



# MAGNAVOX


## Hi-Fi SYSTEM

with Color Changing RGB Lights  
and Bluetooth® Wireless Technology


**OWNER'S MANUAL**

PLEASE READ BEFORE OPERATING THIS EQUIPMENT.

**MODEL: MHT890**



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



# IMPORTANT SAFETY INSTRUCTION

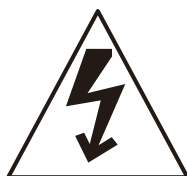


## CAUTION

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.

## 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.

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

## 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.
- RF warning for Mobile device:  
This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.



## IMPORTANT SAFETY INSTRUCTION

**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 INSTRUCTION

**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**

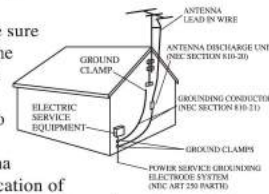
Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

**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 INSTRUCTION

**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 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**

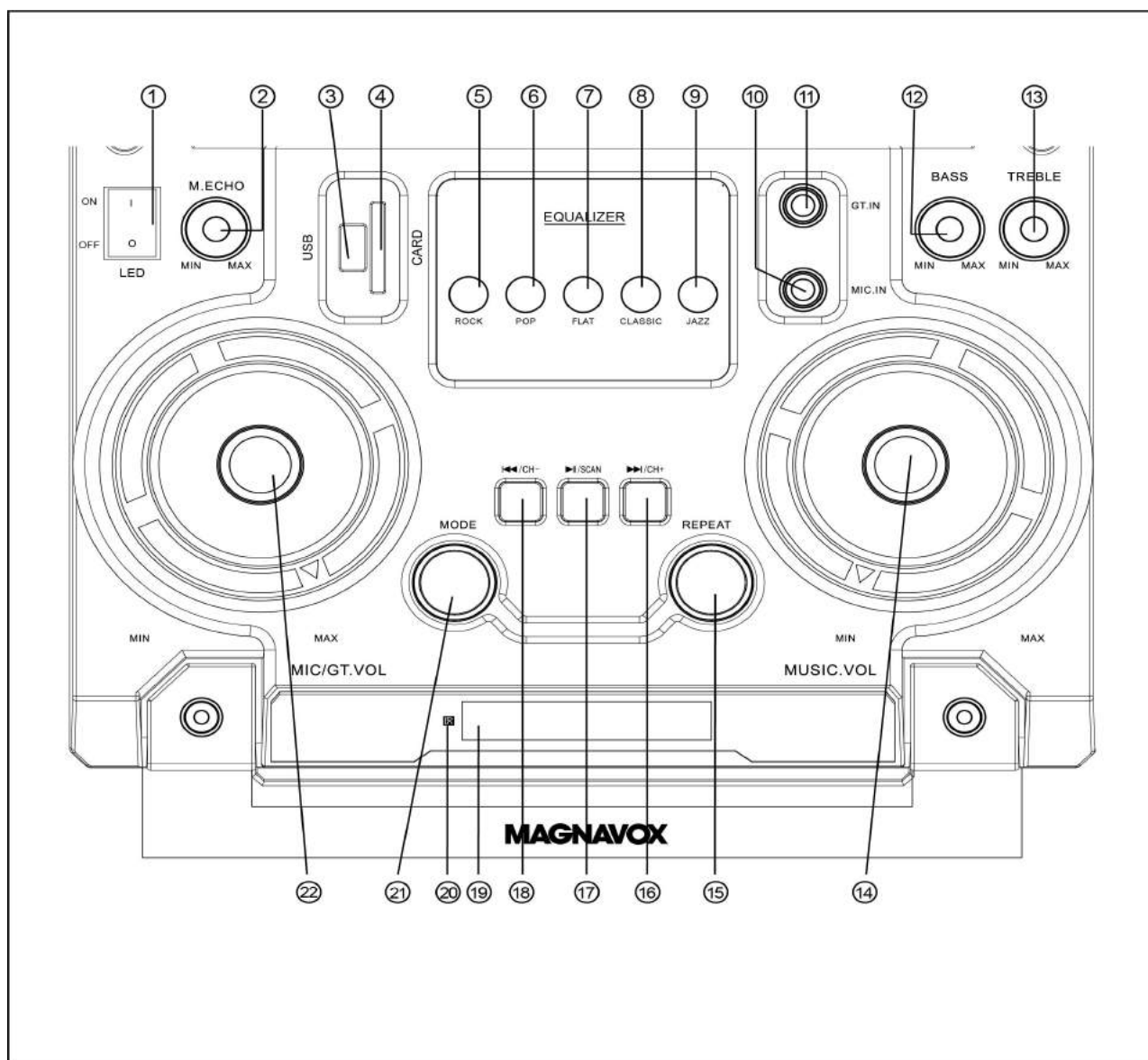
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

