

audiosonic™

Mini Hi-Fi System  
**MHF-220BT**



# Instruction Manual

Thank you for purchasing this product.  
Please read this manual carefully and  
**save it for future reference.**

**CAUTION:**

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

**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.



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.




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.

## Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
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.
 

PORTABLE CART WARNING


13. Unplug this apparatus during lightning storms or when unused for long periods of time.
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. Damage Requiring Service
  - Unplug the apparatus from the wall outlet and refer servicing 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 apparatus,
    - C. If the apparatus has been exposed to rain or water,
    - D. If the apparatus does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the apparatus to its normal operation,
    - E. If the apparatus has been dropped or damaged in any way, and
    - F. When the apparatus exhibits a distinct change in performance this indicates a need for service.
16. Object and Liquid Entry
 

Never push objects of any kind into the apparatus through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.

The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases shall be placed on the apparatus.

Don't put candles or other burning objects on top of this unit.
17. Batteries
 

Always consider the environmental issues and follow local regulations when disposing of batteries.
18. If you install the apparatus in a built-in installation, such as a bookcase or rack, ensure that there is adequate ventilation.
 

Leave 20 cm (8") of free space at the top and sides and 10 cm (4") at the rear. The rear edge of the shelf or board above the apparatus shall be set 10 cm (4") away from the rear panel or wall, creating a flue-like gap for warm air to escape.

# Precautions

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1. **Recording Copyright**—Unless it's for personal use only, recording copyrighted material is illegal without the permission of the copyright holder.
2. **AC Fuse**—The AC fuse inside the unit is not user-serviceable. If you cannot turn on the unit, contact your dealer.
3. **Care**—Occasionally you should dust the unit all over with a soft cloth. For stubborn stains, use a soft cloth dampened with a weak solution of mild detergent and water. Dry the unit immediately afterwards with a clean cloth. Don't use abrasive cloths, thinners, alcohol, or other chemical solvents, because they may damage the finish or remove the panel lettering.

## 4. Power

### WARNING

BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY.

Make sure that the voltage in your area meets the voltage requirements printed on the unit's rear panel (e.g., AC 110-240 V, 50/60 Hz).

The power cord plug is used to disconnect this unit from the AC power source. Make sure that the plug is readily operable (easily accessible) at all times. Pressing the [POWER] button to select OFF mode does not fully disconnect from the mains. If you do not intend to use the unit for an extended period, remove the power cord from the AC outlet.

## 5. Preventing Hearing Loss

### Caution

Excessive sound pressure from earphones and headphones can cause hearing loss.

## 6. Batteries and Heat Exposure

### Warning

Batteries (battery pack or batteries installed) shall not be exposed to excessive heat as sunshine, fire or the like.

## 7. Never Touch this Unit with Wet Hands

—Never handle this unit or its power cord while your hands are wet or damp. If water or any other liquid gets inside this unit, have it checked by your dealer.

## 8. Handling Notes

- If you need to transport this unit, use the original packaging to pack it how it was when you originally bought it.
- Do not leave rubber or plastic items on this unit for a long time, because they may leave marks on the case.
- This unit's top and rear panels may get warm after prolonged use. This is normal.
- If you do not use this unit for a long time, it may not work properly the next time you turn it on, so be sure to use it occasionally.
- When you've finished using this unit, remove all discs and turn off the power.

## 9. Installing this Unit

- Install this unit in a well-ventilated location.
- Ensure that there's adequate ventilation all around this unit, especially if it's installed in an audio rack. If the ventilation is inadequate, the unit may overheat, leading to malfunction.
- Do not expose this unit to direct sunlight or heat sources, because its internal temperature may rise, shortening the life of the optical pickup.
- Avoid damp and dusty places, and places subject to vibrations from loudspeakers. Never put the unit on top of, or directly above a loudspeaker.
- Install this unit horizontally. Never use it on its side or on a sloping surface, because it may cause a malfunction.
- If you install this unit near a TV, radio, or VCR, the picture and sound quality may be affected. If this occurs, move this unit away from the TV, radio, or VCR.

## 10. Moisture Condensation

### Moisture condensation may damage this unit.

Read the following carefully:

Moisture may condense on the lens of the optical pickup, one of the most important parts inside this unit.

- Moisture condensation can occur in the following situations:
  - The unit is moved from a cold place to a warm place.
  - A heater is turned on, or cold air from an air conditioner is hitting the unit.
  - In the summer, when this unit is moved from an air conditioned room to a hot and humid place.
  - The unit is used in a humid place.
- Do not use this unit when there's the possibility of moisture condensation occurring. Doing so may damage your discs and certain parts inside this unit.

If condensation does occur, unplug the power cord and leave the unit for two to three hours in the room temperature.

## Precautions—Continued

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This unit contains a semiconductor laser system and is classified as a CLASS 1 LASER PRODUCT. So, to use this model properly, read this Instruction Manual carefully. In case of any trouble, please contact the store where you purchased the unit.

To prevent being exposed to the laser beam, do not try to open the enclosure.

