

KCA-M100BT

BLUETOOTH® CONTROLLER
INSTRUCTION MANUAL
FCC ID:2AYBO-KCA-M100BT
JVCKENWOOD Corporation

■ Accessories

①		Threaded collar	1
②		Thin gasket	1
③		Thick gasket	1



• The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by JVCKENWOOD Corporation is under license. Other trademarks and trade names are those of their respective owners.
• Qualcomm aptX is a product of Qualcomm Technologies International, Ltd.
Qualcomm is a trademark of Qualcomm Incorporated, registered in the United States and other countries, used with permission. aptX is a trademark of Qualcomm Technologies International, Ltd., registered in the United States and other countries, used with permission.

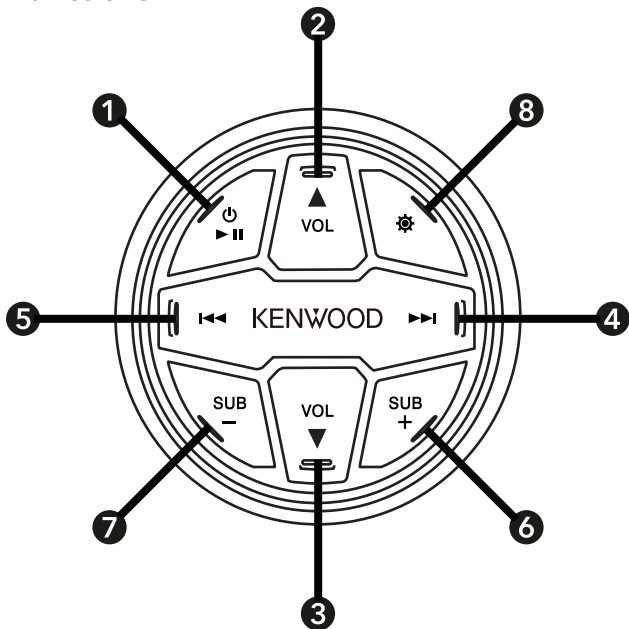
Take the time to read through this instruction manual.
Familiarity with installation and operation procedures will help you obtain the best performance from your new product.

KCA-M100BT Contents & Controller Functions

Contents

Contents & Controller Functions.....	2
Installation Instructions.....	3
Mounting Instructions.....	4
Pairing Instructions & Specs.....	5

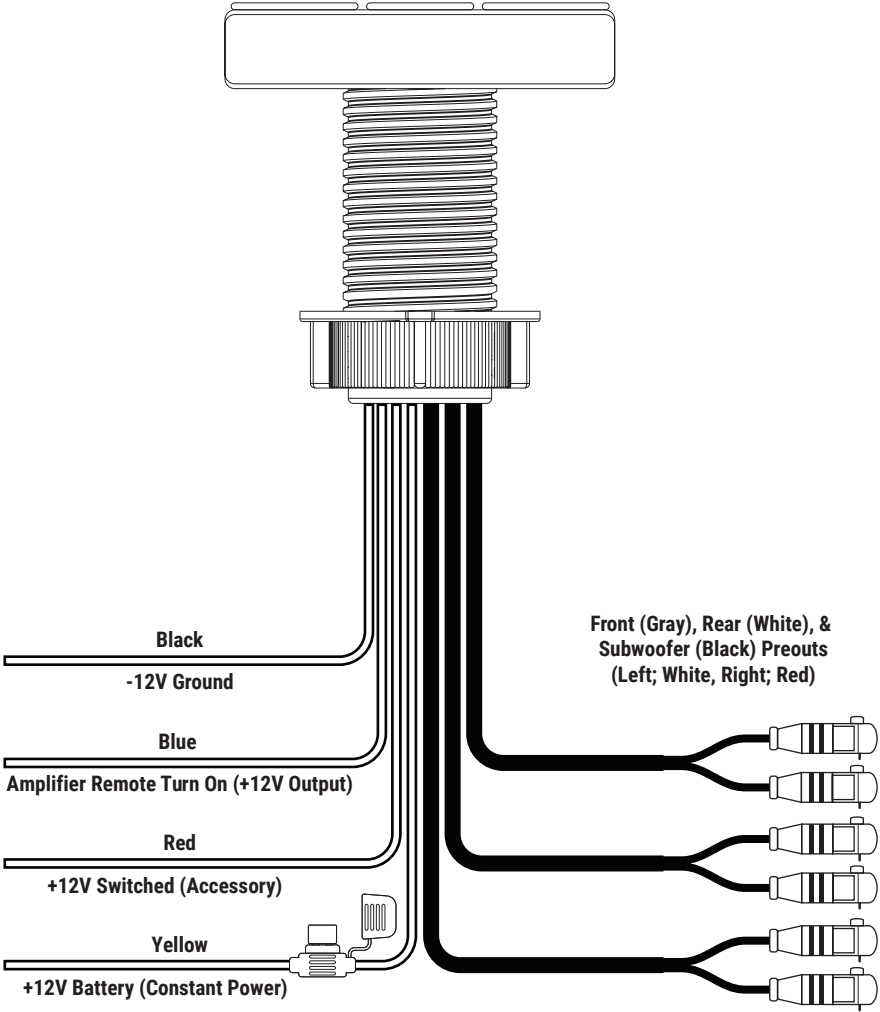
Controller Functions



❶	Power ON/OFF and Play/Pause	Power ON/OFF (Press and Hold) Play/Pause (Short Press)
❷	Volume Up	Press to Increase the Volume
❸	Volume Down	Press to Decrease the Volume
❹	Track Forward	Press to Track Forward
❺	Track Back	Press to Track Back
❻	Subwoofer Level Up	Press to Increase the Subwoofer Level
❼	Subwoofer Level Down	Press to Decrease the Subwoofer Level
❽	Bluetooth Pairing Mode and RGB Illumination Color Adjust	To Enter Bluetooth Pairing Mode (Press and Hold 3 Seconds) Press to Adjust the Illumination Color (Red, Turquoise, Purple, Lt. Green, Dk. Green, Blue, Pink)