**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.**



## LOCATION OF CONTROLS

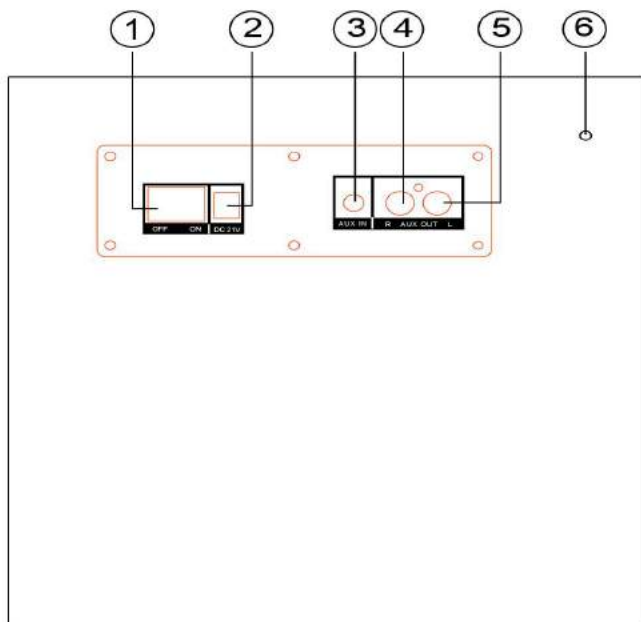
**Top:**



1. LED lights On-Off
2. Microphone Echo Knob
3. USB Port (For music playback)
4. SD Card Slot
5. ROCK Mode (Equalizer)
6. POP Mode (Equalizer)
7. FLAT (OFF) Mode (Equalizer)
8. CLASSIC Mode (Equalizer)
9. JAZZ Mode (Equalizer)
10. Microphone (In) Jack

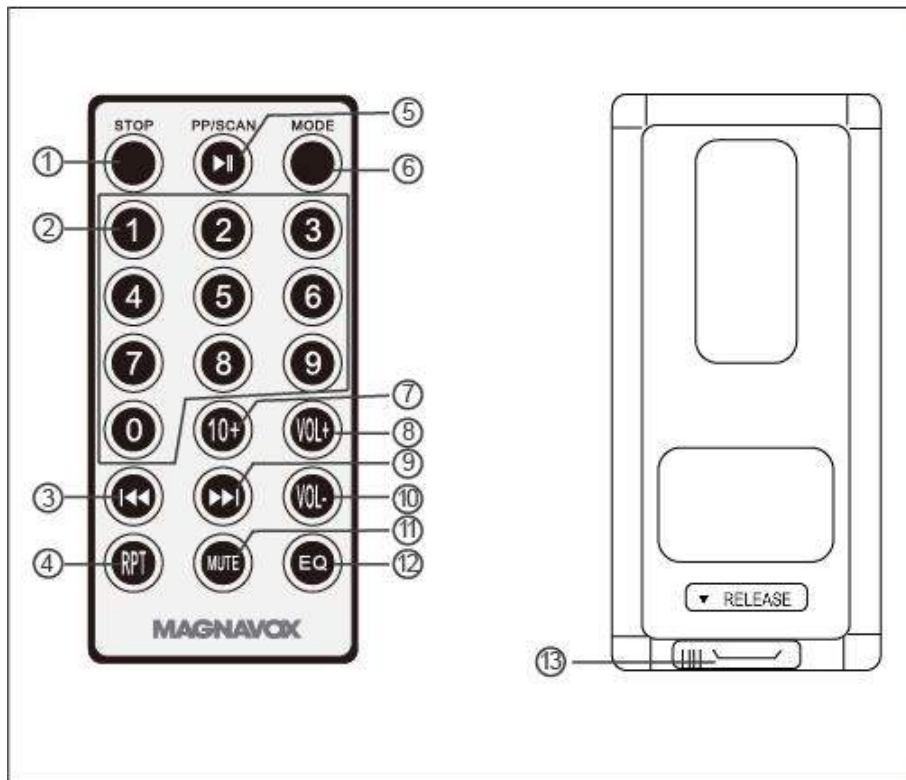
11. Guitar (In) Jack
12. BASS Adjustment Knob
13. TREBLE Adjustment Knob
14. Master Volume Knob
15. Repeat Button (For USB/SD Card Mode)
16. ►►I /CH+ (Skip forward/Fast forward/Radio tuning up) Button
17. ►II/SCAN (Play-Pause/Radio Program Preset) Button
18. I◄◄ (Skip backward/Fast rewind/Radio program down) Button
19. LED Display
20. Remote Receiver
21. MODE Button
22. Microphone/Guitar Volume Knob

