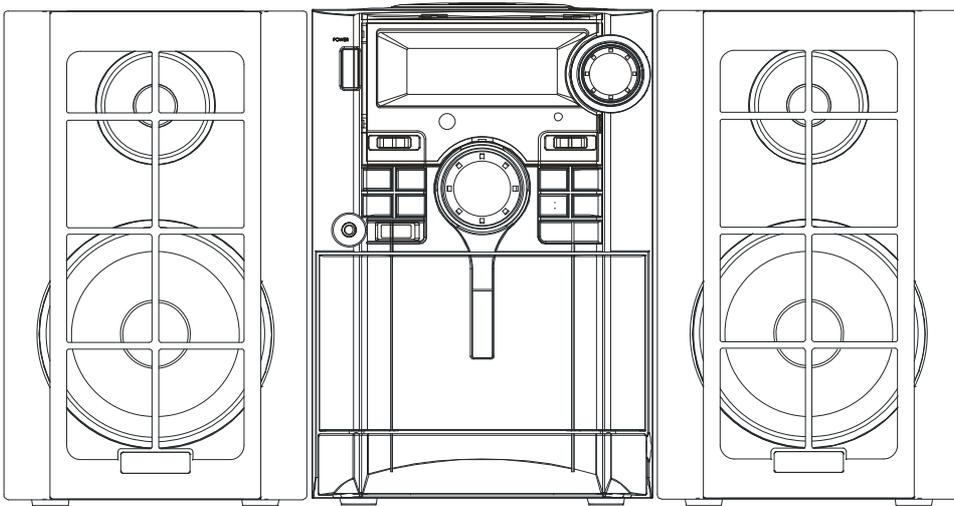


MCD7890



INSTRUCTION MANUAL

IMPORTANT SAFETY INSTRUCTIONS

When using any electrical apparatus always observe safety regulations and use basic safety precautions to reduce the risk of fire, electric shock and personal injury, including the following.

1. Read, Keep and Follow these instructions, heeding all Warnings.
2. Keep out of reach of young children. This apparatus is not suitable for use by young children or infirm persons without supervision. Young children must be supervised to ensure that they do not play with the apparatus.
3. WARNING. Do not insert any objects into any openings of an electrical apparatus.
4. WARNING. Do not touch any moving parts of any electrical apparatus.
5. WARNING. Do not use this apparatus near water. To avoid the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashes.
6. WARNING. No objects filled with liquid, such as vases, shall be placed on any electrical apparatus
7. Do not immerse in any liquid whilst in use or in cleaning. Clean only with a damp cloth, dry with a dry towel. Do not use harsh abrasives as these may damage plastic parts.
8. DO NOT block any ventilation openings. Install in accordance with the manufacturer's instructions. Always allow a sufficient gap around the apparatus to avoid overheating.
9. DO NOT install near any heat sources such as radiators, gas heaters, stoves or other apparatus (including amplifiers) that produce heat. Do not leave in direct sunlight.
10. WARNING. Do not place any naked flame source, such as lighted candles on any electrical apparatus
11. Connect to a suitable 230V ~ 50 Hz power supply only.
12. Always unplug from the power source when any electrical apparatus is not in use.
13. Do not abuse or damage a power cord. If any power cord is damaged, it must be replaced by the manufacturer, its service agent or a similarly qualified person in order to avoid a hazard. A replaceable cord must be replaced with an authorised replacement from an authorised service agent only.
14. Only use attachments/accessories specified by the manufacturer
15. Unplug this apparatus during lightening storms or when unused for long periods of time
16. Attention is drawn to the environmental aspects of disposing of any battery.
17. Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as when the 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
18. Do not attempt to service any double insulated apparatus. Double insulated apparatus requires specialist servicing and knowledge to retain the safety of the apparatus.
19. WARNING. Do not use any electrical apparatus outdoors. If any electrical apparatus is to be used outdoors, use a suitable Isolating transformer or Electrical Safety Switch (RCD).
20. For household use only, this apparatus is not intended for commercial use.
21. If this apparatus is to be used by a third party, please supply these instructions with it.
22. No liability will be accepted for any personal injury or damage caused by failure to follow these instructions
23. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.
24. Mains plug is used as the disconnect device and it shall remain readily operable. To be completely disconnected the power input, the mains plug of the apparatus shall be disconnected from the mains completely. The mains plug should not be obstructed or should be easily accessed during intended use
25. Minimum 30mm distances around the apparatus for sufficient ventilations
26. the ventilation should not be impeded by covering the ventilation openings with items such as newspaper, tablecloths, curtains etc.
27. No naked flame sources such as lighted candles should be placed on the apparatus;
28. Attention should be drawn to the environmental aspects of battery disposal;
29. The use of apparatus in moderate climates

