



ENGLISH

OWNER'S MANUAL

Mini Hi-Fi System

Please read this manual carefully before operating your set and retain it for future reference.

MODEL

MCT435 (MCT435, MCS435F, MCS435W)

P/NO : MFL63266242

1

Safety Information



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.



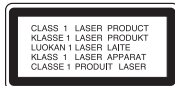
This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



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 product.

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

WARNING: Do not install this equipment in a confined space such as a book case or similar unit.



CAUTION: This product employs a Laser System. To ensure proper use of this product, please read this owner's manual carefully and retain it for future reference. Shall the unit require maintenance, contact an authorized service center.

Use of controls, adjustments or the performance of procedures other than those specified herein may result in hazardous radiation exposure.

To prevent direct exposure to laser beam, do not try to open the enclosure. Visible laser radiation when open. DO NOT STARE INTO BEAM.

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

CAUTION concerning the Power Cord

Most appliances recommend they be placed upon a dedicated circuit;

That is, a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits. Check the specification page of this owner's manual to be certain. Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the cord of your appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, and have the cord replaced with an exact replacement part by an authorized service center. Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the appliance. To disconnect power from the mains, pull out the mains cord plug. When installing the product, ensure that the plug is easily accessible.

CAUTION: Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from over heating. The openings should be never be blocked by placing the product on a bed, sofa, rug or other similar surface. 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 instruction has been adhered to.

This device is equipped with a portable battery or accumulator.

Safe way to remove the battery or the battery from the equipment:

Remove the old battery pack, follow the steps in reverse order than the assembly. To prevent contamination of the environment and bring on possible threat to human and animal health, the old battery or the battery put in the appropriate container at designated collection points. Do not dispose of batteries or battery together with other waste. It is recommended that you use local, free reimbursement system batteries and accumulators. The battery shall not be exposed to excessive heat such as sunshine, fire or the like.

You have to set the disc format option to [Mastered] in order to make the discs compatible with the LG players when formatting rewritable discs. When setting the option to Live File System, you cannot use it on LG players.

(Mastered/ Live File System : Disc format system for Windows Vista)

1

Safety Information

1

1 Safety Information

- 2 CAUTION
- 5 Unique Features

2

2 Preparation

- 6 Accessories
- 6 Playable file Requirement
- 7 Remote Control
- 8 Front panel
- 10 Rear panel

3

3 Installation

- 11 Connecting the speakers
 - 11 Attaching the speakers to the unit
- 11 Antenna Connection
- 12 Other Equipment Connection
 - 12 USB Connection
 - 12 AUX IN Connection

4

5

6

7

4 Operation

- 13 Basic Operations
 - 13 CD/ USB Operations
 - 14 TAPE Operation
 - 14 Listening to cassette tapes
 - 14 Other Operations
 - 14 Programmed Playback
 - 15 AUTO DJ playback
 - 15 Sleep Timer Setting
 - 15 Dimmer
 - 15 Turning off the sound temporarily
 - 16 Setting the Clock
 - 16 Using your player as an alarm clock
 - 17 DEMO
 - 17 Displaying file information (ID3 TAG)
 - 17 Listening to music from your external device
 - 18 Recording to TAPE
 - 18 Synchronized Recording from CD to Tape
 - 18 Recording to USB
 - 20 Setting the surround mode
 - 20 Setting the USER EQ
 - 21 Radio Operations
 - 21 Listening to the radio
 - 21 Presetting the Radio Stations
 - 21 Deleting all the saved stations
 - 21 Improving poor FM reception

5 Maintenance

- 22 Handling the Unit
- 22 Notes on Discs

6 Troubleshooting

- 23 Troubleshooting

7 Appendix

- 24 Specifications

Unique Features

USB Direct Recording

Records music to your USB device.

AUTO DJ

Auto DJ blends the end of one song into the beginning of another for seamless playback.