**Rear:**



1. POWER ON/OFF Switch
2. DC 21V (In) Jack
3. AUX (In) Jack
4. Line out R
5. Line out L
6. FM Antenna

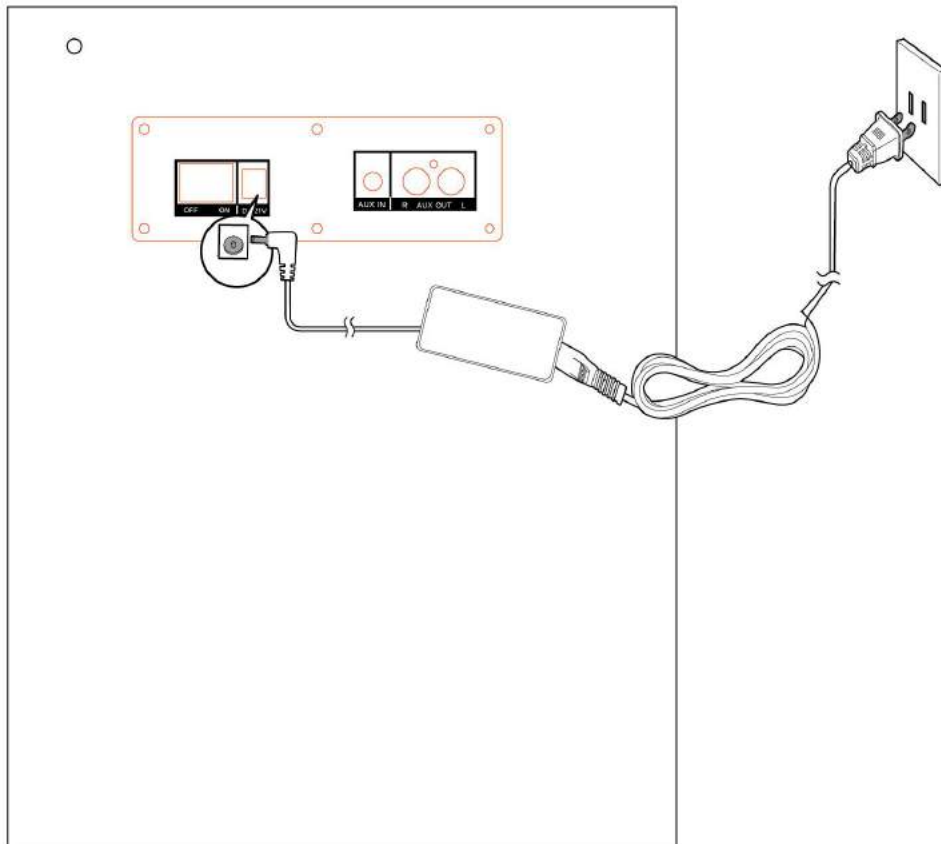
## REMOTE CONTROL:



1. STOP Button (For USB/SD Mode)
2. Numeric Buttons
3. I◀◀ (Skip backward/Fast rewind/Radio program down) Button
4. Repeat button (For USB/SD Card Mode)
5. ▶II/PP/SCAN (Play-Pause/Radio Program Preset) Button
6. MODE Button
7. 10+ Button
8. VOL + (Volume Up ) Button
9. ▶▶I /CH+ (Skip forward/Fast forward/Radio tuning up) Button
10. VOL - (Volume Down ) Button
11. MUTE Button
12. EQ Mode Select Button
13. Battery Holder

## POWER SOURCE:

Connect the small plug from the supplied AC/DC Adaptor to the DC 21V (In) Jack on the rear of unit then plug the AC/DC Adaptor to a AC wall outlet having AC 100-240V~; 50/60Hz as illustrated below:



### NOTES:

- If you will not use the unit for an extended period of time, unplug the AC/DC Adaptor from wall outlet.

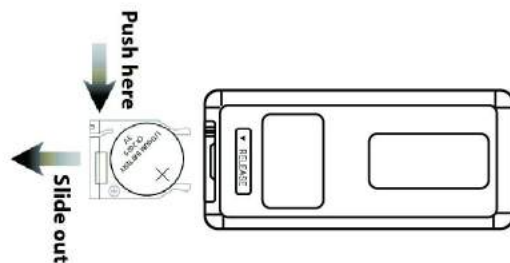
### Remote Control:

- First time use:

Remove and discard the insulation film as illustrated below:



- Replacing the button cell when it is drained as follows:
  - Push and slide out the button cell holder as illustrated below.
  - Replace the button cell with new CR2025 button cell with the polarity markings on the rear of the Remote Control.
  - Close the button cell holder.



### Battery precautions:

Follow these Battery Precaution when using a battery in this device:

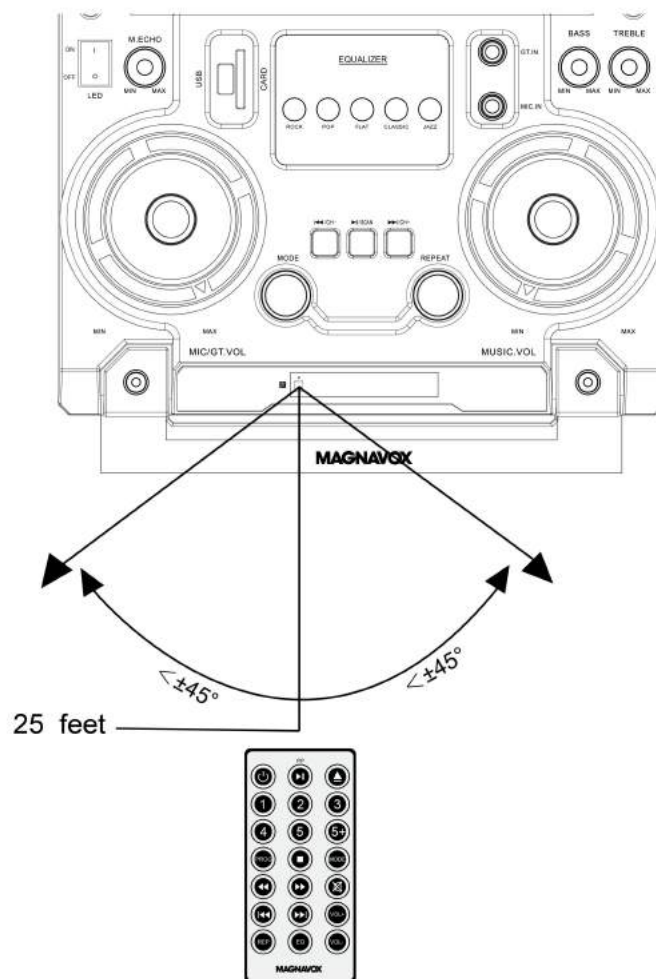
1. Use only the size and type of battery specified.
2. Be sure to follow the correct polarity when installing the battery as indicated in the battery compartment. A reversed battery may cause damage to the device.
3. Do not mix different types of batteries together (e.g. Alkaline and Carbon-zinc) or old batteries with fresh ones.
4. If the batteries in the device are consumed or the device is not to be used for a long period of time, remove the batteries 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 instructions.)
6. Do not dispose of battery in fire. Battery may explode or leak.
7. Clean the battery contacts and also those of the device prior to battery installation.
8. ⚠ This product contains a coin/button cell battery. If the coin/button cell

battery is swallowed, it can cause severe internal burn 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.

## EFFECTIVE DISTANCE OF REMOTE CONTROL



- When there is an obstacle between the unit and the transmitter, the transmitter may not operate.
- When direct sunlight, an incandescent lamp, fluorescent lamp or any other strong shines on the remote control of the unit, the remote operation may be unstable.

## OPERATION:

### **GENERAL OPERATION:**

1. Connect the unit to AC power as previously instructed.
2. Press the POWER Switch to ON position to power on the unit, " " will appear on the display.
3. Press the MODE Button on the unit or Remote Control repeatedly to switch to desired playback mode. The correspondent indicator will appear (or illuminate) on the display with your selection (see list below):

<b>Playback Mode:</b>	<b>Indicators:</b>
USB	" " will appear on the display (The USB device inserted into the USB PORT)
SD Card	" " will appear on the display (The SD Card device inserted into the SD slot)
AUX (Aux/Line in)	" " will appear on the display & the indicator " " will illuminate
BT (Bluetooth)	" " will appear on the display & the indicator " " will illuminate
Radio FM Band	Radio frequency "XX.X" or "XXX.X" will appear on the display

4. During playback:
  - Turn the VOLUME Control Knob on the unit or press the VOL (Volume) +/- buttons on the Remote Control to adjust volume level as desired.
  - Turn the BASS and TREBLE Control Knob on the unit to adjust bass and treble level as desired.
  - Press the Mute Button on the Remote Control to mute the sound, press again to turn the sound back on.
  - Press the EQ (Equalizer) Button on the unit or Remote Control to activate and set the equalizer effect as desired (see list below):

<b>Showing on display:</b>	<b>Equalizer effects:</b>
	FLAT (Turn off the equalizer effect)
	Rock
	Jazz
	Pop
	Classic

5. Repeat Function:

During USD/SD Card playback, the default setting is all tracks repeat. "RE A" will appear on the display. All the tracks will be playback repeatedly.

Press the Repeat Button on the Unit or RPT Button on the Remote Control. "RE 1" will appear on the display. The current track will playback repeatedly.

**NB: If you will not use the unit for an extended period of time, press the POWER Switch to OFF position to power off the unit then unplug the AC/DC Adaptor from AC wall outlet.**

**BT:**

**BT (Bluetooth) pairing:**

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

1. Power on the unit as previously instructed.
2. Press the MODE Button on the Unit or Remote Control repeatedly until indicator " " appears on the display and blinks to enter to BT mode.
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. When paired, the indicator " " on the display will stop blinking.
4. If pairing is complete you may now play music with your external BT Device.
5. During playback:
  - Press the ►II/SCAN Button on the unit or Remote Control to pause, press again to resume normal playback.
  - Press the I◀◀ or ▶▶I buttons on the unit or Remote Control repeatedly to skip tracks.

**Notes:**

- When the external BT Device has searched the unit, our model number "MHT890" will appear on the display of external BT Device.
- If while pairing you are asked for a code please try "0000" or "1234".

**Normal operation after pairing:**

1. Power on the external BT Device and enter to BT playback mode.
2. Power on the unit and enter to BT mode as previously instructed. Indicator "bt"

will appear on the display and blink.

3. Wait a few seconds until the unit is automatically paired to the external BT Device. The indicator “ ” on the display will stop blinking.
4. After pairing is complete you may now play music with your external BT Device.