WARNING

CLASS 1 LASER PRODUCT

CLASS 1 LASER PRODUCT

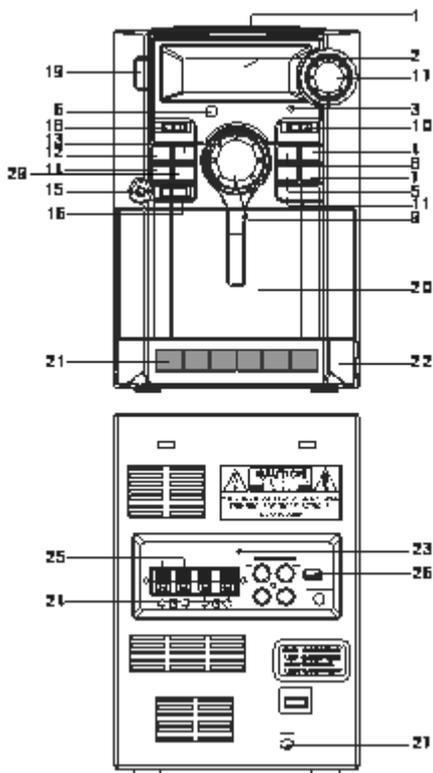
**CAUTION
INVISIBLE LASER RADIATION WHEN
OPEN AND INTERLOCKS DEFEATED.
AVOID EXPOSURE TO BEAM.**



This product contains a low power laser device.

CONTROLS

1. CD OPEN/CLOSE DOOR
2. LCD DISPLAY
3. POWER INDICATOR
4. STOP BUTTON
5. SKIP- BUTTON
6. REMOTE SENSOR
7. SKIP+ BUTTON
8. PLAY/PAUSE BUTTON
9. VOLUME + - BUTTON
10. FUNCTION SELECTOR
11. PROG. BUTTON
12. BBS BUTTON
13. CD/USB BUTTON
14. MODE BUTTON
15. PHONES JACK
16. USB JACK
17. TUNING CONTROL
18. BAND SELECTOR
19. POWER BUTTON
20. CASSETTE DOOR
21. CASSETTE CONTROL KEYS
22. CASSETTE KNOBS DOOR
23. FM ANTENNA
24. SPEAKERS Left
25. SPEAKERS Right
26. BEAT CUT
27. POWER CORD
28. FOLDER BUTTON



REMOTE CONTROL FUNCTIONS

Preparation before use

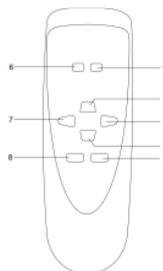
- Installing batteries in the remote control unit
 1. Remove the battery cover from the back of the remote control unit.
 2. Insert two "AAA \ UN-4" size batteries.
- Insert the batteries with the ⊕ and ⊖ terminals matching the indication inside the battery compartment.
- 3. Replace the cover.
- Battery replacement
- When the remote control operation becomes unstable or the distance from which the remote control works is shorter, replace the batteries with new ones.

Using the remote control unit

To use the remote unit, point at the REMOTE SENSOR and press the buttons gently and firmly. Remote control operation is possible within approximate 18ft(6m). However, since the remote control range is less when the unit is used at an angle, use directly in front of the REMOTE SENSOR, for maximum distance.