1

2

3

4

5

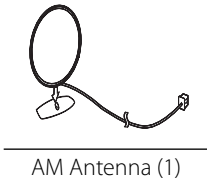
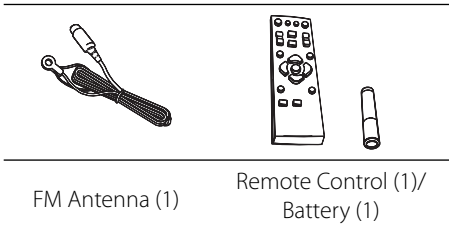
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7

2 Preparation

Accessories

Please check and identify the supplied accessories.



Playable file Requirement

MP3/ WMA music file requirement

MP3/ WMA file compatibility with this unit is limited as follows :

- Sampling frequency : within 32 to 48 kHz (MP3), within 32 to 48kHz (WMA)
- Bit rate : within 32 to 320 kbps (MP3), 40 to 320 kbps (WMA)
- maximum files : Under 999

- File extensions : “.mp3”/ “.wma”
- CD-ROM file format : ISO 9660/ JOLIET
- We recommend that you use Easy-CD Creator, which creates an ISO 9660 file system.

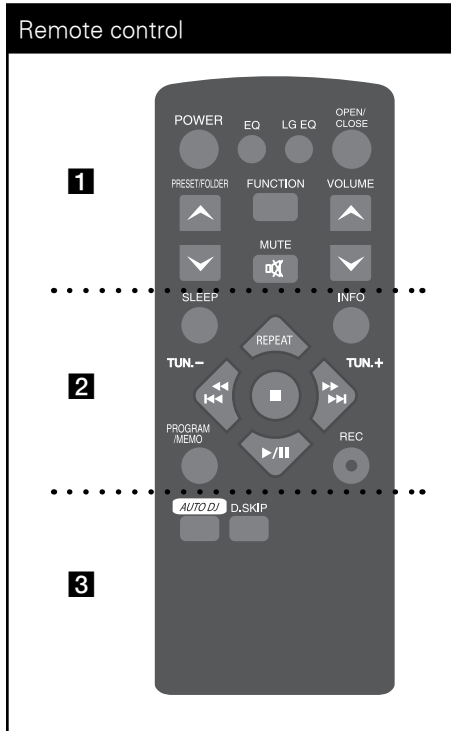
Compatible USB Devices

- MP3 Player : Flash type MP3 player.
- USB Flash Drive : Devices that support USB 2.0 or USB 1.1.
- The USB function of this unit does not support all USB devices.

USB device requirement

- Devices which require additional program installation when you have connected it to a computer, are not supported.
- Do not extract the USB device while in operation.
- For a large capacity USB, it may take longer than a few minute to be searched
- To prevent data loss, back up all data.
- If you use a USB extension cable or USB hub, the USB device is not recognized.
- Using NTFS file system is not supported. (Only FAT(16/32) file system is supported.)
- This unit is not supported when the total number of files is 1 000 or more.
- External HDD, Card readers, Locked devices, or hard type USB devices are not supported.
- USB port of the unit cannot be connected to PC. The unit can not be used as a storage device

Remote Control



..... **1**

POWER : Switches the unit ON or OFF.

EQ : You can choose sound impressions.

LGEQ : You can select a Natural or Local Specialization equalizer effect.

OPEN/CLOSE : Opens and closes the disc tray.

◆ **PRESET/FOLDER** : Searches for a folder of MP3/WMA files. When a CD/ USB containing MP3/WMA files in several folders is being played, press **PRESET/FOLDER** selects the folder you want to play. Choose a 'preset number' for a radio station.

FUNCTION : Selects the function and input source.

🔇 **(MUTE)** : Mutes the sound.

◆ **VOLUME** : Volume control.

..... **2**

SLEEP : Sets the System to turn off automatically at a specified time. (Dimmer : The display window will be darkened by half.)

INFO : Checks information about your music. MP3/WMA files often come with tags. The tag gives the Title, Artist, Album or Time information.

REPEAT : Selects a desired play mode.

TUN. (-/+) : Selects the radio station.

⏮ ⏪ / ⏩ ⏭ (SKIP/ SEARCH) :

- Searches for a section within a track.
- Skips Fast backward or Forward.

▶ / ⏸ : Starts or pauses playback.

■ : Stop.