### **FM RADIO:**

1. Power on the unit as previously instructed.
2. Press the MODE Button on the Unit or Remote Control repeatedly indicator Radio frequency “XX.X MHz” will appear on the display.
3. To store the available FM stations into the unit at first time use (or relocate the unit to a new location):
  - Press the ►II/SCAN Button on the unit or Remote Control. FM frequency on the display will start running.
  - Wait a few minutes, the unit will automatically store all the available FM stations into the memory then playback the first station.
4. Long press the I◀◀ or ▶▶I buttons on the unit or Remote Control repeatedly to select and play the stored FM station as desired.
5. If reception is weak, short press the I◀◀ or ▶▶I buttons on the unit or Remote Control repeatedly to select and play the stored FM station as desired.

### **Antennas:**

This unit has a FM wire antenna on the rear of unit, which provides adequate reception in most areas. If reception is weak, unwind and extended to its full length and/or reassemble the other direction/location to improve the reception.

### **AUX (AUX/LINE IN):**

Listen from an external Audio Player such as a Cell phone, MP3 Player, Discman ...etc.

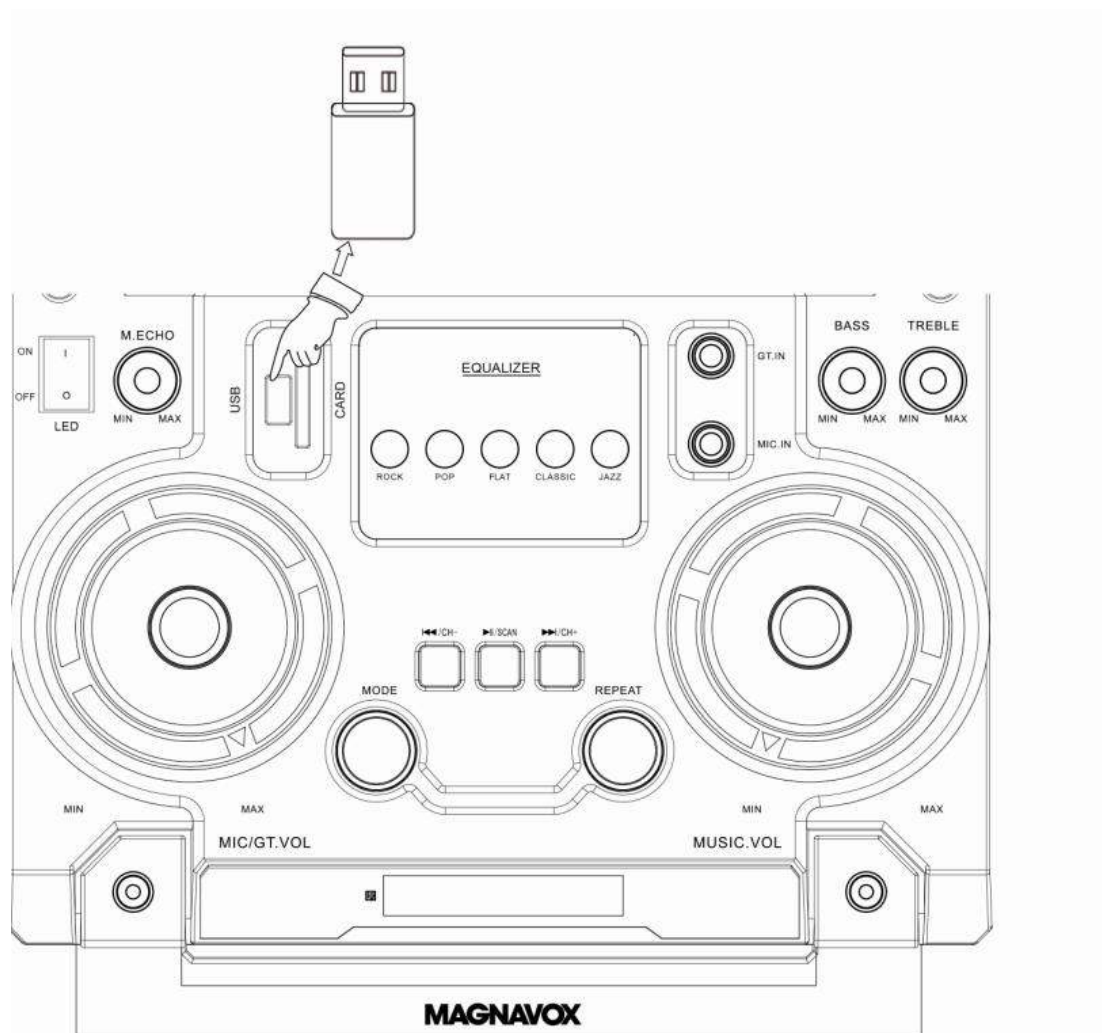
1. Connect one end of the Audio Connection Cable (included) to the AUX Out/Line Out/Phone Jack on the external Audio Player.
2. Connect the other end of the cable to the AUX (Aux/Line In) Jack on the rear of unit as illustrated below:
3. Power on the unit as previously instructed.
4. Press the MODE Button on the Unit or Remote Control repeatedly until “ ” appear on the display.
5. Play the music on the connected Player as usual. (Make sure the volume level of

the connected Audio Player is turned to high level.)