Do not expose the REMOTE SENSOR to strong light (direct sunlight or artificial lighting) and make sure that there are no obstacles between the REMOTE SENSOR and the remote control unit.

1. CD/USB button
2. PLAY/PAUSE button
3. SKIP + button
4. STOP button
5. PROG. button
6. FOLDER UP button
7. SKIP - button
8. MODE button



CONNECTING SPEAKERS

Connect the speakers to the red and black terminals on the back of the unit as shown. Use the R-terminals for the right speaker and L-terminals for the left speaker. Flip down red or black terminal flap; insert the speaker wire and release flap to lock the wire in place.



MAINS CONNECTION

Make sure that all the components and speakers are correctly connected.

Check that the rated voltage of your units matches the voltage of your power supply (230V-240VAC~50Hz)

Plug the AC Plug into the AC outlet.

HEADPHONES

Be sure that your headphones have a 3.5mm stereo plug with an impedance of 8-32 Ohms. When the headphones are connected the speakers will automatically mute.

LISTENING TO THE RADIO

- Press the power button to switch on the unit.
- Set the function selector to the RADIO position.
- Select the wave band (AM, FM or FM ST) by using the BAND selector.
- Tune in your desired radio station by turning the Tuning knob.
- Switch off by setting the function switch to the CD position or pressing the power button

NOTE: for best FM radio reception, extend out the Fm antenna cord. For AM reception, a built in ferrite antenna receives the signals. Adjust the reception quality by turning the entire unit.

When the FM stereo signals are too weak or there is too much background noise it is better to switch the band selector to FM (mono) position.

PLAYING A COMPACT DISC

- Set the function selector to CD.
- Press the CD-open button, place a disc in the centre with the label side up and close the CD door gently.
- The total number of tracks available will be shown in the display
- Pressing the PLAY button after inserting a CD will start the first track playing.
- To pause the track, press the PLAY / PAUSE button while the track is playing. To return to normal playback press the PLAY / PAUSE button once more.
- To stop the CD playing press the STOP button

SELECTING A DESIRED TRACK IN STOP MODE

- Press SKIP / SEARCH Up or Down until the desired track number appears on the LCD display.
- Press PLAY / PAUSE to begin playing that selected track. The selected track number will appear on the LCD display.
- You can skip forward to another track by pressing the SKIP Up button. The tracks will skip forward once each time the button SKIP button is pressed.
- Pressing the SKIP Down button while in play mode will return you to the beginning of the track being played. Pressing the button more than once will skip down a track each time it is pressed.

SEARCHING FOR A PASSAGE OF PLAY

While the song is playing, if you press and hold the SKIP Up / Down button you can listen to the track at a high speed forward or backwards to find a particular passage of play. The sound will be played faster than normal but at a reduced volume. Play will return to normal when the SKIP up / down button is released.

CD PROGRAMMING TRACKS

You can program in up to 20 tracks in any desired order for programmed playback.

- Set the FUNCTION switch to CD
- Press the PROGRAM button
- Press the SKIP Up / Down button to select the track number that you wish to program in
- Once you have selected the desired track number press the PROGRAM button
- Repeat steps 2 & 4 to program in more tracks.
- Once you have programmed in all the tracks you want, press the PLAY / PAUSE button to begin playback of the programmed tracks. The playback will begin at the start of the first programmed track

A stored program will be erased when the function switch is moved to the Radio position or the unit is turned off.

Playing MP3 disc

- Set the function select to CD/MP3/USB mode
- The total number of track available will be shown in the display
- Press the play button will start the first track playing
- To pause the track, press the Play/Pause button while the track is playing to return to normal playback press the Play/Pause button once more
- To select the Folder, use the remote control press the Folder |<< and >>| to select next folder
- To stop the CD playing press the stop button
-

MP3 Programming Tracks

- You can program in up to 20 Tracks in any desired order for programmed playback.
- Set the function switch to CD/MP3/USB
- Press the program button
- Press the skip up/down or Folder |<< and >>| on remote control to select the track number or folder that you wish to program in
- Once you have selected the desired track number press the program button
- Repeat steps 2 - 4 to program in more tracks
- Once you have programmed in all the tracks you want, press the PLAY/PAUSE button to begin playback of the programmed tracks. The playback will begin at the start of the first programmed track.

