

XM77TBL XM77TWL

7.7" 2-Way Marine Tower Speakers INSTRUCTION MANUAL

JVCKENWOOD Corporation

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 power amplifier.

For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your KENWOOD dealer for information or service on the product.

Model XM77TBL Serial number _____

Model XM77TWL Serial number _____



US Residents Only

Register Online

Register your KENWOOD product at <https://registerkenwood.us.jvckenwood.com/>

IMPORTANT SAFETY INSTRUCTIONS

 **Caution: Read this page carefully to ensure safe operation.**

WARNING

- Before mounting or wiring etc., be sure to remove the wire from the battery ground terminal. (Not doing so can cause shorts or fires.)
- When extending the power supply wire (+12 V) or ground wire, make sure to use automotive-grade wires or other wires with the range of 0.5 mm² (AWG 20) to 2 mm² (AWG 18) to prevent wire deterioration and damage to the wire coating.
- To prevent a short circuit, never put or leave any metallic objects (such as coins or metal tools) inside the speaker.
- If the product emits smoke or an unusual odor, turn off the power supply immediately (set it to the standby mode) and stop using it.
After this, please contact your dealer or nearest service station as soon as possible.
- This product is for 12 V power supply only.
- Do not attempt to open or modify the product, for this could cause fire hazard or malfunction.
- After taking the product out of the polyethylene bag, be sure to dispose of the polyethylene bag out of the reach of children. Otherwise, they may play with the bag, which could cause hazard of suffocation.

Do not ingest the battery, Chemical Burn Hazard.

- The remote control supplied with this product contains a coin/button cell battery.
- If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
Keep new and used batteries away from children.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

CAUTION

- Installation and wiring of the product requires expert skill and experience. To ensure safety, be sure to have your dealer or specialist perform the installation and wiring.
- Do not install the product in a spot exposed to excessive heat or humidity.
- Do not install the product in unstable locations or locations subject to dust.
- Do not use gasoline, naphtha, or any type of solvent to clean the product. Clean by wiping with a soft, dry cloth.
- Connect the speaker wires to appropriate speaker connectors separately. Sharing the negative wire of the speaker or grounding speaker wires to the metal body of the boat/vehicle can cause this product to fail.
- When making a hole under a seat, inside the trunk, or somewhere else in the boat/vehicle, check that there is nothing hazardous on the opposite side such as a gasoline tank, brake pipe; or wiring harness, and be careful not to cause scratches or other damage.
- Do not secure the ground wire to the bolts or nuts of important safety equipment such as:
Steering or braking devices, airbag mechanisms
(Can cause accidents.)
- Fasten the product securely so that it does not get detached due to sudden deceleration and becomes a hindrance to driving to ensure that it does not pose a danger to the passengers. (Cause of injury or accidents.)
- After installing the product, check that the following electrical equipment are working properly.
 - Lights, navigation lights, brake lights, turn signal lights, windshield wipers, horn device, etc.
- The helmsman or driver must always stop the boat or vehicle in a safe location before performing the next action.
 - Remote control operation
- Do not use the product for purposes other than on-board mounting.
- Keep the volume of sound at an optimum level. Not being able to hear sounds from outside of your car can lead to traffic accidents. It can also have a hearing damage.
- To prevent damaging the speaker, turn off the power of amplifier before connecting it to the speaker.
- Do not place hands on the speaker. The speaker becomes hot after extended operation. Touching it in such a condition may cause burns.

IMPORTANT SAFETY INSTRUCTIONS

 **Caution:** Read this page carefully to ensure safe operation.

CAUTION

- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Battery type: CR2025
- Nominal voltage: DC3V
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above 212°F (100°C) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the battery is installed correctly according to polarity (+ and -).
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH** of **CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



Battery Type : CR2025
Nominal Voltage: DC3V

Caution for button or coin batteries:

	This symbol on the product means there are important operating and maintenance instructions in this manual. Be sure to carefully read instructions in this manual.
	This symbol means that a button cell or coin battery is contained.