### **USB:**

To play the music in external USB Device:

1.Insert the USB Device into the USB Port on the top of unit as illustrated below:



2. Power on the unit as previously instructed.

3. The unit will automatically play the first track on the USB Device.

4. During playback:

- Press the ►II/SCAN Button on the unit or Remote Control to pause, press again to resume normal playback.
- Short Press the I◀◀ or ▶▶I buttons repeatedly to skip tracks.
- Long Press the I◀◀ or ▶▶I buttons to search the specific section .
- Use the Numeric & 10+ buttons on the Remote Control to select and plays the desired tracks. For examples:
  - To play the 4th track on the USB device, press the “4” Button. “0004”

will appear on the display then the unit will start to play it.

- To play the 14th track on the USB device, press the “4” + “10+” buttons. “0014” will appear on the display then the unit will start to play it.

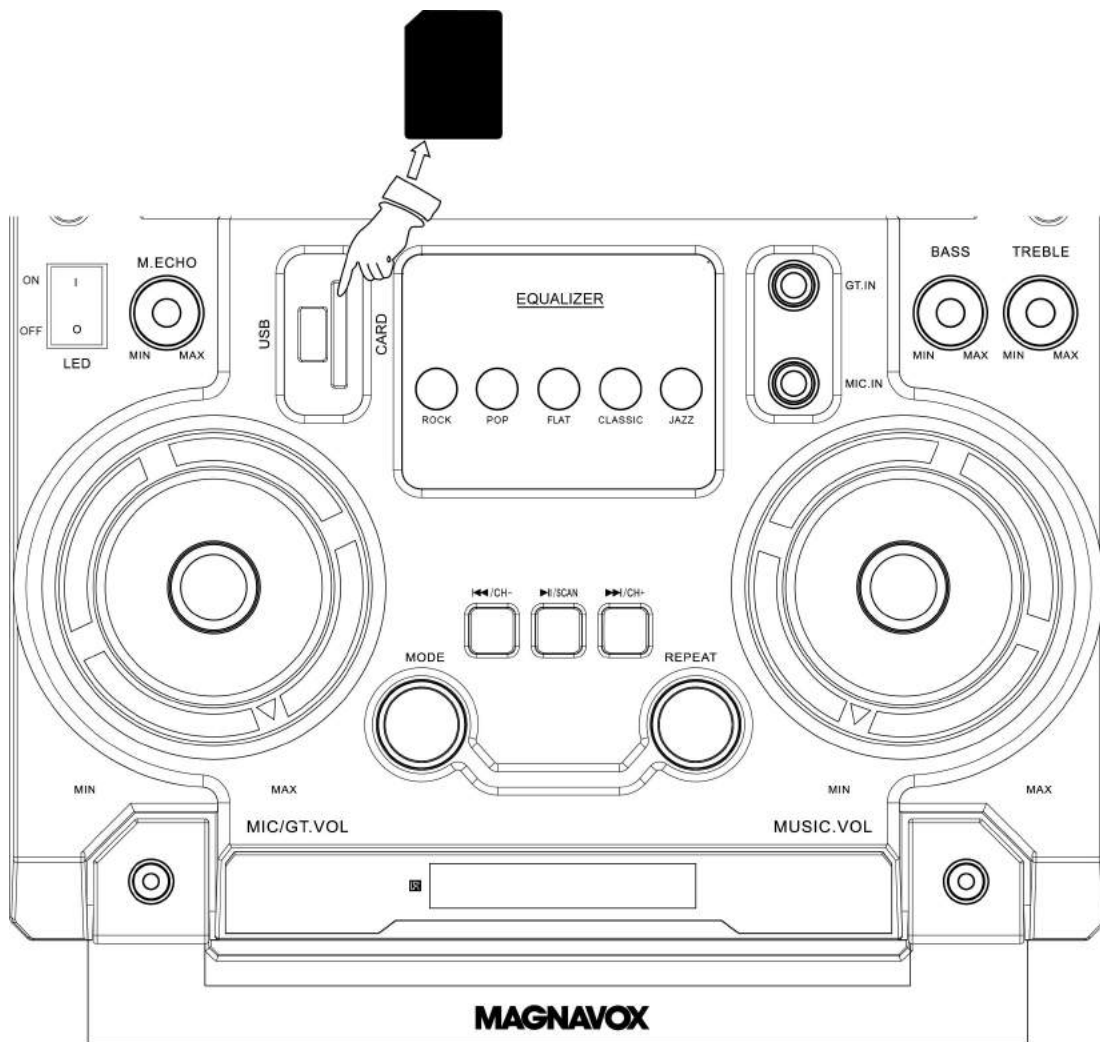
**Notes:**

- When inserting the USB Device, make sure the direction you selected is correct. Never insert violently to avoid damaging the USB Device or the unit.
- You also need to download the desired music in MP3 format into the USB Device before insert into the unit.