### CAUTION

CLASS 1 M VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

The label on the right is applied on the rear panel.

- This unit is a CLASS 1 LASER PRODUCT and employs a laser inside the cabinet.
- 2. To prevent the laser from being exposed, do not remove the cover. Refer servicing to qualified personnel.



### Before Using Your New Speakers

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- Place the speakers on sturdy, flat surfaces. Putting them on uneven or unstable surfaces where they may fall and cause damage and affect the sound quality.
- Do not keep water or other liquids close to the speakers. If a liquid is spilled over them, the woofer and tweeter inside may be damaged.
- Do not handle the speakers with wet or damp hands.

### Speaker Precautions

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The speakers can handle the specified input power when used for normal music reproduction. If they're fed any of the following signals, even if the input power is within the specified rating, excessive current may flow in the speaker coils, causing burning or wire breakage:

- Interstation noise from an untuned FM radio.
- 2. Audio from a cassette that's being fast-forwarded.
  - High-pitched sounds generated by an oscillator, electronic musical instrument, and so on.
- 4. Amplifier oscillation.
- 5. Special test tones from audio test CDs and so on.
- 6. Thumps and clicks caused by connecting or disconnecting audio cables (always turn off your amplifier before connecting or disconnecting cables).
  - Microphone feedback.

The speakers contain powerful magnets. Do not put metal items, such as screwdrivers, close to the speakers, as they may be attracted toward the magnet, causing injury, or damage to the tweeter diaphragm.

### Using Close to a CRT-type TV or Computer

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(In the following explanation, TV refers to a CRT-type TV.)

TVs and computer monitors are magnetically sensitive devices and as such are likely to suffer from discoloration or picture distortion when conventional speakers are placed nearby. To prevent this, the speakers feature internal magnetic shielding. In some situations, however, discoloration may still be an issue. In this case, turn off your TV or monitor, wait 5 to 10 minutes, and then turn it back on again. This normally activates the degaussing function, which neutralizes the magnetic field, thereby removing any discoloration effects. If discoloration problems persist, try moving the speakers away from your TV or monitor. Note that discoloration can also be caused by a magnet or demagnetizing tool that's too close to your TV or monitor.

#### Note

- If the speakers are placed close to a TV or monitor, due to the electromagnetic waves radiated by the TV or monitor, you may hear noise from the speakers even after your amplifier has been turned off. To prevent this, position the speakers away from your TV or monitor.

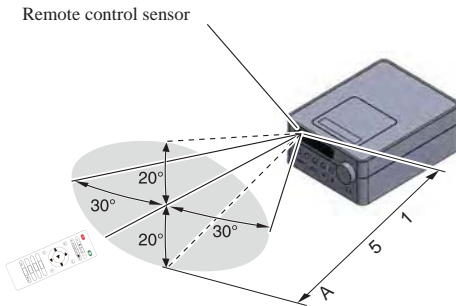
# Pack Contents

Make sure you have the following items:

- Main unit
- Speakers (left and right)
- Remote control
- Instruction manual

## Using the Remote Control

When using the remote control, point it toward the Main unit's remote control sensor, as shown below.

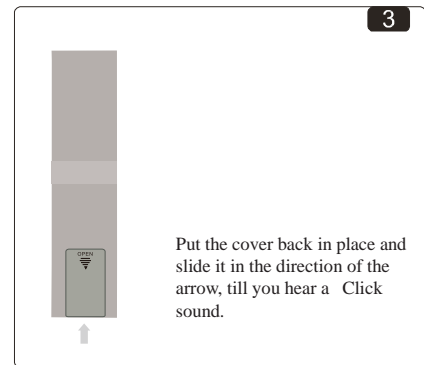
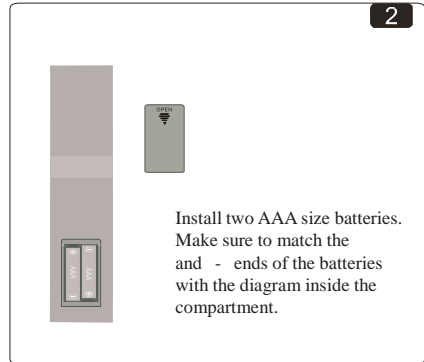
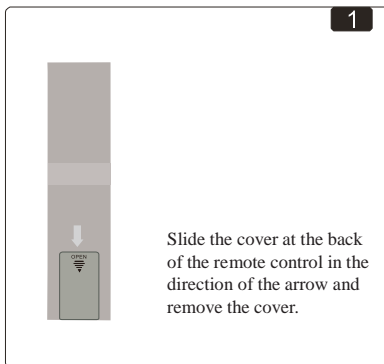


## Installation Location

This unit and its remote control might become discolored by ultraviolet or other light components if you use them in direct sunlight, or under fluorescent lighting or germicidal lamp.

## Replacing the Battery

Use only a battery of the same type (AAA).