A stored program will be erased when the function switch is moved to the radio position or the unit is turned off.

USB Function

- Set the function selector to CD/MP3/USB mode
- Press the CD/USB button to change to USB mode.
- Then the display will show the total number of track for the USB.

- Press play to start to play the song
- Press the CD/USB button again and change to CD mode.

Folder Up/Down

- When you in MP3 or USB mode
- Press the Folder Up button go to the next folder.
- Press the Folder Down button back to pervious folder
-

Repeat Button

To repeat one or all tracks press the Repeat button before or during playback. Pressing the REPEAT button once will repeat the current track only, pressing it twice will repeat Album and pressing third time will repeat all the track. Press again will turn to normal.



Cassette Operation

Turn the Function switch to Tape position to select cassette mode.

1. Play

- Move the cassette buttons door towards down.
- Press the Stop ■/▲ button to open the cassette door.
- Insert a cassette in the door with recording tape downside..
- Close the cassette door.
- Press the Play ► button to start playback.
- Set the volume to desired level.
- To manually stop the tape, press the Stop/Ej button.
- To remove the tape, press again the Stop/Ej button and the door will open.
- Remove the tape and close the door.

2. Fast forward

The button marked ►► of the compartment is the FAST FORWARD button. Press this button to advance the tape, when it reaches the desired position, press the button marked ■/▲ to stop the fast forwarding.

3. Rewind

The button marked ◀◀ of the compartments is the REWIND button. Press this button to rewind the tape. When it reaches the desired position, press the button marked ■/▲ to stop rewinding.

4. Pause

The button marked || is the PAUSE button. If you want to stop tape while it is playing, press the PAUSE button to pause play. To continue playing, press the same button again.

5. Stop/ Eject

The button marked with ■/▲ is the stop/eject button. If you want to stop or take out the tape whilst playing, fast forward or rewinding, press this button to stop. Pressing it again will eject the tape.

6. Recording from the Radio

Follow the instructions on the section "Radio operation".

Open the cassette door and insert a blank tape.

Set the tape on the point you want to start recording using Rew and F.Fwd buttons.

Tune a station you want to record, press simultaneously Record and Play buttons. Both buttons should remain pressed.

Now you are recording from the radio, recording process will automatically stop at the end of the tape.

To manually stop recording, press Stop/Ej button.

NOTE: if you wish to listen to your recording, slide the function switch to Tape position, press Rew button to rewind the tape until you reach the point in which recording is started, then press Play button to start playback.

Please be sure that volume level is not at minimum.

7. Recording from the Compact disc

Slide the function switch to CD position. Load a disc and close CD door.

Insert a tape in the cassette door. Press cassette Pause button.

Press cassette Record and Play buttons. Start playback by pressing CD Play/Pause button. Release cassette Pause button when you want to start recording. Press Stop/Eject button to stop recording.

To listen to your recording, slide the function switch on Tape position, press Rewind and then Play buttons.

TECHNICAL SPECIFICATION

SPECIFICATIONS

Power Supply	:AC 230V -50Hz
Power Consumption	:15 watts
Output Power (Per channel)	:2 Watts X 2 RMS into 4 OHM
Radio Section	:AM 540 – 1600 KHz FM 88 – 108 MHz
Compact Disc Section	
Frequency Response (-3dB)	:60 – 16,000 Hz
Signal-to-noise Ratio	:60 dB
Harmonic Distortion	:0.4%
Cassette section :	
Tape speed	: 4.75cm/sec.
Wow and Flutter	: < 0.4%
Frequency response	: 100Hz - 6.3KHz