KCA-M100BT Installation Instructions

Installation - Wiring Diagram



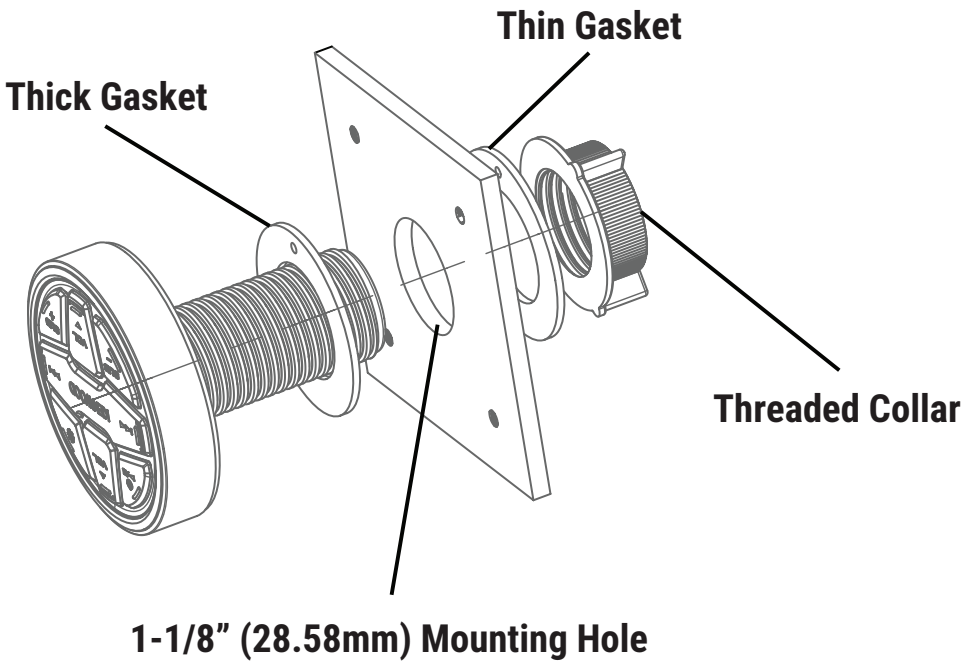
NOTE: After wiring, be sure to insulate and waterproof connections.

KCA-M100BT Mounting Instructions

Installation - Mounting

The KCA-M100BT uses a single hole for installation. It features a threaded-collar mounting system that enables installations in flat surfaces up to 1.75 inches (4.5 cm) in thickness. Please refer to the diagram below:

Standard Collar-Mount Installation



KCA-M100BT Pairing Instructions & Specifications

I How to Pair Phone / Bluetooth Device

1. Make sure Bluetooth is turned ON in the settings of the phone/Bluetooth device.
2. Press and hold the settings button for 3 seconds. The RGB lights will flash, letting you know that the Bluetooth from the KCA-M100BT is ready to pair with your device.
3. From your Bluetooth device, search for available connections and select the KCA-M100BT. At this point, the device should be connected, however, some devices may ask you to select the Bluetooth connection type. If so, select the option to connect to A2DP music but not to the hands-free profile connection (HFP). Alternatively, Some devices may have a setting in which you can disable "Phone calls" and just enable "Media audio".
4. Select a music playback source on your device to begin music playback and then the play/pause and track buttons will be active on the controller.

I 2-Phone Music Streaming - Connecting a Second Device

1. After 1st phone is already connected use the same procedure as indicated above in setsps 1-3.
2. Pause the active music playback on the first device (or from the controller), then select a music playback source on your second device and press play to begin its music playback.

I Specifications

Bluetooth® Profile	A2DP (High-Quality, Stereo Audio)
Bluetooth® Core Specification	Version 5.0 with aptX®
Water Resistance Rating	IP66
Frequency Response	20 Hz — 18 kHz (+/- 1dB)
Outputs	Front, Rear, & Subwoofer
Output Voltage	2V RMS
Signal to Noise Ratio	93 dB (20 Hz — 20 kHz)
Input Operating Voltage	9 — 16 VDC
Current Draw	48 mA (at idle); 64 mA (at full output)
Operational Temperature Range	-10° C — +60° C
Remote Turn-on Output Capacity	350 mA (max)
Fuse Rating	2A Mini ATC
Connection Range (Maximum range is acheived in line-of-sight installations, actual range varies based on installation specifics)	Up to 35 ft / 11 m

Important Notes

For U.S.A.

FCC CAUTION

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

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.

Supplier's Declaration of Conformity

Trade Name: KENWOOD
Products: BLUETOOTH® CONTROLLER

Model Name: KCA-M100BT
Responsible Party: JVCKENWOOD USA CORPORATION
4001 Worsham Avenue,
Long Beach, CA 90808, U.S.A.
PHONE: 1-800-252-5722

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 UNDESIRE OPERATION.

ISED Caution

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Attention de l'ISDE

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage.
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

CAUTION

This equipment complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the ISED radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20 cm or more away from person's body.

ATTENTION

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles des radioélectriques (RF) de la FCC lignes directrices d'exposition et d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'ISDE. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le radiateur et le corps humain.

For updated information (the latest Instruction Manual, etc.),
please visit the following website:
https://manual.kenwood.com/en_contents/search/