**SD CARD:**

To play the music in external USB Device:

1. Insert the SD CARD Device into the SD CARD Port on the top of unit as illustrated below:

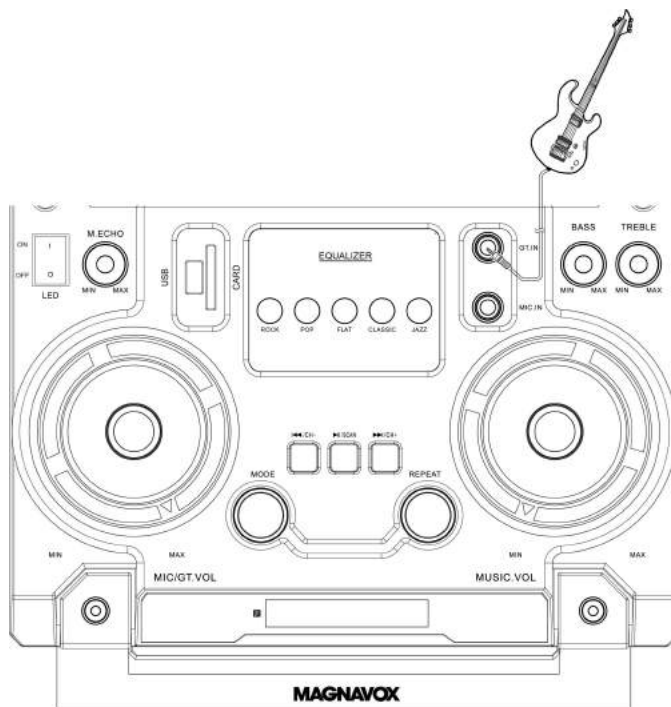


2. Power on the unit as previously instructed.
3. The unit will automatically play the first track on the SD CARD Device.
4. During playback:
  - Press the ►II/SCAN Button on the unit or Remote Control to pause, press again to resume normal playback.
  - Short Press the I◀◀ or ▶▶I buttons repeatedly to skip tracks.
  - Long Press the I◀◀ or ▶▶I buttons to search the specific section .
  - Use the Numeric & 10+ buttons on the Remote Control to select and plays the desired tracks. For examples:
    - To play the 4th track on the USB device, press the “4” Button. “0004” will appear on the display then the unit will start to play it.
    - To play the 14th track on the USB device, press the “4” + “10+” buttons. “0014” will appear on the display then the unit will start to play it.

### **Connect guitar:**

The guitar can be used in any operating mode. To connect the guitar, proceed as follows:

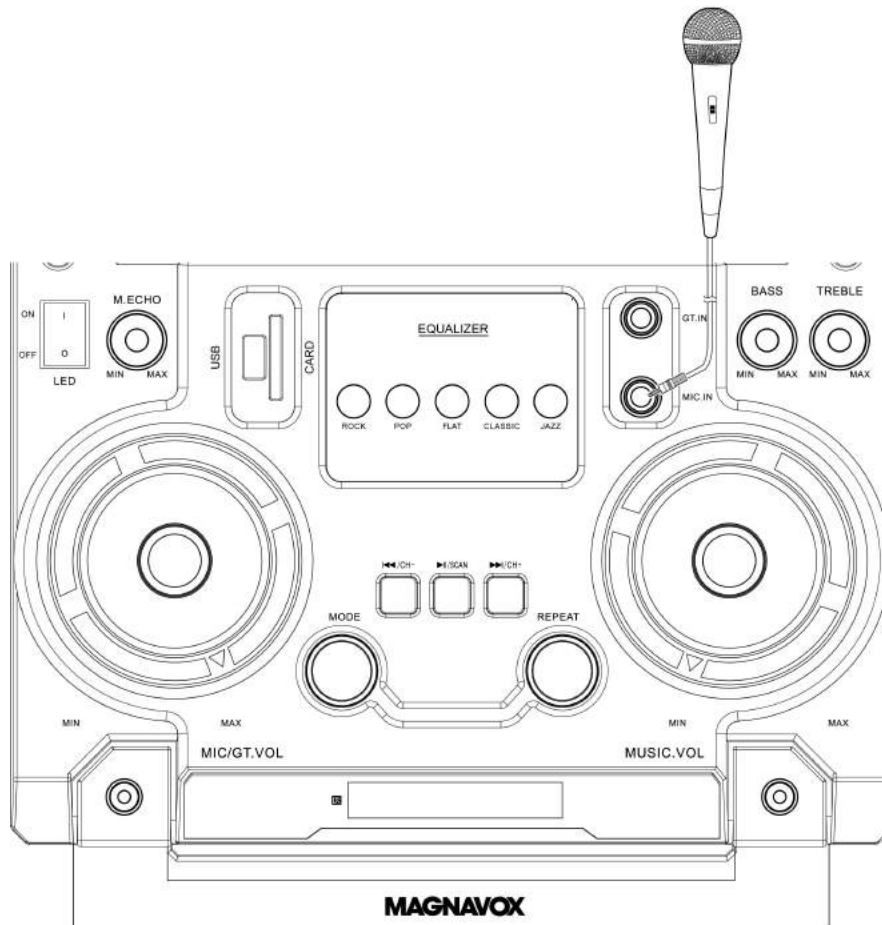
-Insert the connection cord (6.3 mm cinch) for the guitar into the guitar plug GT IN as illustrated below:



-Connect the guitar with the connection cord. Use the MIC/GT.VOL knob to select the desired guitar volume.

