an engine compartment or in any areas of extreme heat.

- Ensure this product is securely installed so that it does not come loose in the event of a collision/sudden jolt or as a result of repeated vibrations during normal operation.

- Check before drilling to make sure that you will not be drilling into an exterior panel/hull, fuel tank, gas/brake line, wiring harness, or other vital system.

- Do not run system wiring outside or underneath the vehicle/vessel. This is an extremely dangerous practice, which can result in severe damage/injury.

- Protect all system wires from sharp edges (metal, fiberglass, etc.) by carefully routing them, tying them down and using grommets and loom where appropriate.

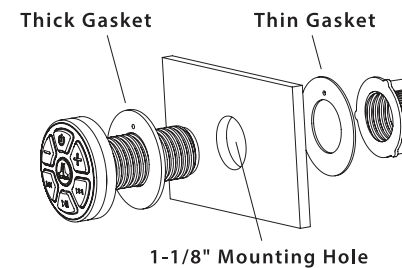
- Secure all wiring as needed, using cable ties or wire clamps to protect them from moving parts and sharp edges.

- Do not replace the power wire fuse with one of a different value. Never bypass the fuse.

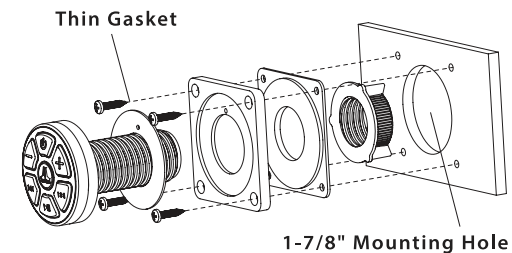
Mounting & Installation

The design of the MBT-CRX requires just a single hole for installation. Its easy-to-use threaded-collar mounting system can accommodate installations in flat surfaces up to 1.75 inches (4.5 cm) thick. A front-mounted adaptor plate is included for installations in panels exceeding 1.75 inches (4.5 cm) thick, or where rear access is limited or not possible. Refer to the diagrams below for your specific mounting application.

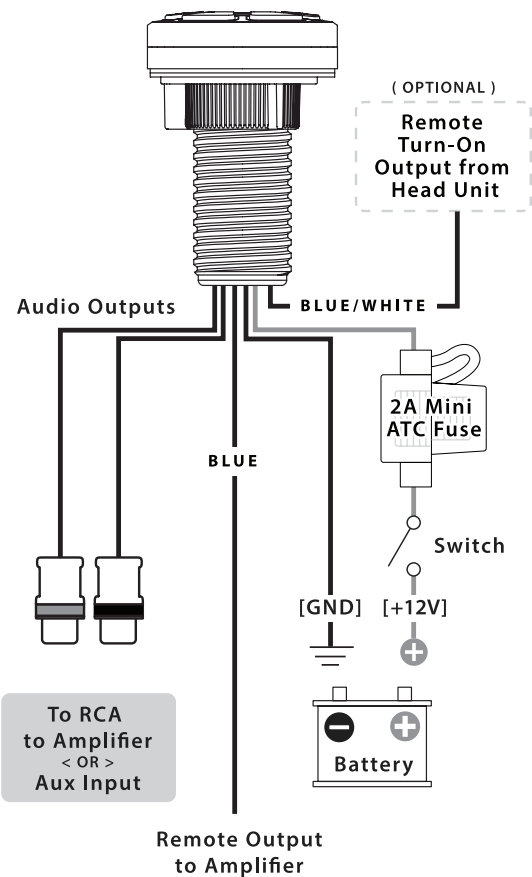
Standard Collar-Mount Installation



Front-Mount Adaptor Installation



Wiring Diagram



Note: If optional connection is made to a head unit's remote turn-on output, the head unit will turn the MBT-CRX on/off and the MBT-CRX power button will no longer operate.

Pairing Your Device

(required for operation)

1. Ensure your streaming device has Bluetooth® enabled and that the MBT-CRX is on (backlit in blue). The JL Audio logo on the MBT-CRX will blink to indicate it is in pairing mode.
2. Within your streaming device's Bluetooth® setup menu, select "MBT-CRX" from the list of pairable devices.
3. When successfully connected, the JL Audio logo on the MBT-CRX will stop blinking and remain lit. A single beep will be heard through the connected audio system.

Pairing Considerations

Multiple devices can be paired to the MBT-CRX, but only one streaming device can connect at one time.

The MBT-CRX will remember the last device that was connected to it and reconnect with it automatically. If that streaming device is not active, then other paired streaming devices can be paired.

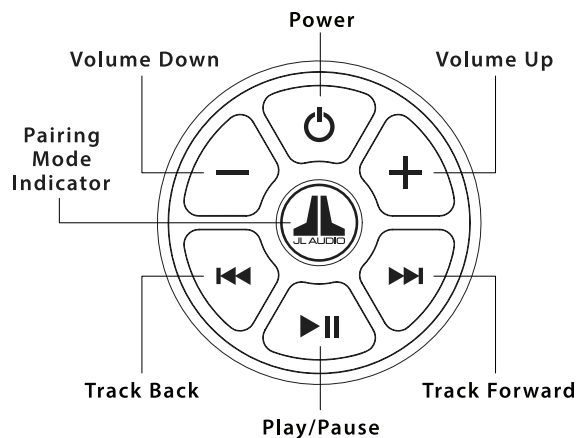
Pairing Considerations cont'd

When a connected streaming device is out of range for more than one minute, the MBT-CRX will automatically disconnect this streaming device and return to pairing mode (JL Audio logo will blink). When that same device comes back into range, it should be reconnected to the MBT-CRX manually.

Controlling Audio Playback

Once connected, use the controls on the MBT-CRX to adjust volume up/down, track selection and play/pause.

Control Legend



Specifications

Bluetooth® Profile	A2DP (High-Quality, Stereo Audio)
Bluetooth® Core Specification	Version 4.0 with aptX®
Frequency Response	20 Hz – 18 kHz (±1dB)
Outputs	One Stereo Pair, Low-Level RCA Plugs
Output Voltage	2V RMS
Signal to Noise Ratio	93 dB (20 Hz – 20 kHz)
Input Operating Voltage	8 – 28 VDC
Current Draw	48 mA (at idle) 64 mA (at full output)
Remote Turn-on Output Capacity	350 mA (max)
Fuse Rating	2A Mini ATC
Connection Range*	Up to 35 ft / 11 m

*Maximum range is achieved in line-of-sight installations, actual range will vary based on installation specifics.

2-Year Limited Warranty (U.S.A.)
Visit www.jlaudio.com for warranty details.

For Service Information in the U.S.A. please call JL Audio customer service: (954) 443-1100 during normal business hours (Eastern Time) • JL Audio, Inc • 10369 N Commerce Parkway, Miramar, FL 33025

International Warranties:
Products purchased outside the United States of America are covered only by that country's distributor and not by JL Audio, Inc.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.