## Note

- If the remote control doesn't work reliably, try replacing the batteries.
- If you intend not to use the remote control for a long period of time, remove batteries from compartment to prevent damage from leakage or corrosion.
- Expired batteries should be removed as soon as possible to prevent damage from leakage or corrosion.

## Caution

- Replacing the battery incorrectly may cause an explosion. Use only a battery of the same type or an equivalent.

# Features

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## **CD**

- Play audio CDs, MP CDs (CD-R and CD-RW)
- REPEAT playback mode
- PROGRAMMABLE playback

## **USB Flash Drive**

- MP playback from USB flash drives

## **SD Card**

- MP playback from SD card.

## **Bluetooth**

- Bluetooth functions that enable wireless playback via smartphones or other audio devices

## **Radio**

- FM tuner
- 0 FM presets

## **Speakers**

- Stylish cabinet
- 2 Way Bass-reflex

## **Miscellaneous**

- Sound effect mode presets
- Line input for external audio source
- Headphones jack
- Sleep timer

# Contents

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I S I	2
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P C	5
R R C	5
R B	5
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T P	
R P	1
R C	11
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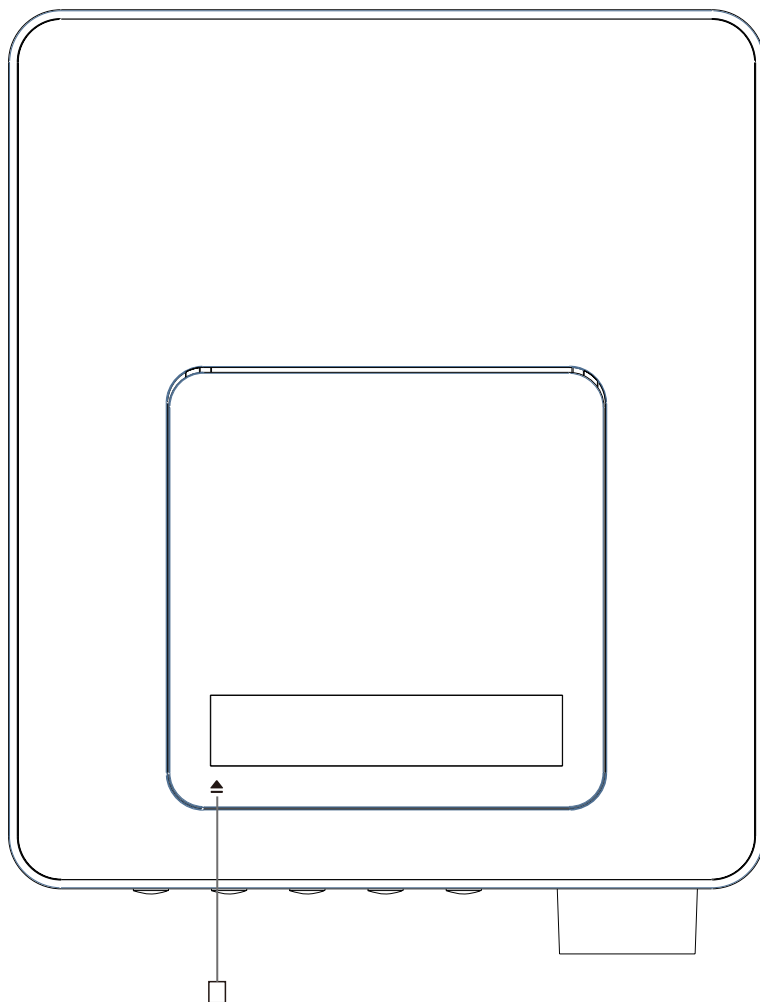
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## Top Pane

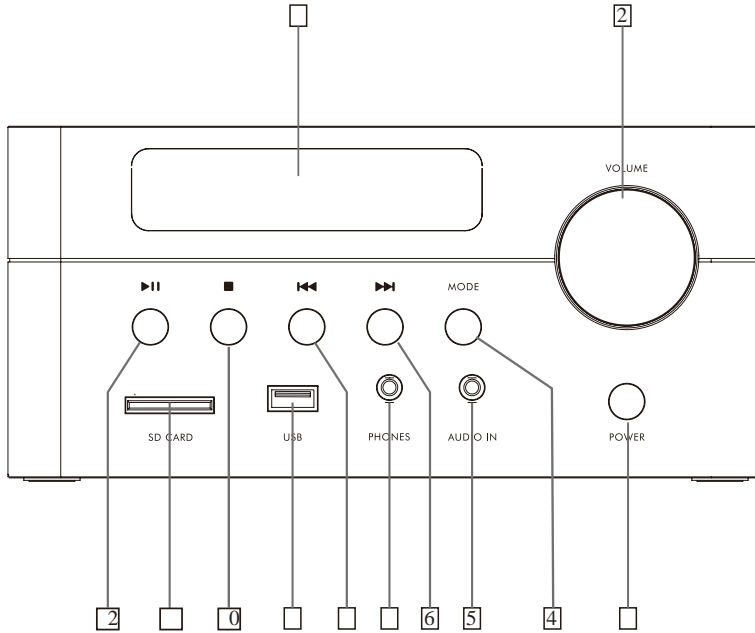


### **pen Close**

- Press to open the disc compartment cover.
- Press to close the disc compartment cover.