### **Connect microphone:**

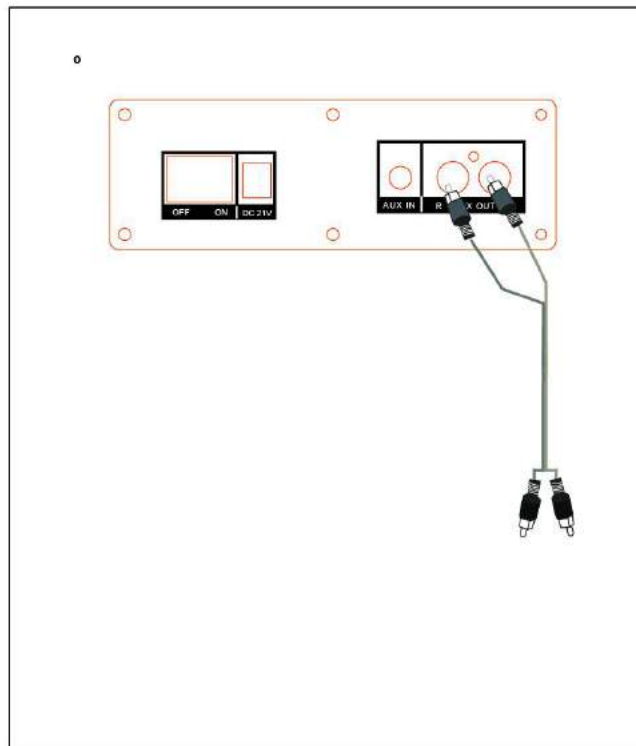
-Insert the cord of the microphone supplied into the MIC IN. plug on the top of the speaker as illustrated below:



- Use the MIC/GT.VOL knob to select the desired microphone volume.
- Use the M.ECHO knob to set any desired echo sound effect for the microphone.

## **Line out:**

As illustrated below, you can connect an external amplifier ( sound bar,active speaker etc.) to the party speaker via the LINE OUT connection on the rear panel.





## TROUBLESHOOTING:

Check the following before requesting service:

SYMPTOM	POSSIBLE CAUSE	POSSIBLE SOLUTION
No power	AC/DC Adaptor had not connected	Connected the AC/DC Adaptor to the unit and AC power as page 8
No sound or sound weak	Volume of the unit was set to minimum position	Increase the volume level by turning the VOLUME Control Knob on the unit clockwise and press the VOL + Button on the Remote Control.
	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 on the unit counterclockwise and press the VOL - Button on the Remote Control
	Volume level of the connected/paired device too high	Reduce the volume level of the connected/paired device
BT not functioning	Unit not in BT mode	Press the MODE Button on the Unit or Remote Control repeatedly until indicator “ ” appear on the display and blink to enter to BT playback mode
	The external BT Device had NOT paired to the unit	Pair the external BT Device to the unit as page 12-13
	The external BT device too far from the unit	Place the external BT device close to the unit

Radio not function	Unit not in radio mode	Press the MODE Button on the Unit or Remote Control repeatedly until Radio frequency “XX.X” or “XXX.X” appear on the display
Radio reception not good	The direction or location no good for radio reception	Unwind and extended the FM wire antenna on the rear of unit to its full length and/or reassemble the other direction/location to improve the reception
USB Device not function	Unit is not in USB mode	Press the MODE Button on the Unit or Remote Control repeatedly until “ ” appear on the display to enter to USB playback mode. The USB device must be inserted into USB port
	No audio files on the USB Device	Download the desired music in MP3 format into the USB Device before insert into the unit
SD Card Device not function	Unit is not in SD CARD mode	Press the MODE Button on the Unit or Remote Control repeatedly until “ ” appear on the display to enter to SD CARD playback mode. The SD CARD device must be inserted into USB port
	No audio files on the SD CARD Device	Download the desired music in MP3 format into the SD CARD Device before insert into the unit

## GENERAL SPECIFICATIONS:

Power Source:	DC  21V, 3.42A, 
Audio Power:	Total 70W, RMS
Impedance of Speakers:	40W, 6Ω
FM Band Converge:	87.5 – 108MHz
BT Version:	5.0
BT Operation Distance:	Up to 32 Feet in opera area

## PACKAGE INCLUDES:

- 1 x User's Manual
- 1 x Remote Control (Uses 1 x CR2025 Button Cell, included)
- 1 x Aux cable
- 1 x AC/DC Adapter

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

## LIMITED WARRANTY

Craig Electronics 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 \$20 (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 cannot 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.  
1160 NW 163 Drive  
Miami, FL 33269

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.

Under no circumstance shall Craig be liable for any loss or consequential damage arising out of the use of this product. This warranty gives specific legal rights. However, you may have other rights which may vary from state to state. Some states do not allow limitations on implied warranties or exclusion of consequential damage. Therefore, these restrictions may not apply to you.

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