



# MAGNAVOX


# CD BOOMBOX

with Bluetooth® Wireless Technology


*OWNER'S MANUAL*

PLEASE READ BEFORE OPERATING THIS EQUIPMENT.

## MODEL: MD6972



Size: 148.5(W) x 210(H)mm (A5)



# IMPORTANT SAFETY INSTRUCTIONS



**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN



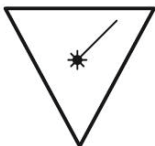
**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



**DANGEROUS VOLTAGE:**  
The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



**ATTENTION:**  
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



**DANGER**  
Invisible and hazardous laser radiation when open and inter-lock failed or defeated. Avoid direct exposure to beam.

## FCC WARNING:

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. Modifications not authorized by the manufacturer may void users authority to operate this device.

## WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

**LASER SAFETY :** This unit employs a laser. Only qualified service personnel should attempt to service this device due to possible eye injury.

**CAUTION :** USE OF CONTROLS, ADJUSTMENTS OR PERFORMANCE PROCEDURE HERENIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

## INFORMATION:

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.

# IMPORTANT SAFETY INSTRUCTIONS

**Before using the unit, be sure to read all operating instructions carefully. Please note that these are general precautions and may not pertain to your unit. For example, this unit may not have the capability to be connected to an outdoor antenna.**

**1) Read these instructions.**

All the safety and operating instructions should be read before the product is operated.

**2) Keep these instructions.**

The safety and operating instructions should be retained for future reference.

**3) Heed all warnings.**

All warnings on the product and in the operating instructions should be adhered to.

**4) Follow all instructions.**

All operating and use instructions should be followed.

**5) Do not use this apparatus near water.**

Do not use this product near water and moisture, for example: near a bathtub, washbowl, kitchen sink or laundry tub; in a wet basement; or near a swimming pool.

**6) Clean only with dry cloth.**

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a dry cloth for cleaning.

**7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.**

Slots and openings in the cabinet and in the back or bottom are provided for ventilation, to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should never be placed near or over a radiator or heat source. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

**8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.**

**9) Do not defeat the safety purpose of the polarized or grounding-type plug.**

A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

**10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.**

**11) Only use attachments/accessories specified by the manufacturer.**

**12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.**

An appliance and cart combination should be moved with care.

Quick stops, excessive force and uneven surfaces may cause the appliance and cart combination to overturn.



# IMPORTANT SAFETY INSTRUCTIONS

## 13) Unplug this apparatus during lightning storms or when unused for long periods of time.

To protect your product from a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

## 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture does not operate normally, or has been dropped.

## 15) Power source

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For products intended to operate from battery power, or other source, refer to the operation instructions.

## 16) Power lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

## 17) Overloading

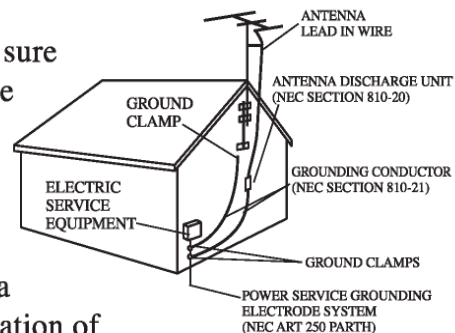
Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

## 18) Object and liquid entry

Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short out parts that could result in fire or electric shock. Never spill or spray any type of liquid on the product.

## 19) Outdoor antenna grounding

If an outside antenna is connected to the product, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electric Code ANSI/NFPA 70 provides information with respect to proper to grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge product, size of grounding conductors, location of antenna-discharge product, connection to grounding electrodes and requirements for the grounding electrodes.



## 20) Service

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

# IMPORTANT SAFETY INSTRUCTIONS

## 21) Replacement parts

When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original parts. Unauthorized substitutions may result in fire or electric shock or other hazards.

## 22) Safety check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operation condition.

## 23) Wall or ceiling mounting

The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

## 24) Damage requiring service

Unplug this product from the wall outlet and refer service to qualified service personnel under the following conditions.