PROGRAM/MEMO : For storing radio stations. If you have saved radio stations using **PROGRAM/MEMO**, you can scroll through them and select one.

● **(REC)** : Recording.

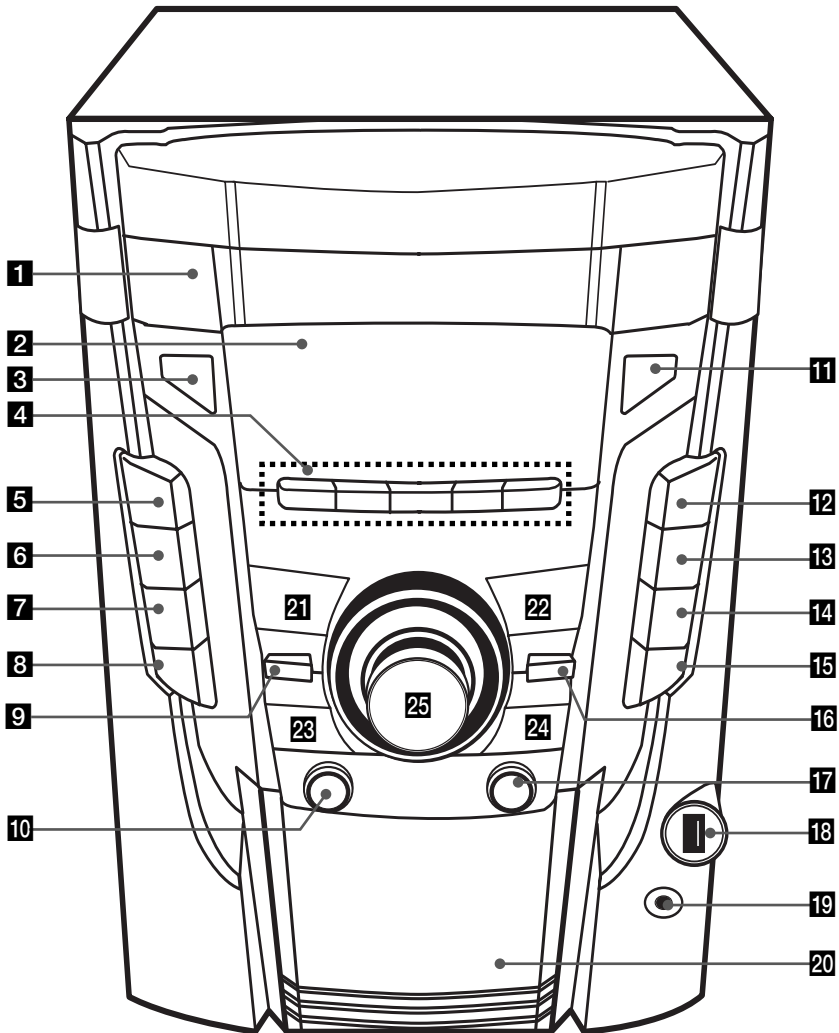
..... **3**


AUTO DJ : Selects the AUTO DJ mode. (For more information refer to the page 15.)

D.SKIP : Chooses a desired CD.