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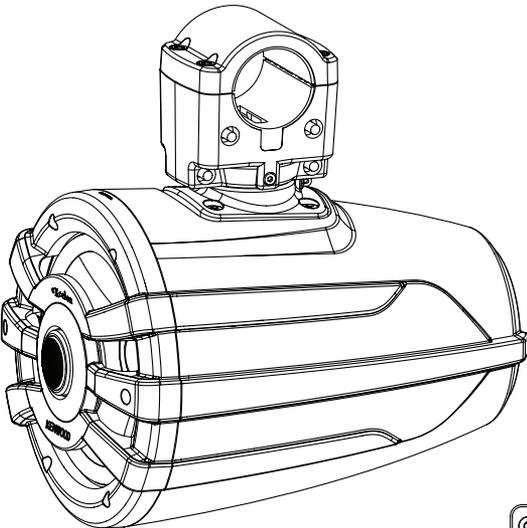
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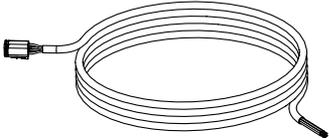
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Parts



Speaker with Enclosure & Bracket.....2



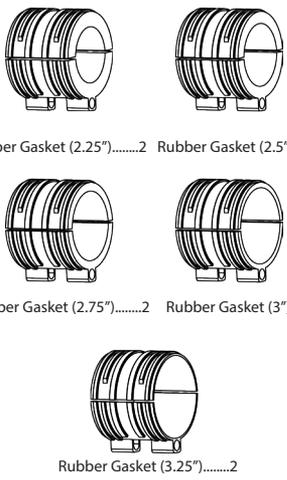
Speaker Plug (118" Length).....2



Barrel Connector (Use a crimping tool to compress the barrel around the wire.).....13



KCA-RR11MR RGB Receiver (18" Length).....1



Rubber Gasket (2.25").....2 Rubber Gasket (2.5").....2

Rubber Gasket (2.75").....2 Rubber Gasket (3").....2

Rubber Gasket (3.25").....2



KCA-RC10MR Remote Control.....1



Allen Wrench (M6).....1



Allen Wrench (M4).....1

Installation

Routing the RGB and speaker wires / Orienting the mounting bracket

1. Remove the 4 M6 screws from the top of the mounting bracket using the supplied allen wrench (Figure 1.1).
2. Remove the bottom rubber gasket.
3. Connect the 6-pin RGB/Speaker cable to the speaker's input, then route the cable through the bottom rubber gasket. Be sure to select which of the 3 widths of rubber gaskets you will be using at this time.

NOTE: Alternatively, you may loosen and remove the remaining M6 allen screws in order to remove the mounting bracket's bottom part, allowing easier access to connecting the 6-pin RGB/Speaker cable (Figure 1.2). If you need to disconnect the 6-pin RGB/Speaker cable, simply remove the rubber plug illustrated in Figure 1.2 and insert one of the included allen wrenches into the hole, pressing in on the connector's release.

NOTE: If routing the cable to a separate exposed area outside of the bracket's width, remove the rubber plug from the bottom rubber gasket and route cable through its round opening. If routing the cable directly into an opening within the width of the bracket, route the cable directly through the bottom rubber gasket's rectangular opening.

4. Re-insert the bottom rubber gasket to the bottom of the bracket, then re-attach the mounting bracket's top part using the 4 M6 screws. Be sure to attach the proper thickness of top rubber gaskets for your application.
5. Loosen each of the 2 M4 screws and rotate the bracket to your desired orientation, then re-tighten the screws (Figure 1.3).
6. If mounting the tower speaker to a bottom-facing bar, remove the 6 phillips screws holding the speaker in place, rotate the speaker 180 degrees, and then re-insert and re-tighten the 6 phillips screws (Figure 1.4).

NOTE: When mounting the tower speaker to a bottom-facing bar, the rear eXcelon logo can be also be twisted by hand to match the proper orientation (Figure 1.5).