- a) When the power-supply cord or plug is damaged.
- b) If liquid has been spilled or objects have fallen into the product.
- c) If the product has been exposed to rain or water.
- d) If the product does not operate normally by following the operating instructions.  
Adjust only those controls that are covered by the operating instructions, as an adjustment of other controls may result in damage and will require extensive work by a qualified technician to restore in the product to its normal operation.
- e) If the product has been dropped or the cabinet has been damaged.
- f) When the product exhibits a distinct change in performance-this indicates a need for service.

## 25) Note to CATV system installer

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

**NOTE: Refer all servicing to qualified service personnel. Servicing is required when the unit has been damaged in any way such as the following: the power-supply cord or plug has been damaged, liquid has been spilled into the unit, the unit has been exposed to rain or moisture, the unit has been dropped or the unit does not operate normally.**



This equipment is Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.

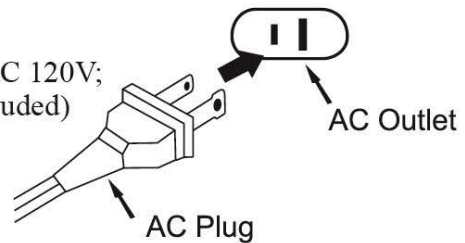


Invisible laser radiation when open and interlocks defeated. Avoid exposure to beam of laser.

# PREPARATION FOR USE

## **POWER SOURCES**

This portable audio system is designed to operate on either AC 120V; 60Hz house current or by eight (8) "C" size batteries (not included) attempting to operate this unit from any other power source may cause damage to the unit, which is not covered by your warranty.



## **AC OPERATION**

Unwind the AC cord and extend it to its full length, insert the small end of the AC cord into the AC socket on the rear of the unit. insert the other end of the AC cord into any convenient AC 120V ~; 60Hz household outlet.

Please note that this unit is equipped with a polarized AC plug which has one blade wider than the other, this is a safety feature to reduce the likelihood of electric shock, this polarized AC plug will only fit in a polarized AC outlet, if you find that you cannot insert this plug into your outlet, you may have an obsolete non-polarized outlet. Please do not try to defeat this safety feature by using a non-polarized adapter or by filling the wider blade to make it fit into your outlet, if this plug does not fit into your outlet, you should contact a qualified licensed electrician to replace your obsolete outlet. **NOTE:** When AC Cord is connected to the unit ,the batteries power will be cut off automatically.

## **BATTERY INSTALLATION**

To use this unit with battery power, remove the battery door by pressing in on the tabs, then lifting it off, insert eight (8) "C" size batteries (not included) following the diagram in the compartment.

**NOTE:** The AC power cord must be disconnected from the AC socket on the rear of the unit in order for the unit to operate on battery power.

### **BATTERY PRECAUTIONS**

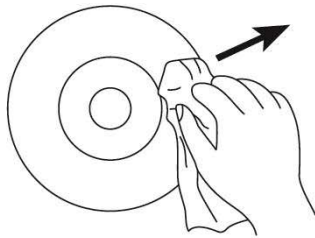
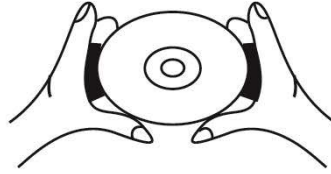
Follow these precautions when using a battery in this device:

1. Use only the size and type of battery specified.
2. Be sure to follow the correct polarity when installing the battery as indicated in the battery compartment .A reversed battery may cause damage to the device.
3. Do not mix different types of batteries together (e.g. Alkaline and Carbon-zinc) or old batteries with fresh ones.
4. If the device is not to be used for a long period of time ,remove the battery to prevent damage or injury from possible battery leakage.
5. Do not try to recharge the battery not intended to be recharged; it can overheat and rupture.(Follow battery manufacturer's directions.)
6. Do not dispose of batteries in fire. Battery may explodes or leak.
7. Clean the battery contacts and also those of the device prior to battery installation.