Front panel

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Preparation

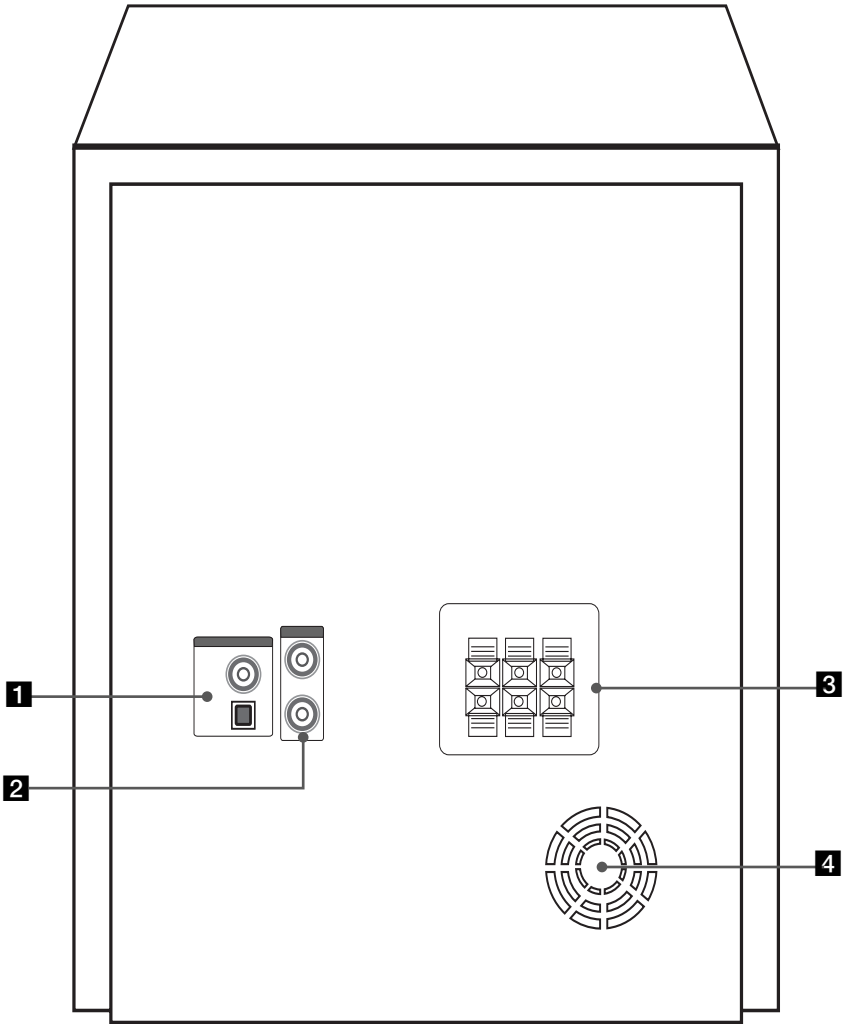


- 1 Disc tray**
- 2 Display window**
- 3**  (Power ON/ OFF)
- 4 USB/DEMO**
Selects the USB or DEMO function.
- CD**
Selects the CD function.
- TUNER**
Selects the TUNER function.
- TAPE**
Selects the TAPE function.
- AUX**
Selects the AUX function.
- 5** **6 EQ/LG EQ**
You can choose sound impressions.
- 7 USER EQ**
You can adjust sound level to your preference.
- 8 BASS BLAST/**
Reinforces the treble, bass and surround effect.
- MP3 OPT.**
This function is optimized for compressible MP3 file. It improves the treble sound.
- 9 SET/ CD II**
Pauses or confirms the setting.
- 10 AUTO DJ**
Selects the AUTO DJ mode.
- 11 OPEN/CLOSE**
- 12 CD SYNC**
From CD to TAPE Synchronized Recording
Starts playback.
- 13 CLOCK**
Sets clock and checks the time.
- 14 TIMER**
Use your player as an alarm clock.
- 15 DISC SKIP**
Chooses a desired CD.
- 16 STOP**
- 17 R (Record)**
Recording.
- 18 USB port**
You can play sound files by connecting the USB device.
- 19 Headphone jack**
A warning that excessive sound pressure from earphones and headphones can cause hearing loss.
- 20 Cassette**
- 21 PRESET -/ <**
- TAPE reverse play
- Selects preset numbers
- 22 PRESET +/ >**
- CD play, TAPE forward play
- Selects preset numbers
- 23** **24 |<< (-)TUNING(+) >>|**
- Searches backward or forward
- Skips to the previous/ next track
- Selects the radio station
- 25** Volume knob
Volume control.

Rear panel

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Preparation



- 1** ANTENNA (FM, AM)
- 2** AUX IN connector
- 3** SPEAKER connector
- 4** Cooling fan

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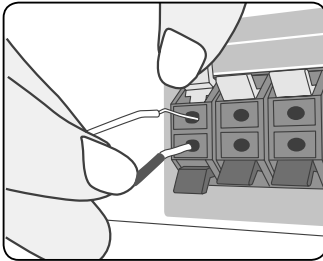
Installation

Connecting the speakers

Attaching the speakers to the unit

To connect the cable to the unit, press each plastic finger pad to open the connection terminals on the unit. Insert the wire and release the finger pad.