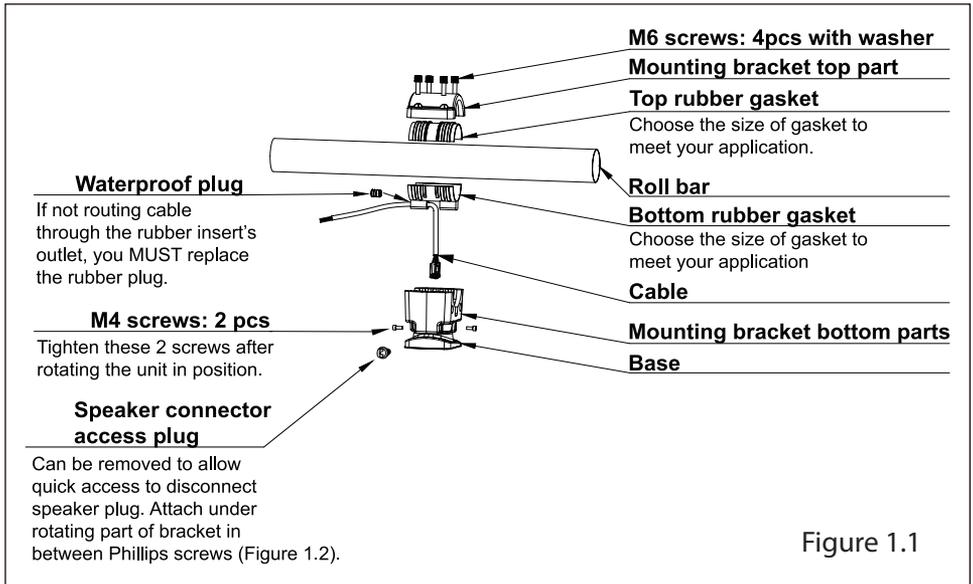
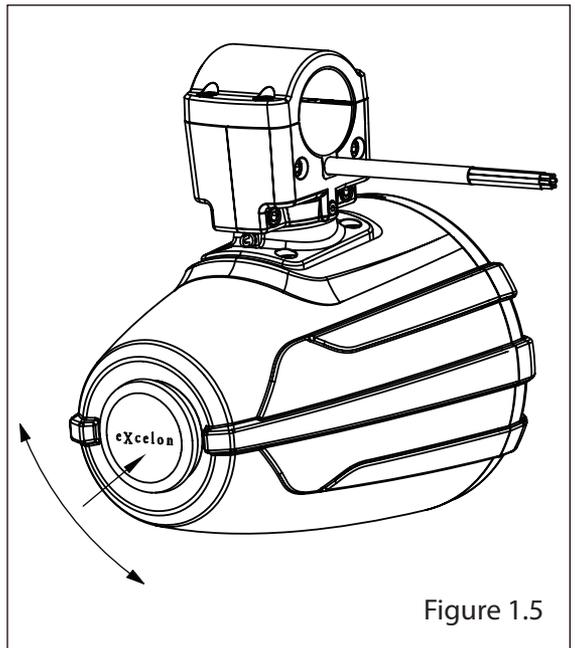
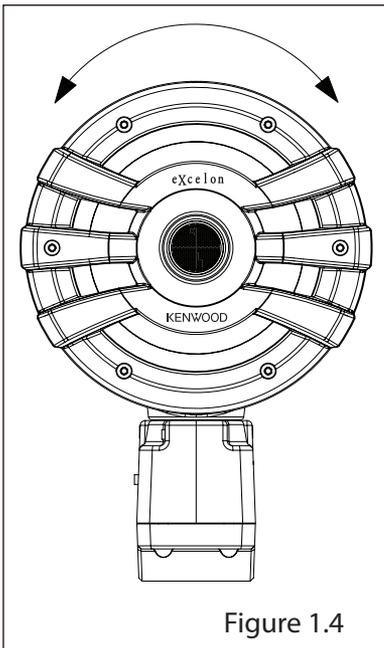
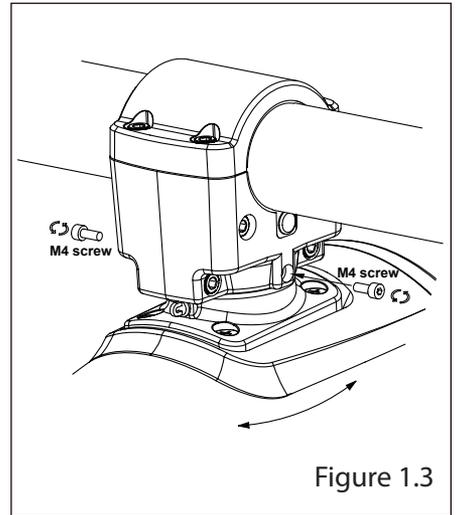
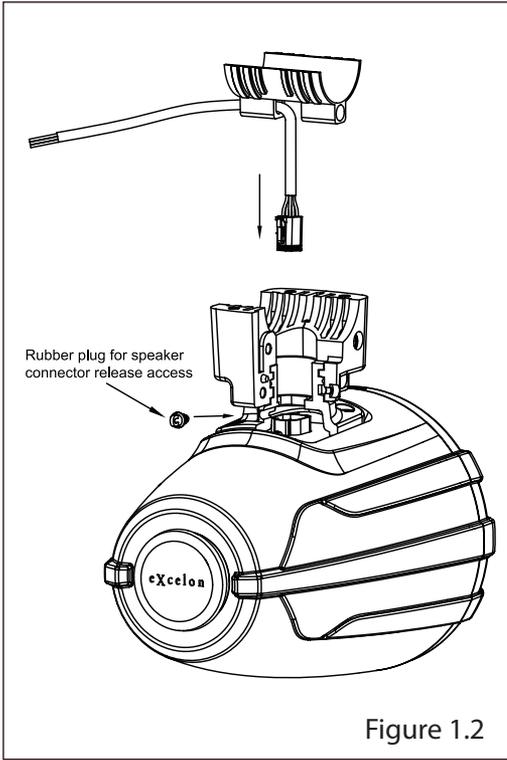