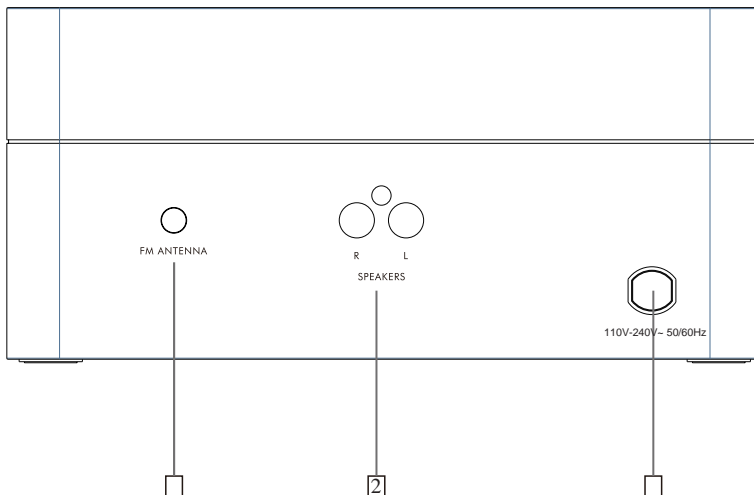


## Front Pane



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| <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>CD Displa</b> <ul style="list-style-type: none"> <li>• Displays information of playback, mode, channel etc.</li> </ul> </li> <li><input type="checkbox"/> <b>Volume Dial</b> <ul style="list-style-type: none"> <li>• Decreases or increases the volume.</li> </ul> </li> <li><input type="checkbox"/> <b>Power Button</b> <ul style="list-style-type: none"> <li>• Turns on/off the system.</li> </ul> </li> <li><input type="checkbox"/> <b>Mode Button</b> <ul style="list-style-type: none"> <li>• Selects the input mode.</li> </ul> </li> <li><input type="checkbox"/> <b>Audio In</b> <ul style="list-style-type: none"> <li>• Audio input jack.</li> </ul> </li> <li><input type="checkbox"/> <b>Next</b> <ul style="list-style-type: none"> <li>• Skips to the next title, chapter, track, or channel.</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Phones</b> <ul style="list-style-type: none"> <li>• Headphone jack.</li> </ul> </li> <li><input type="checkbox"/> <b>Previous</b> <ul style="list-style-type: none"> <li>• Skips to the previous title, chapter, track, or channel.</li> </ul> </li> <li><input type="checkbox"/> <b>USB</b> <ul style="list-style-type: none"> <li>• USB port.</li> </ul> </li> <li><input type="checkbox"/> <b>Stop</b> <ul style="list-style-type: none"> <li>• Stops play.</li> </ul> </li> <li><input type="checkbox"/> <b>SD Card</b> <ul style="list-style-type: none"> <li>• SD card slot.</li> </ul> </li> <li><input type="checkbox"/> <b>Play/Pause</b> <ul style="list-style-type: none"> <li>• Play, pause or resume play.</li> </ul> </li> </ul> |
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## Rear Pane



**FM antenna**

- Connects wire FM antenna.

**Speaker terminals**

- Connects to the right and left speakers.

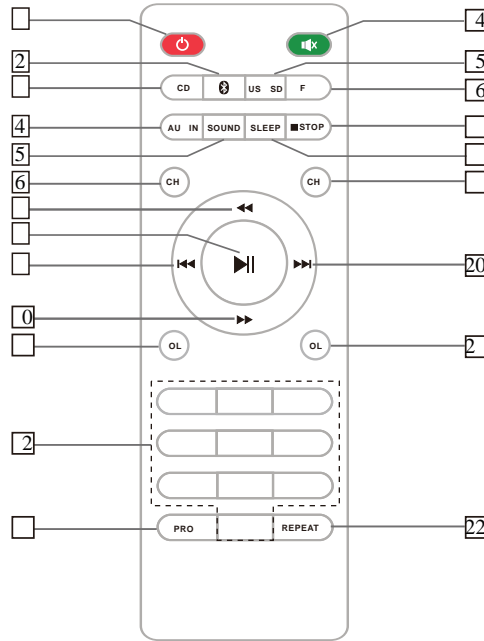
**Power in**

AC power input: 110-240V~ 50/60Hz 0.2A (Max.).

### **FM antenna**

- FM radio reception is affected by distance, physical obstacles and other broadcast signals.
- To improve radio reception, unwind and stretch the FM antenna fully, and adjust its position.

Remote Contro



1 • Turns on/off the system.

2 • Selects Bluetooth input mode.

3 **CD** • Selects CD player mode.

4 **U** • Selects LINE IN mode.

5 **S U D** • Selects different sound effect presets.

6 **C** • Skips to the previous FM channel.