Connect the black end of each wire to the terminals marked - (minus) and the other end to the terminals marked + (plus).

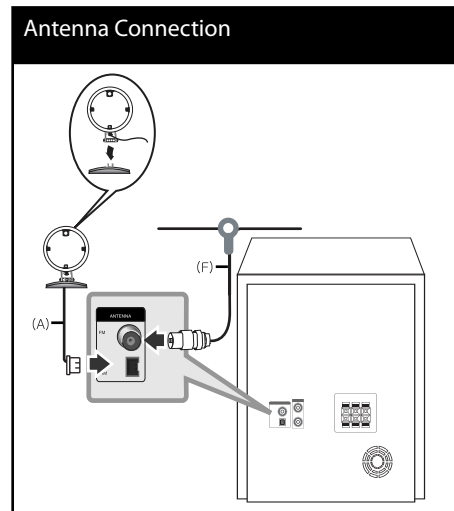


CAUTION

- Be careful to make sure children do not put their hands or any objects into the *speaker duct.
*Speaker duct : A hole for plentiful bass sound on speaker cabinet (enclosure).
- The speakers contain magnet parts, so color irregularity may occur on the TV screen or PC monitor screen. Please use the speakers far away from either TV screen or PC monitor.

Antenna Connection

Connect the supplied FM (F) /AM (A) antenna for listening to the radio.



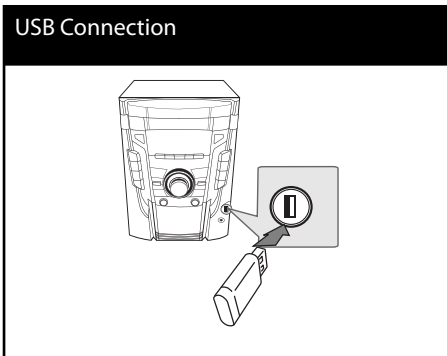
NOTE

- To prevent noise pickup, keep the AM Loop antenna away from the unit and other components.
- Be sure to fully extend the FM wire antenna. After connecting the FM wire antenna, keep it as horizontal as possible.

Other Equipment Connection

USB Connection

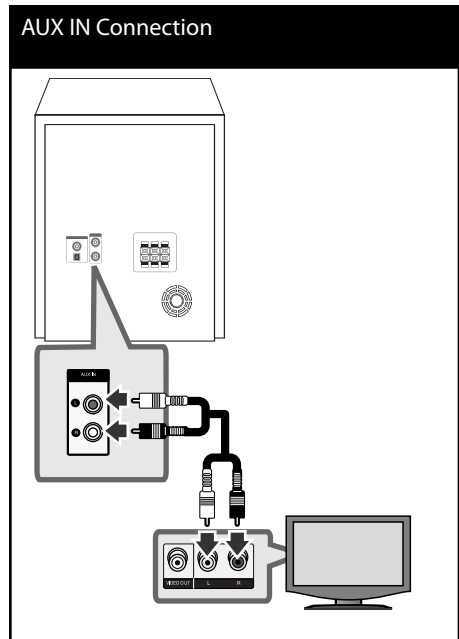
Connect the USB port of USB Memory (or MP3 player, etc.) to the USB port on the front of the unit.



- For a large capacity USB, it may take longer than a few minute to be searched.
- To prevent data loss, back up all data.
- If you use a USB extension cable or USB hub, the USB device is not recognized.
- Using NTFS file system is not supported. (Only FAT(16/ 32) file system is supported.)
- This unit is not supported when the total number of files is 1 000 or more.
- External HDD, Card readers, Locked devices, or hard type usb devices are not supported.
- USB port of the unit cannot be connected to PC. The unit can not be used as a storage device.

AUX IN Connection

Connect a Output of auxiliary device to the AUX AUDIO Input (L/R) Connector. If your TV has only one output for audio (mono), connect it to the left (white) audio jack on the unit.