Figure 1.1

Installation



Connections

⚠ WARNING

Remove the ignition key and disconnect the negative \ominus terminal of the battery to prevent short circuits.

⚠ CAUTION

Check that no unconnected wires or connectors are touching the metal parts or car body.

Wiring

- In a computer-equipped boat/vehicle, when you remove the \ominus terminal of the battery, the memory may disappear, or a defect may occur in the electrical system of the boat/vehicle. Consult your dealer for further details.
 - Do not allow the wire to directly contact the edge of the iron plate by using grommets.
 - Do not turn the power on if the ground wire is not connected.
- Connect the ground wire to a metal part of the car chassis that acts as an electrical ground passing electricity to the battery's negative \ominus terminal.

Connecting the RGB receiver and speaker wires (Figure 2.1)

1. Connect the 4-wire RGB wires (R,Y,B,G) from the RGB Receiver to the matching wires from the 6-pin speaker wires (R,Y,B,G) that plug into the speaker.
2. Connect the White (+) and Black (-) wires from the 6-PIN speaker plug to the amplifier output terminal or receiver output wires.
3. Connect the Red wire from the RGB Receiver to the 12V switched power of the vessel/vehicle.
4. Connect the Black wire from the RGB Receiver to the Chassis Ground or the battery negative post.

NOTE: Connect both speaker connectors to the single RGB Receiver.

NOTE: If the RGB wires need to be extended, be sure to use the proper 18-gauge wire.

NOTE: If the speaker wires need to be extended, be sure to use the proper 16-gauge wire.

Be careful not to bring the connection cord in contact with the speaker.

The speaker becomes hot after extended operation. If a cord contacts a hot speaker, the cord coating may melt and cause short-circuiting, which makes the speaker unable to output the sound.

Connect to an amplifier with an RMS power equal to or lower than that of the speaker.

If the RMS power of the amplifier is higher than that of the speaker, try the following measures;

- Increase the speakers and connect them in series.
- Reduce volume.
- Reduce the input sensitivity of amplifier.

Do not exceed the impedance value with which the amplifier operation is guaranteed.

When using multiple speakers, calculate their total impedance and use an impedance value within the range in which the operation of the amplifier is guaranteed.

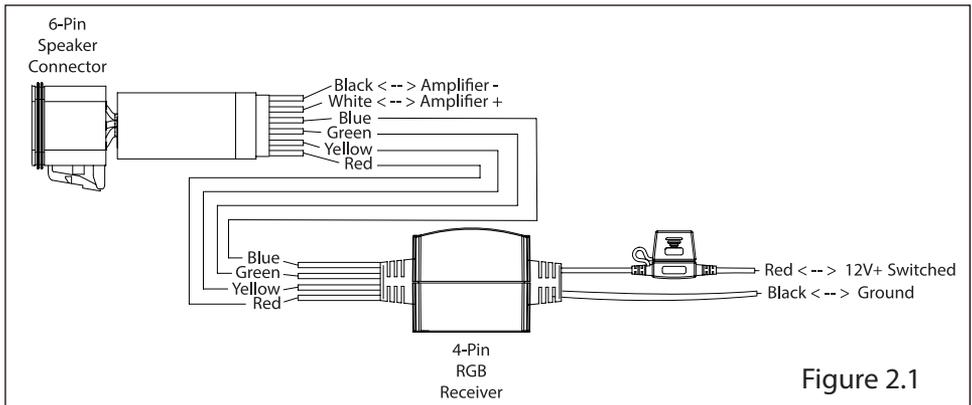


Figure 2.1

Controls

☒ Remote Control (Figure 2.2)

⚠ CAUTION

Do not leave or install the remote control in hot places such as on the dashboard.