4 • Searches backward at different speeds.

5 • Starts, pauses or resumes play.

6 • Skips to the previous title, chapter, or track.

0 • Searches forward at different speeds.

• Increases volume.

2 • Skips to the corresponding title, chapter, track, or FM channel.

- R**
  - Accesses or exits the program playback menu for CD.

- 4** 
  - Turns Off/On sound.

- 5** **USB SD**
  - Selects USB or SD input mode.

- 6** **FM**
  - Selects FM radio mode.

- S**
  - Stops play.

- S**
  - Selects different periods of time after which the system will turn off automatically.

- C**
  - Skips to the next FM channel.

- 20** 
  - Skips to the next title, chapter, or track.

- 2**
  - Increases volume.

- 22** **R**
  - Selects repeat mode.

# Disc Audio CD and Planar USB Flash Drive Notes

## Precautions or Labels

Compact discs (CDs) with the following logo on the label surface can be used.

Do not use discs designed for purposes other than audio, such as CD-ROMs for PC use. Abnormal noise could damage the unit and/or speakers.



The CD receiver supports CD-R and CD-RW discs. Note that some discs may not playback because of the disc characteristics, scratches, contamination or the recording state. A disc recorded with an audio CD recorder will not playback unless it is finalized.

Never use discs that have a special shape (such as hearts or octagons). These types of discs could damage the unit.



## CD Label Copy Control Function

Some audio CDs with copy-control function do not comply with official CD standards. These are special discs and cannot be played with the unit.

## Label on MP Discs

MP files recorded on a CD-R/CD-RW can be played with the unit.

- Use discs which have been recorded following the ISO 9660 Level 2 file system. (The supported directory depth is eight levels, the same as ISO 9660 Level 1.)
- Discs must be closed (finalized).
- Only MP files with the extension .MP or .mp are supported.
- Files recorded using MPEG audio layer at sampling frequencies of 2/44.1/48 kHz and a bit rate of 2-20 kbps are supported.

## Labels for USB Drives or SD cards

- The unit does not support playback from audio player units and smartphones that are not USB mass storage devices or SD cards.
- MP files recorded on a USB flash drive or a SD card can be played with the unit.
- Supported file systems are FAT 16 and FAT 32.
- Only MP files with the extension .MP or .mp are supported.
- Files recorded using MPEG audio layer at sampling frequencies of 2/44.1/48 kHz and a bit rate of 2-20 kbps are supported.
- USB hubs are not supported.

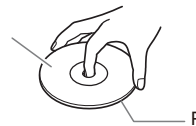
## Note

- The unit supports USB flash drives and SD cards of a maximum capacity of up to 2GB.
- A disc recorded with a recorder or personal computer may not play in some cases. (Cause: Disc's characteristics, damaged or dirty disc, dirt on player's lens, dew condensation, etc.)
- A disc recorded on a personal computer might not play depending on the application settings or environment. Record the disc in a format supported by the unit.
- A disc with insufficient storage capacity may not playback properly.
- Files are played back in the same order as they are saved in the USB flash drive. However, playback may change if the files or folders in the USB flash drive or SD card are deleted or renamed on a computer, etc.

## Handling Discs

Hold discs by the edge, or by the center hole and edge. Avoid touching the playback surface (surface with nothing printed on it).

L



Do not attach paper or stickers, or write on the playback or label surface of the disc. Take care not to scratch or damage the disc.

# Basic Operations

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This manual describes the procedure for using the remote control unless otherwise specified.

## Turning on the unit


### Press the button

You can also use the POWER button on the unit.

The unit is turned on, and the display lights up. Press the button again to turn it off (standby mode).

## Selecting the Input Source

You can select CD, USB/SD, Bluetooth, FM, or LINE IN which can be an external component.

To select the input source, use the remote control's CD, , USB/SD, FM, AU IN buttons.

On the unit press the MODE button repeatedly.

## Adjusting the Volume

To adjust the volume use the **OLUME** buttons

You can also use the unit's VOLUME control dial.

## Muting the unit

### Press the button

Press the button to unmute.

#### Tip

- You can also unmute the unit by adjusting the volume.
- Alternatively, set the unit to standby, then turn it on again to cancel muting.

## Using Headphones

You can connect a pair of stereo headphones (3.5 mm, 1/8-inch phone plug) to the receiver's PHONES jack for private listening.

#### Note

- Always turn down the volume before connecting your headphones.
- While the headphones plug is inserted in the PHONES jack, the speakers are turned off.

## Selecting Sound Effect Preset

To select your desired sound effect preset press **SOUND** button repeatedly

# Playing CDs

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This manual describes the procedure for using the remote control unless otherwise specified.

## Playing CDs

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Press the **▲** **mar** button to open the disc compartment door.

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Place CD in the compartment with the label side facing up.

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Change the input mode to CD then press the **▶|** button.

To change the input mode to CD, press the remote control's CD button, or press the MODE button on the main unit repeatedly. Playback will start automatically.