Removing the USB Device from the unit

1. Choose a different function mode or press **STOP** (■) twice in a row.
2. Remove the USB device from the unit.

Compatible USB Devices

- MP3 Player : Flash type MP3 player.
- USB Flash Drive : Devices that support USB 2.0 or USB 1.1.
- The USB function of this unit does not support some USB devices.

USB device requirement

- Devices which require additional program installation connected to a computer, are not supported.
- Do not extract the USB device while in operation.

4 Operation

Basic Operations

CD/ USB Operations

1. Insert the disc by using the **OPEN/CLOSE** or connect the USB device to the USB port.
2. Select the **CD** or **USB** function by pressing **FUNCTION** on the remote control or **CD, USB** button on the unit.
3. Select the disc by pressing **DISC SKIP** on the unit or **D.SKIP** on the remote control.

To	Do this
Stop	Press ■ on the remote control or STOP on the unit.
Playback	Press ▶/ on the remote control or PRESET+ > on the unit.
Pause	Press ▶/ on the remote control or SET/ CD on the unit.

To	Do this
Skipping to the next/ previous track/ file	During playback, press ⏮ ⏪ or ⏩ ⏭ on the remote control or << or >> on the unit to go to the next track/ file or to return to the beginning of the current track/ file. Press ⏮ ⏪ on the remote control or << on the unit twice briefly to step back to the previous track/ file.
Searching for a section within a track	Press and hold ⏮ ⏪ or ⏩ ⏭ during playback and release it at the point you want to listen to.
Playing repeatedly or randomly	Press REPEAT on the remote control repeatedly, the display changes in the following order, RPT 1 -> RPT DIR (Only MP3/WMA) -> RPT DISC -> RPT ALL -> RANDOM -> OFF.



TAPE Operation

Listening to cassette tapes

Cassette tapes can be played back in this unit.

1. Open the tape door by pressing **▲ PUSH EJECT**.
2. Insert the tape.
3. Close the tape door.
4. Select the TAPE function by pressing **TAPE** on the unit or **FUNCTION** on the remote control.

To	Do this
Stop	Press ■ on the remote control or STOP on the unit.
Playback	Press ▶/ on the remote control or < PRESET - / PRESET+ > on the unit.
Change direction	Press ▶/ repeatedly on the remote control or < PRESET - / PRESET + > on the unit.
Searching for a section within a track	After pressing ◀◀ ◀◀ / ▶▶ ▶▶ during playback, press ▶/ at a point you want.
Play mode	You can set the tape to play one side ↔ , both sides one time ↔↔ , or both sides repeatedly ↔↔ , by pressing REPEAT one or more times.

Other Operations

Programmed Playback

The program function enables you to store your favourite files from any disc or USB device.

A program can contain 20 tracks.

1. Insert a CD or USB and wait for it to be order.
2. Press **PROGRAM/MEMO** on the remote control in stop status.
3. Press **◀◀ ◀◀** or **▶▶ ▶▶** on the remote control or **|<< / >>|** on the unit to select a track.
4. Press **PROGRAM/MEMO** again to save and select a next track.
5. Press **▶/||** to play the programmed music files.
6. To clear your selection, press **■** twice.



NOTE

The programs are also cleared when the disc or USB device is removed, the unit is switched to power off or the function is switched to others.

4 Operation

AUTO DJ playback

Auto DJ blends the end of one song into the beginning of another for seamless playback. It equalizes volume across tracks for uninterrupted playback.

Press **AUTO DJ** on the remote control or unit repeatedly, the display changes as followings. order, (AUTO DJ RANDOM) -> (AUTO DJ SEQUENTIAL) -> (AUTO DJ OFF).

Mode	Display Window	Description
OFF	- (AUTO DJ OFF)	-
RANDOM	- (AUTO DJ RANDOM)	The music is played randomly on this mode.
REPEAT	- (AUTO DJ SEQUENTIAL)	The music is played repeatedly on this mode.



NOTE

- Searching for a section within a track or playing repeatedly or randomly is not supported on the AUTO DJ mode.
- If you switch to other functions or stop the music using **STOP** on the unit (or **■** on the remote control) on AUTO DJ mode, AUTO DJ function will be disable.
- AUTO DJ function is not supported in the music file whose length is less than 60 seconds.
- All musics are repeated continuously until the user deactivates the AUTO DJ function.