# CARE AND MAINTENANCE

## Caring for Compact Discs

- Treat the disc carefully. Handle the disc only by its edges. Never allow your fingers to come in contact with the shiny, unprinted side of the compact disc.
- Do not attach adhesive tape, stickers, etc. to the compact disc label.
- Clean the compact disc periodically with a soft, lint-free, dry cloth. Never use detergents or abrasive cleaners to clean the compact disc. If necessary, use a CD cleaning kit.
- If a compact disc skips or gets stuck on a section of the compact disc, it is probably dirty or damaged (scratched).
- When cleaning the compact disc, wipe in straight lines from the centre of the compact disc to the outer edge of the compact disc. Never wipe in circular motions.



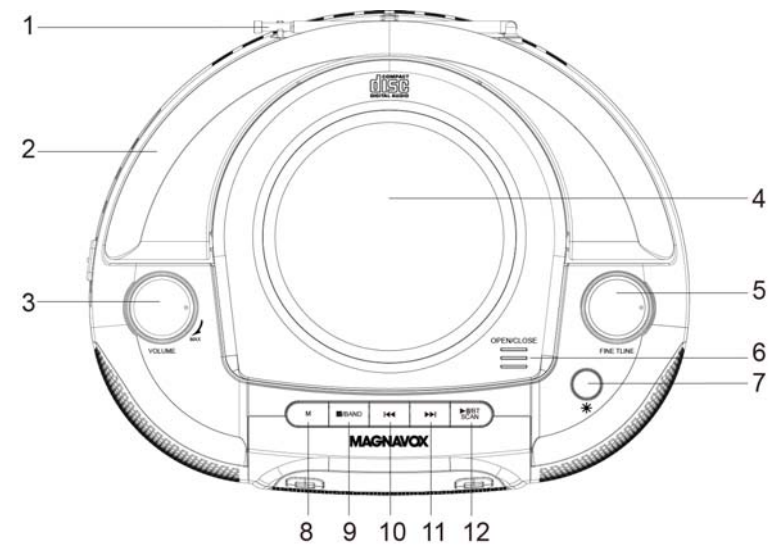
- This unit is designed to play only compact discs bearing the identification logo as shown here. Other discs may not conform to the CD standard and may not play properly.
- Compact Discs should be stored in their cases after each use to avoid damage.
- Do not expose compact discs to direct sunlight, high humidity, high temperatures or dust, etc. Prolonged exposure or extreme temperatures can warp the disc.
- Do not stick or write anything on either side of the disc. Sharp writing instruments, or the ink, may damage the surface.



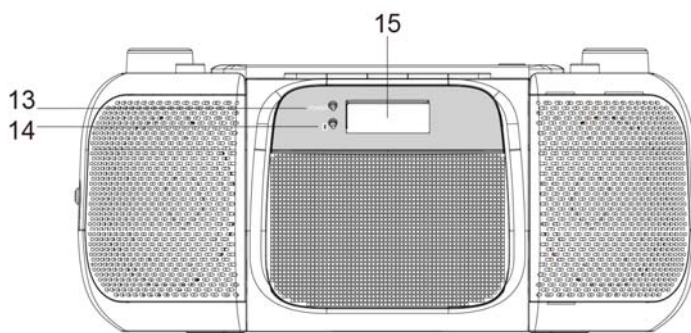
## Cleaning the Unit

- To prevent fire or shock hazard, disconnect your unit from the AC power source when cleaning.
- The finish on your unit may be cleaned with a dust cloth and cared for as other furniture. Use caution when cleaning and wiping the plastic parts.
- Mild soap and a damp cloth may be used on the front panel.