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### To pause playback

Press the **▶|** button. To resume playback, press the **▶|** button again.

### To Fast Forward or Fast Reverse

During playback, press the Fast Forward **▶▶** button repeatedly to fast forward at different speed, or the Fast Reverse **◀◀** button repeatedly to fast reverse at different speed.

### To stop playback

Press the **■** button.

### To remove the CD

Press the **▲** button to open the disc tray.

### Selecting tracks

Press the Previous **◀◀** button repeatedly to skip to previous tracks.

Press the Next **▶▶** button repeatedly to skip to subsequent tracks.

Press the 0- buttons to skip to the corresponding track directly.

### Repeat Playback

Press the REPEAT button repeatedly to display REPEAT ONE, REPEAT ALL or REPEAT OFF.

With REPEAT ALL playback, all songs will be played back repeatedly.

With REPEAT ONE playback, only one song will be played back repeatedly.

To cancel repeat playback, press the REPEAT button repeatedly until REPEAT OFF is displayed.

# Wireless Playback via Bluetooth

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The mini Hi-fi enables you to wirelessly play music from your Bluetooth-enabled smartphone, tablet, mobile music player, or personal computer via Bluetooth.

To play back music via Bluetooth, you must first pair the unit with your Bluetooth-enabled device. Once pairing is established, the pairing information is stored in both devices and you will not need to repeat the pairing process.

However, if you delete the device registration from either device and the pairing information is deleted, you must pair the devices again.

## Pairing

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- 1 Place the Bluetooth device within 1 metre from the system.  
**Turn on “Bluetooth” on your Bluetooth-enabled device.**
  - 2 Turn on the unit, then press **Ⓜ** button directly, or press MODE button on the unit repeatedly to select Bluetooth input mode. The unit engages pairing mode, with voice prompt “Bluetooth Mode. Waiting for Pairing.”
  - 3 Register the unit on your Bluetooth-enabled device  
  
When your Bluetooth-enabled device displays a list of detected devices, select “MHF-220BT.” If the device requests a password, enter “0000.” Please note that the registering (pairing) process might vary depending on the Bluetooth-enabled device. For more information, refer to the user’s manual for the device.
  - 4 When pairing is complete, the unit makes voice prompt “Paired.”  
  
When pairing is complete, a Bluetooth connection is established. If a connection is not established, try to connect from the Bluetooth-enabled device.
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### Note:

- If the pairing fails, turn “Bluetooth” off on the Bluetooth-enabled device, turn it on again, and then try the procedure from step 1.
- If you want to pair other Bluetooth-enabled devices, perform steps 1-4 for each device.

## Playing Back Music on Your Bluetooth-enabled Device

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- 1 Turn on “Bluetooth” on your Bluetooth-enabled device.
  - 2 Turn on the unit, then press **Ⓜ** button directly, or press MODE button on the unit repeatedly to select Bluetooth mode.  
  
If a Bluetooth connection is established automatically, skip to step 4.
  - 3 Perform the Bluetooth connection steps on the Bluetooth-enabled device to connect to the MHF-220BT.
  - 4 Play back audio on your Bluetooth-enabled device.
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If the volume level on the Bluetooth-enabled device is low, the playback volume relative to other input sources will be low. Raise the volume level on the Bluetooth-enabled device to an appropriate level (if necessary, to the maximum).

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### Note:

- When you press the MODE button on the unit to change the input source to Bluetooth, the unit will automatically connect to the Bluetooth-enabled device that was connected last time. If a connection is not established automatically, try to connect from the Bluetooth-enabled device.
- Bluetooth connection will be cut off if you change the input to any source other than Bluetooth or set the unit to standby mode.
- If your Bluetooth-enabled device features a bass boost or equalizer function, disable these functions. Otherwise, the playback sound may be distorted.



## Listening to the Radio

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This manual describes the procedure for using the remote control unless otherwise specified.

### Presetting FM Stations Automatically Auto Preset

#### Auto Preset Caution

Any existing presets will be deleted when the Auto Preset function is run.

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**Press the F button to change or ODE button on the unit input source to F.**

Adjust the position of the FM antenna for the best FM reception.

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**Press the  button**

The Auto Preset function is activated. Up to 10 stations can be preset and presets are stored in frequency order. If you want to cancel the Auto Preset process, press the **■ STOP** button.

#### Note:

Depending on your location, a preset may be stored with no station, and you'll hear only noise when you select it.

### Selecting Preset Stations

You must store some presets before you can select them.

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**Press the F button or ODE button on the unit to change the input mode to F.**

The preset you selected the last time you listened to the radio will be selected.