Sleep Timer Setting

Press **SLEEP** one or more times to select delay time between 10 and 180 minutes, after the unit turn off.

To cancel the sleep function, press **SLEEP** repeatedly until "SLEEP 10" appears, and then press **SLEEP** once again while "SLEEP 10" is displayed.



NOTE

You can check the remaining time before the unit turns off. Press **SLEEP**. The remaining time appears in the display window.

Dimmer

Press **SLEEP** once. The display window will be darken. To cancel it, press **SLEEP** repeatedly until dim off.

Turning off the sound temporarily

Press **MUTE** to mute your unit.

You can mute your unit in order, for example, to answer the telephone, the mute icon (🔇) is blinked in the display window.

Setting the Clock

1. Turn the power on.
2. Press **CLOCK** for at least 2 seconds.
3. Choose from either, by using **|<< or >>|**.
- AM 12:00 (for an AM and PM display) or
0:00 (for a 24 hour display)
4. Press **SET/ CD III** for confirm your selection.
5. Select the hours. by using **|<< or >>|**.
6. Press **SET/ CD III**.
7. Select the minutes, by using **|<< or >>|**.
8. Press **SET/ CD III**.

Using your player as an alarm clock

1. Turn the power on.
2. Press **TIMER**. Each functions flashes.
3. Press **SET** when the function you want to be woken by is showing.
4. "ON TIME" will be displayed. This is where you set the time you want the alarm to start. Use the **|<< or >>|** to change the hours and minutes and **SET** to save.
5. The "OFF TIME" will be displayed. This is where you set the time you want the function to stop.
6. Use the **|<< or >>|** to change the hours and minutes and press **SET** to save.
7. You will be shown the volume (VOL) you want to be woken by. Use the **|<< or >>|** to change the volume and **SET** to save. The clock icon "🕒" shows that the alarm is set.
8. Press **TIMER** button 2times. You can check the setting status.



NOTE

- If you set the clock time, you can check the time by pressing **CLOCK** even when the player is turned off.
- If you set the clock time and alarm, you can check the alarm icon "🕒" by pressing **CLOCK** even when the player is turned off.
- If you set the clock time and alarm, you can check the alarm icon "🕒" and setting information by pressing **TIMER** even when the unit is turned off.

DEMO


In power off state to demonstrate the function on display window.

Displaying file information (ID3 TAG)

While playing an MP3 file containing file information, you can display the information by pressing **INFO**.

Listening to music from your external device

The unit can be used to play the music from many types of external device.
(Refer to the 12 page)

1. Connect the external device to the AUX IN connector of the unit.
2. Turn the power on by pressing  (Power).
3. Select the AUX function by pressing **FUNCTION**.
4. Turn the external device on and start it playing.

Recording to TAPE

You can record a various sound source to TAPE.

1. Open the tape deck and then insert a blank tape.
2. Select a function in which you want to record.
3. Playback a sound source first by using **PRESET + >** on the unit or **▶/||** on the remote control.
4. Press **R** on the unit or **● REC** on the remote control.
 - The display changed in the following order, "USB REC" <-> "TAPE REC"
5. Press the **R** on the unit or **● REC** on the remote control button once more when "TAPE REC" is displayed.
 - Recording starts.
6. To stop recording, press **STOP** on the unit or **■** on the remote control.

Synchronized Recording from CD to Tape

1. Open the tape deck and then insert a blank tape.
2. Close the door and insert a CD.
 - Audio CD only
3. To select CD function, press **CD** on the unit or **FUNCTION** on the remote control.
4. Press **CD SYNC** on a stop status to move to CD synchronizing mode.
 - The synchronized recording is started automatically after about 7 seconds.
5. To stop, press **STOP** on the unit or **■** on the remote control.

Recording to USB

You can record a various sound source to USB.