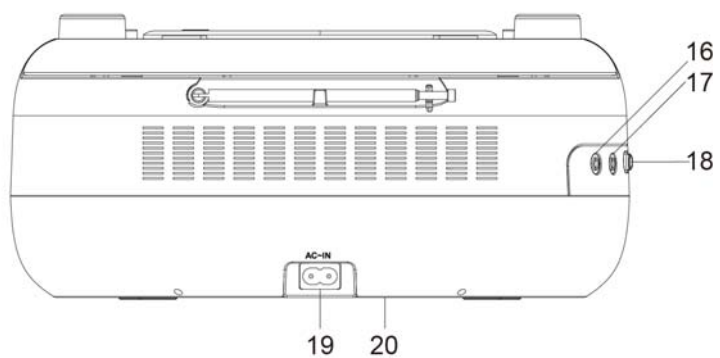
# LOCATION OF CONTROLS



1. FM Telescope Antenna
2. Carry Handle
3. VOLUME Control Knob
4. CD Door
5. FINE TUNE (Radio Fine Tune) Knob
6. CD Door OPEN/CLOSE Area
7. \* Decorative LED Blinking Mode Selection (Turn Off) Button
8. M (Memory) Button
9. ■/BAND (Stop/Radio Band Selection) Button



10. <math>I \ll</math> (Skip/Fast Search Backward) Button
11. >> I (Skip/Fast Search Forward) Button
12. >> II /BT/SCAN (Play - Pause/Bluetooth Pairing /Radio Scan) Button
13. POWER Indicator
14. Bluetooth Indicator
15. LCD Display



16. Headphone/Earphone Jack
17. AUX IN Jack
18. Function Selector (Radio-BT/CD/AUX - Power Off)
19. AC~ Socket
20. Battery Compartment



# OPERATION

## **RADIO:**

1. Slide the Function Selector to RADIO position to turn on the radio.
2. Press the ■/BAND Button repeatedly to select AM or FM band as desired. The correspondence indicator AM or FM and the radio frequency will appear on the LCD Display.
3. Press and hold the ►|/BT/SCAN button until the radio frequency on the LCD Display starts running to automatically search and will store the channel in PROG.
4. Press and hold the ◀◀ or ▶▶ Buttons play the previous/next available radio station. Repeat the same procedures until the desired radio station is searched and play.
5. If the reception is not good, turn the FINE TUNE Knob for better reception.
6. Turn the VOLUME Control Knob to adjust volume level as desired.
7. When finished listening, slide the Function Selector to OFF position to power off the unit.

## **Radio stations preset:**

1. Power on the radio and receive the desired radio station as the previous procedure.
2. Press the M Button, "P XX" will appear on the LCD Display. Press the ◀◀ or ▶▶ Buttons repeatedly to select the program number you want stored to. Then press the M Button again to store it.
3. Repeat the same procedures until all the desired radio stations are stored into the program list. (Up to 20 AM stations and 30 FM stations can be stored.)
4. After programming, press the ◀◀ or ▶▶ Buttons repeatedly in radio mode to select and play the desired stored radio station.

## **Antennas:**

### **AM:**

This unit has a built-in ferrite rod antenna, which provides adequate reception in most areas. If reception is weak, turn the unit to improve reception.

### **FM:**

The FM Telescopic Antenna is for FM reception only. If reception is weak, adjust the length and the angle of the antenna.

## **CD:**

1. Slide the Function Selector to BT/CD/AUX position to turn on the CD. The LCD Display will illuminate and indicator "CD" will appear.
2. Press the OPEN/CLOSE Area on the CD Door to open it then place a CD disc on the centerspindle, with the printed side face up.
3. Close the CD door by pressing the OPEN/CLOSE area. Wait a few seconds; the number of the total tracks will appear on the LCD Display.
4. Press the ▶||/BT/SCAN Button to start playing the first track on the disc.
5. During playback:
  - Turn the VOLUME Control Knob to adjust volume level as desire.
  - Press the ▶||/BT/SCAN Button to pause; press again to resume normal playback
  - Press the I◀◀ or ▶▶I Buttons repeatedly to skip the tracks.
  - Press and hold the I◀◀ or ▶▶I Buttons to fast searching the specific section.
6. To stop CD playback, press the ■/BAND Button. The total number of tracks will appear on the display.
7. When finished listening, slide the Function Selector to OFF position to power off the unit.