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**Use the CH CH buttons to select a preset**

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## Playing an External Device

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**Playing back from an External Device Connected to the LINE IN**

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**Press the AU IN button to change the input mode to LINE**

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**Play back from external device**

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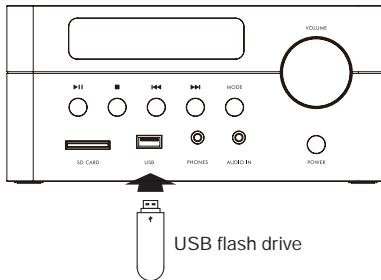
#### Note:

- This adjustment affects only the speaker volume; the headphone volume cannot be adjusted.
- If the volume level of your external audio device is substantially low, this adjustment may not be sufficient. In such a case, raise the volume level on the external audio device.
- If the input level is raised excessively, the sound may distort. If this occurs, adjust the input level appropriately.

## Playing a USB Flash Drive

This manual describes the procedure for using the remote control, unless otherwise specified.

- 1 Press the USB/SD button to change the input source to "USB".
- 2 Insert a USB flash drive in the USB port.



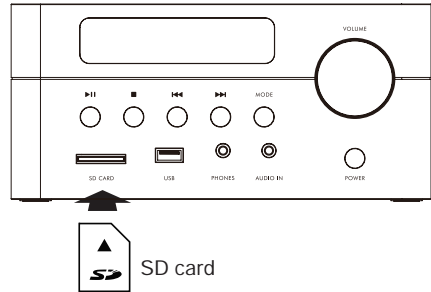
- 3 To start playback, press the ►|| button.
- 4 To stop playback, press the ■ STOP button.

### Note:

- Do not connect your B flash drive via a B hub.
- When connecting or disconnecting a B flash drive, use your hand to support the unit so that it does not move.
- For details on the usable formats for a B flash drive, refer to page 1 "Playback from B Drives or D cards".
- Do not connect the unit's B port to a B port on your computer.

## Playing a SD Card

- 1 Press the USB/SD button to change the input source to "SD".
- 2 Insert a SD card in the card slot.



- 3 To start playback, press the ►|| button.
- 4 To stop playback, press the ■ STOP button.

### Note:

- The memory cards will only fit in one direction. Do not force them as this will damage the card reader.
- When connecting or disconnecting a D card, use your hand to support the unit so that it does not move.
- For details on the usable formats for a D card, refer to page 1 "Playback from B Drives or D cards".

# Troubleshooting

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If you have any trouble using the unit, look for a solution in this section.

## Power

Can't turn on the unit.

- Make sure that the power cord is properly plugged into the wall outlet.
- Unplug the power cord from the wall outlet, wait 5 minutes or more, then plug it in again.

The unit turns off unexpectedly.

- If the sleep timer has been set, the unit will turn off automatically after a specified period.
- The unit will automatically enter standby mode when Auto Standby has been set and launches.

## Remote Control

The remote control doesn't work properly.

- Replace the battery with a new one.
- The remote control is too far away from the unit, or there's an obstacle between them.
- The unit's remote control sensor is being subjected to bright light (inverter-type fluorescent light or sunlight).
- The unit is located behind the tinted glass doors of an audio rack or cabinet.

## Audio

There's no sound.

- Make sure the unit's volume is not set too low.
- Make sure the correct input source is selected.
- Make sure the unit is not muted.
- Check all connections and correct as necessary.
- While headphones are connected, the speakers output no sound.
- If there's no sound from an external device connected to I/EI, check whether the external device's audio output level (volume) might be too low.

The sound quality is not good.

- Make sure all audio connecting plugs are pushed in all the way.
- The sound quality can be affected by strong magnetic fields, such as that from a TV. Try moving any such devices away from the unit.
- If you have any devices that emit high-intensity radio waves near the unit, such as a cellular phone that's being used to make a call, the unit may output noise.
- The unit's precision drive mechanism may emit a faint hissing sound while reading discs during playback or when searching for tracks. You may be able to hear this noise in extremely quiet environments.

Audio output is intermittent when the CD receiver is subjected to vibration.

- The unit is not a portable device. Use it in a location that's not subject to shock or vibration.
- Make sure that the included floor pads are attached to the speakers.

Headphones output is intermittent or there's no sound.

- Make sure that the headphones cable is not broken or damaged. Also, clean the headphones plug. See your headphones instruction manual for cleaning information.

Audio performance.

- Audio performance will be at its best about 10 to 30 minutes or more after the unit has been turned on and had time to warm up.
- Singing cable ties to bundle audio cables with speaker or power cables may degrade the sound quality, so don't do it.

## Troubleshooting— *Continued*

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### CD Playback

The disc will not play.

- Make sure the disc has been loaded correctly, with the label-side facing up.
- Check to see if the surface of the disc is dirty.
- If condensation is suspected, turn on the unit and leave it for 2 to 3 hours before playing any discs.
- Some D-R RW discs may not be playable.

It takes a long time for playback to start.

- It may take the unit a while to read CDs that contain many tracks or files.

Playback stops.

- The unit is being subjected to vibration or the disc is scratched or dirty.
- The volume may be too loud. Turn down the volume.

Can't play MP Discs.

- Use only discs compliant with ISO Level 1 or Level 2 or UDF file system.
- The disc has not been finalized (closed). Finalize (close) the disc.
- Check whether the file format is supported (see page 1).
- MP files without a ".MP" or ".mp" file extension are not recognized.