1 (Turn on/Standby)

Press to switch the LED lights of the speakers ON/OFF (standby mode).

Last memory function

When the product is turned on, it will operate in its previous status.

2 SPEED - 3 SPEED +

Dynamic speed adjust

Adjust dynamic playing speed. Press SPEED+ to increase speed and press SPEED - to decrease speed.

Adjust speed : 7 steps

4 COLOR + 5 COLOR -

Static color adjust

Switch to static color mode from dynamic mode, or switch between different static colors.

Select color : 21 colors

6 MODE + 7 MODE -

Dynamic modes adjust

Switch to dynamic mode from static color mode, or switch between dynamic modes.

Select mode : 21 modes

8 BRIGHT + 9 BRIGHT -

Brightness adjust

Adjust static color brightness. Press BRIGHT+ to increase brightness and press BRIGHT - to decrease.

Adjust brightness : 8 steps

10 DEMO

Switching to the demo mode

Press the MODE (+/-) key to exit the demo mode.

11 Signal transmission indicator

The LED lights up in red when a key is pressed and a signal is transmitted.

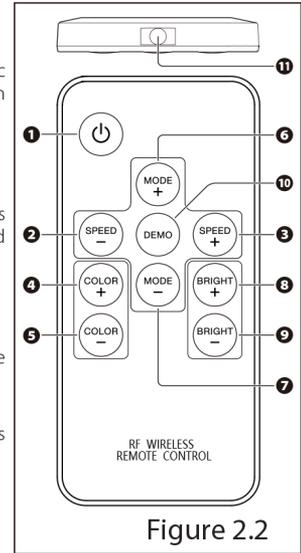


Figure 2.2

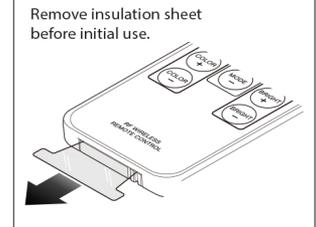
☒ How to replace the battery (Figure 2.3)

If the Remote Controller operates only over shorter distances or does not operate at all, it is possible that the battery is depleted. In such instances, replace the battery with new one.

- ☒ To release battery, depress pin, and pull out battery tray.
- ☒ Replace battery and replace tray.

⚠ CAUTION

- Risk of fire or explosion if the battery is replaced by an incorrect type. Use a button battery CR2025 (use only the approved battery).
- Risk of fire, explosion or the leakage of flammable liquid or gas if the battery is left in an extremely high temperature surrounding environment and/or subjected extremely low air pressure. The battery pack or batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- Risk of fire, explosion or the leakage of flammable liquid or gas if the battery is disposed into fire or a hot oven, recharged, shorted, mechanically crushed or cut of the battery.
- If spilled fluid comes in contact with your eyes or on clothing, immediately rinse with water and consult a physician.



Depress Pin & Remove Battery Tray

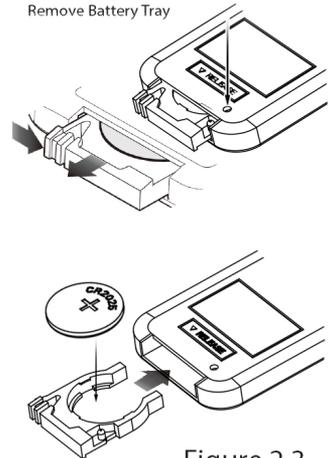


Figure 2.3

Troubleshooting

Often, what appears to be a malfunction is due to user error. Before calling for service, please consult the following table.

Problem	Cause	Remedy
RGB LED does not light.	• The power supply of the +12 V wire is not connected.	• Connect the wire correctly.
	• The RGB wires are not connected.	• Connect the R,Y,B,G wires to each other.
	• The remote control battery is exhausted.	• Replace with new battery.
Remote control operation is not possible.	• The product is in the standby mode.	• Press the \odot (Turn on/Standby) key on the remote control to turn on the product.
	• The remote control battery is exhausted.	• Replace with new battery.
	• The remote controller is too far away from the speaker or there is an obstacle in between.	• Operate the remote controller unit within the controllable range. Remote distance (open area) : 30 m (98 ft.)