## **Programmed Playback:**

Up to 20 tracks can be programmed playback as follows:

1. In CD STOP playback mode, press the M Button. "PROG 1 --" will appear on the display and blink.
2. Select the first specific track to be programmed by pressing the I◀◀ or ▶▶I buttons repeatedly.
3. Press the M Button to store the selected track into the memory.
4. Repeat steps 2 and 3 until all the specific tracks are stored into the memory.
5. Press the ▶||/BT/SCAN Button to start program playback. The program indicator "PROG" will stop blinking.
6. To stop playback, press the ■/BAND Button.
7. To erase the program, press the ■/BAND Button again in stop mode. The program indicator will disappear on the display.

## **Repeat/Random Playback:**

1. During playback (or program playback), press the M Button once. The repeat one indicator "REP" will appear on the LCD Display. The current track will playback repeatedly.
2. During playback, press the M Button twice. The repeat all indicator "REP ALL" will appear on the

LCD Display. All the tracks on the current disc (or program) will be playback repeatedly.



3. During playback, press the M Button three times, the random indicator "RAND" will appear on the LCD Display. The unit will play the tracks randomly.
4. To cancel the repeat and random play functions, press the M Button repeatedly until all repeat/random playback indicators disappear on the LCD Display or press the ■/BAND Button to stop playback.

Note: Random playback is not available in program playback mode.

### **BT (BLUETOOTH):**

#### **BT pairing and play:**


First time use or re-pairing the unit to a new BT Device, pair as follows:


1. Slide the Function Selector to BT/CD/AUX position to turn on the CD. The LCD Display will illuminate and indicator "CD" will appear.
2. Press and hold the ►/BT/SCAN Button on the top of the unit to switch the unit from CD mode to BT mode:
  - The  Indicator on the front of unit will illuminate and blink.
  - Indicate "bt" will appear on the LCD Display and blink.
3. Power on the external BT Device and enter to BT searching mode. Start pairing following the on screen instructions from the external BT Device. After paired, the indicate "bt" on the LCD Display and  Indicator on the front of unit will stop blinking.
4. If pairing is complete you may now play music with your external BT Device.
5. During playback:
  - Turn the VOLUME Control Knob to adjust volume level as desire.
  - Press the ►/BT/SCAN Button to pause; press again to resume normal playback.
  - Press the ◀◀ or ▶▶ Buttons repeatedly to skip the tracks.
6. When finished listening, slide the Function Selector to OFF position to power off the unit.

#### **Notes:**

1. When the external BT Device searched the unit, the model number "MD6972" will appear on the display of external BT Device.
2. If while pairing you are asked for a code please try "0000" or "1234".
3. If the BT mode is paired successfully, press and hold the ■/BAND Button to discount the current Bluetooth connection and press and hold the ■/BAND Button again to resume the Bluetooth connection again.

#### **Normal operation after pairing:**

1. Slide the Function Selector to BT/CD/AUX position to turn on the CD. The LCD Display will illuminate and indicator "CD" will appear.
2. Press the ►/BT/SCAN Button on the top of the unit to switch the unit from CD mode to BT mode:
  - The  Indicator on the front of unit will illuminate and blink.

- Indicate “bt” will appear on the LCD Display and blink.
- 3.Wait a few seconds until the unit is automatically paired to the external BT Device. The indicate “bt” on the LCD Display and  Indicator on the front of unit will stop blinking.
  - 4.After pairing is complete you may now play music with your external BT Device.

### **AUX (in):**

- 1.Insert one end of the Audio Connect Cable (not included) to the AUX Out; Line Out or Phones Jack on the external Audio Player.
- 2.Insert the other end to the AUX (in) Jack on the left of unit.
- 3.Slide the Function Selector to BT/CD/AUX position to turn on the unit. The unit will automatically switch to AUX (In) mode. The LCD Display will illuminate and indicator “AUX” will appear.
- 4.Play the music on the connected external Audio Player as usual.
- 5.Turn the VOLUME Knob to adjust volume level as desired.
- 6.When finished listening, slide the Function Selector to OFF position to power off the unit.