### Bluetooth

Bluetooth pairing fails.

- If there are any other Bluetooth-enabled devices near the unit, turn off the power to those devices and then perform the pairing process again.
- Delete the registration information for the MHF-220BT on the Bluetooth-enabled device, then perform the pairing process again.

Sound via Bluetooth connection is interrupted.

- There may be a wireless device or microwave oven nearby. If so, locate the unit away from those devices.
- The Bluetooth-enabled device may be too far from the unit, or there may be a wall between the devices. If so, use your Bluetooth-enabled device closer to the unit.

Sound via Bluetooth connection is delayed and does not sync to the video.

- Due to Bluetooth transfer characteristics, there may be a certain amount of signal latency. For this reason, you might notice a slight delay in audio output from the unit, in relation to the playback of video on your Bluetooth-enabled device.

### USB Flash Drive Playback

Can't access the music files on a USB flash drive.

- The unit supports USB flash drives only. However, this does not necessarily guarantee the performance of all USB flash drives.
- Make sure that the USB flash drive has been formatted as FAT1 or FAT2.
- USB hubs are not supported. Be sure to connect a USB flash drive directly to the unit.
- This unit cannot play files other than MP files.

The message "No USB" is displayed.

- Try reconnecting your USB flash drive.

Can't play MP files.

- MP files without a .MP or .mp file extension are not recognized.
- Check whether the MP format is supported (see page 1).

### F adio

ception is noisy, or the uto Preset function doesn't preset all stations.

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- Check the antenna connections.
- Change the position of the antenna.
- Move the unit away from a nearby TV or computer.
- Cars or airplanes can cause noisy interference.

The unit contains a microcomputer. In very rare situations, severe interference, noise from an external source, or static electricity may cause it to malfunction or lock up. In the unlikely event that this should happen, unplug the power cord, wait at least 5 minutes, and then plug it back in again.

t t o e	
THD (total harmonic distortion)	10 (Power Rated)
Input sensitivity and impedance	1000 m 10 kΩ ( I E)
Frequency response	0 Hz - 22 kHz dB, - dB
Signal to noise ratio	0 dB ( I E, IHF- )
Speaker impedance	- 1 Ω
Tuning frequency range . - 10 . MHz	
Channel presets	0
Signal Readout	Optical non-contact
Frequency Response	0 Hz - 20 kHz
THD (Total Harmonic Distortion)	0.1
Playable media	D and D-R D-RW (music Ds and MP Ds)
Playable media	B Flash Drive (MP )
Communication system	Bluetooth specification version 2.1+EDR
Maximum communication range	Line of sight approx. 10 m ( )
Frequency band	2.4 Hz band (2.4000 Hz - 2.4 Hz)
Modulation method	FH (Freq Hopping spread spectrum)
Compatible Bluetooth profiles	2DP 1.2 (Advanced Audio Distribution Profile) R P 1. (Audio Video Remote Control Profile)

supported odec B  
Transmission range ( 2DP) 20 Hz - 20,000 Hz ( amplifying frequency 44.1 kHz)  
The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, cordless phone, reception sensitivity, antenna's performance, operating system, software application, etc.

Type	2 way bass-reflex
Impedance	Ω
Maximum input power	10 W
Output sound pressure level	0 dB W m
Frequency response	0 Hz - 20 kHz
Cabinet capacity	4. liter
Dimensions (W x H x D)	1 0 x 210 x 1 0 mm
Weight	1. kg
Driver units	. cm ( ) Woofer . cm (1. ) Tweeter
Terminal	R type

Power supply	110-240 , 0 0
Power consumption	Hz 20 W
Maximum sound power consumption	W
Dimensions (W x H x D)	21 x 100 x 2 mm
Weight	1.2 kg
■ Analog input	I E I
■ Speaker Outputs	2 ( R)
Headphones	1

Specifications and features are subject to change without notice.

# 12 Month Warranty

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Thank you for your purchase from Kmart.

Kmart Australia Ltd warrants your new product to be free from defects in materials and workmanship for the period stated above, from the date of purchase, provided that the product is used in accordance with accompanying recommendations or instructions where provided. This warranty is in addition to your rights under the Australian Consumer Law.

Kmart will provide you with your choice of a refund, repair or exchange (where possible) for this product if it becomes defective within the warranty period. Kmart will bear the reasonable expense of claiming the warranty. This warranty will no longer apply where the defect is a result of alteration, accident, misuse, abuse or neglect.

Please retain your receipt as proof of purchase and contact our Customer Service Centre on 1800 124 125 (Australia) or 0800 945 995 (New Zealand) or alternatively, via Customer Help at [Kmart.com.au](http://Kmart.com.au) for any difficulties with your product. Warranty claims and claims for expense incurred in returning this product can be addressed to our Customer Service Centre at 690 Springvale Rd, Mulgrave Vic 3170.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

For New Zealand customers, this warranty is in addition to statutory rights observed under New Zealand legislation.

## Warning

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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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

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