Specifications

Design and specifications are subject to change without notice.

[Speakers]

Speaker	7.7 in. PP Mica cone
Power Handling.....	100 Watts RMS
Impedance	4 Ω
Sensitivity.....	87.5 dB / W at 1 m
Frequency response	60 Hz ~ 20,000 Hz

[Control unit]

Operating voltage.....	12 V DC boat battery/car battery
Maximum current consumption	0.3 A (1 piece)
Remote distance (open area).....	30 m (98 ft.)

IPX6 Water resistant

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 correctly, may 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Supplier's Declaration of Conformity

Trade Name: KENWOOD
 Products: SPEAKER
 Model Name: XM77TWL / XM77TBL
 Responsible Party: JVCKENWOOD USA CORPORATION
 4001 Worsham Avenue, Long Beach, CA 90808, U.S.A
 PHONE: 310 639-9000

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.

CALIFORNIA, USA ONLY

This product contains a CR Coin Cell Lithium Battery which contains Perchlorate Material—special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate

KENWOOD LIMITED WARRANTY

HOW LONG IS THE WARRANTY

JVCKENWOOD USA Corporation ("KENWOOD") warrants this product for a period of one (1) year from the date of original purchase.

WHAT IS COVERED AND WHAT IS NOT COVERED

Except as specified below, this warranty covers all defects in material and workmanship in KENWOOD products.

The following are not covered by the warranty:

1. Any product which is not distributed in the USA by KENWOOD or which is not purchased in the USA from an authorized KENWOOD dealer or an automobile dealer, unless the product is purchased through the U.S.A. Military Exchange Service.
2. Any product on which the serial number has been defaced, modified or removed.
3. Damage, deterioration or malfunction resulting from:
 - a. Any shipment of the product (claims must be presented to the carrier).
 - b. Installation or removal of the product.
 - c. Accident, acts of nature, misuse, abuse, neglect, unauthorized product modification or failure to follow instructions supplied with the product.
 - d. Repair or attempted repair by anyone not authorized by KENWOOD.
 - e. Any other cause which does not relate to a product defect.

WHO IS PROTECTED

This warranty is enforceable only by the original purchaser.

WHAT WE WILL PAY FOR

We will pay for all labor and material expenses for covered items. Payment of shipping charges is discussed in the next section of this warranty.

HOW TO OBTAIN WARRANTY SERVICE

If your KENWOOD product ever needs service:

1. Take or ship it to any KENWOOD Authorized Service Center in the USA along with a complete description of the problem. (if you are uncertain as to whether a Service Center is authorized, please call 1-800-KENWOOD (1-800-536-9663) for the nearest Service Center.
2. Although you must pay any shipping charges if it is necessary to ship the product for warranty service, we will pay the return shipping charges if the repairs are covered by the warranty within the United States.
3. Whenever your units are taken or sent for warranty service, you must include a copy of the original dated sales receipt as proof of warranty coverage.

LIMITATION OF IMPLIED WARRANTIES

ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE LENGTH OF THIS WARRANTY.

EXCLUSION OF DAMAGES

KENWOOD'S LIABILITY FOR ANY DEFECTIVE PRODUCT IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE PRODUCT AT OUR OPTION. KENWOOD SHALL NOT BE LIABLE FOR:

1. INSTALLATION OR REMOVAL CHARGES, DAMAGE TO OTHER PROPERTY CAUSED BY ANY DEFECTS IN KENWOOD CAR STEREO COMPONENTS, DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE OF THE PRODUCT; OR
2. ANY OTHER DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS AND/OR DO NOT THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. If a problem develops during or after the Limited Warranty Period, or if you have any questions regarding the operation of the product, you should contact your KENWOOD Authorized Dealer or Authorized Service Center. If the problem or your question is not handled to your satisfaction, please contact our Customer Relations Department at the address listed below:

KENWOOD USA CORPORATION
P.O. Box 22745, 4001 Worsham Avenue, Long Beach CA 90808
Tel: (800) 536-9663
www.us.jvckenwood.com

Important Notes

For updated information (the latest Instruction Manual, etc.),
please visit the following website:

https://manual.kenwood.com/en_contents/search/



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