### **NOTES:**

- Make sure the sound output level of the connected external Audio Device is on high level. Otherwise, sound will weak.
- If sound is distorting, reduce the volume of the connected external Audio Player or set the EQ mode of it to normal.

### **DECORATIVE LED LIGHTS:**

Press the  Button on the top of unit repeatedly to set the blinking modes or turn it off as desired.

### **HEADPHONE JACK:**

For private listening, connect the 3.5mm plug from the Earphone/Headphone (not included) into the  HEADPHONE Jack on the left of unit. Sound from speakers will be auto cut.

# TROUBLESHOOTING

Check the following before requesting service:

SYMPTOM	POSSIBLE CAUSE	POSSIBLE SOLUTION
No power	AC Power cord had not connected	Connect the AC Cord to the rear of unit and any wall outlet having AC 120V~; 60Hz
No sound or sound weak	Volume of the unit was set to minimum position	Increase the volume level by turning the VOLUME Control Knob clockwise
	Volume level of paired/connected device is in low level	Rise the volume level of the paired/connected device
Sound distortion	Volume level too high	Reduce the volume level by turning the VOLUME Control Knob counterclockwise
	Volume level of the connected/paired device too high	Reduce the volume level of the connected/paired device
CD or BT not functioning	Audio Connection Cable was inserted into the AUX (In) Jack	Unplug the cable from AUX (In) Jack
BT not functioning	The external BT Device had NOT paired to the unit	Pair the external BT Device to the unit as page 10-11
	The external BT Device too far from the unit	Place the external BT device close to the unit
CD not play	Disc is dirty or scratched	Try other discs
	CD disc incorrect install	Place the CD disc on the center spindle with label side face up
	CD compartment door is not closed.	Close CD door completely.

## GENERAL SPECIFICATIONS

Power Source:	AC 120 V~; 60 Hz; 16 W, Or DC 12V ===; 8 x "C" size batteries (Not included)
BT Version:	5.0
BT Operation Distance:	≦ 32 Feet in open area
Radio Frequency:	AM: 520-1710 kHz; FM: 87.5-108 MHz
Disc Compatible:	CD; CD-R; CD-RW
Impedance of Speakers:	2 x 3 W; 4 ohm
Audio power:	2 W per Channel (Total 4W, RMS)

## ACCESSORIES

- 1 x Owner's Manual
- 1 x AC Power Cord

**SPECIFICATIONS AND ACCESSORIES ARE SUBJECT TO CHANGE WITHOUT NOTICE**



## LIMITED WARRANTY

Craig warrants this product to be free from manufacturing defects in material and workmanship under normal use for a period of 180 days from date of purchase. If service is required, please return the product to the store where it was purchased for exchange; or, pack the unit in the original packing material with all accessories if applicable, a copy of your sales receipt and a Cashier's check or Money Order for \$12 (to cover shipping and handling costs) payable to Craig Electronics Inc. For consumers in Canada, please make sure that the cashier check or money order is redeemable through a U.S. bank. Ship your product freight pre-paid. Your unit will be repaired, replaced or if the unit can not be repaired or replaced, a refund will be forwarded to you within four weeks of receipt of your unit. Please ship your unit to:

Craig Electronics Inc.  
Cranbury NJ 08512, U.S.A.

This warranty is void if the product has been: a) Used in a commercial application or rental. b) Damaged through misuse, negligence, or abuse. c) Modified or repaired by anyone other than an authorized Craig service center. d) Damaged because it is improperly connected to any other equipment.

Note: This warranty does not cover: a) Ordinary adjustments as outlined in the Owner's Manual which can be performed by the customer. b) Damage to equipment not properly connected to the product. c) Any cost incurred in shipping the product for repair. d) Damage to the product not used in the USA.

This warranty is not transferable and only applies to the original purchase. Any implied warranties, including the warranty of merchantability, are limited in duration to the period of this expressed warranty and no warranty whether expressed or implied shall apply to the product thereafter.

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