1. Connect the USB device to the unit.
2. Select a function in which you want to record playback a sound source first.
 - One track recording - You can record to USB after playing the file you want.
 - All tracks recording - You can record to USB after stopping.
 - Program list recording - After moving to the programmed list and you can record it to USB.
3. Press **R** on the unit or **● REC** on the remote control.
 - The display changed in the following order, "USB REC" <-> "TAPE REC"
4. Press the **R** on the unit or **● REC** on the remote control button once more when "USB REC" is displayed.
 - Recording starts.
5. To stop recording, press **STOP** on the unit or **■** on the remote control.

Pausing recording

During recording, press **● REC (R)** to pause recording.

Press **● REC (R)** to continue recording.
(Only Radio/ AUX/ TAPE)

To select recording bit rate and speed

1. Press **R** on the unit or **● REC** on the remote control for longer than 3 seconds.
2. Use **|<< or >>|** on the unit or **⏪ ⏩** or **▶▶ ▶▶▶** remote control to select the bit rate.
3. Press **R** on the unit or **● REC** on the remote control again to select the recording speed.
4. Use **|<< or >>|** on the unit or **⏪ ⏩** or **▶▶ ▶▶▶** remote control to select a desired recording speed.

X1 SPEED

- You can listen to music while recording it.

X2 SPEED

- You can just record the music file.

5. Press **R** on the unit or **● REC** on the remote control to finish the setting.

The making of unauthorized copies of copy-protected material, including computer programs, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offense. This equipment should not be used for such purposes.

**Be responsible
Respect copyrights**

NOTE

- You can check the recording percentage rate for the USB record on the display window during the recording. (MP3/WMA CD Only)
- During recording MP3/WMA, there is no sound.
- When you stop recording during playback, the file that has been recorded at that time will be stored. (AUDIO CD Only)
- Do not remove the USB device or turn off the unit during USB recording. If not, an incomplete file may be made and not deleted on PC.
- If USB recording does not work, the message like "NO USB", "ERROR", "FULL" or "NO REC" is displayed on the display window.
- For the discs recorded in the format of DTS disc, USB recording is not supported.
- Multi card reader device or External HDD can not be used for USB recording.
- A file is recorded by about 512 Mbyte when you record for a long term.
- When you stop recording during playback, the file will not be stored. (MP3/WMA)
- In the state CD-G, DTS disc USB record is not operated.
- You may not store more than 999 files.
- The file number is saved automatically.
- It'll be stored as follows.**

AUDIO CD	MP3/WMA	The other source
<ul style="list-style-type: none"> ■ CD_REC <li style="padding-left: 15px;"> TRK_001 <li style="padding-left: 15px;"> TRK_002 <li style="padding-left: 15px;"> : <li style="padding-left: 15px;"> : 	<ul style="list-style-type: none"> ■ FILE_REC <li style="padding-left: 15px;"> ABC(File name) <li style="padding-left: 15px;"> DEF(File name) <li style="padding-left: 15px;"> : <li style="padding-left: 15px;"> : 	<ul style="list-style-type: none"> ■ EXT_REC <li style="padding-left: 15px;"> AUDIO_001 <li style="padding-left: 15px;"> AUDIO_002 <li style="padding-left: 15px;"> : <li style="padding-left: 15px;"> :

Setting the surround mode

This system has a number of pre-set surround sound fields. You can select a desired sound mode by using **EQ/ LG EQ**.

The displayed items for the Equalizer may be different depending on sound sources and effects.

On Display	Description
NATURAL	You can enjoy comfortable and natural sound.
Local Specialization equalizer	Regionally optimized sound effect. (DANGDUT/ ARABIC/ PERSIAN/ INDIA/ REGUETON/ MERENGUE/ SALSA/ SAMBA/ CUMBIA)
AUTO EQ	Realizes the sound equalizer that is the most similar to the genre of which is included in the MP3 ID3 tag of song files.
POP CLASSIC JAZZ ROCK	This program lends an enthusiastic atmosphere to the sound, giving you the feeling you are at an actual rock pop, jazz or classic concert.
MP3 - OPT	This function is optimized for compressible MP3 file. It improves the treble sound.
BASS BLAST	Reinforce the treble, bass and surround sound effect.
VIRTUAL	You can enjoy more virtual surround sound.
BYPASS	You can enjoy the sound with out equalizer effect.



NOTE

- In some of surround modes, some speakers maybe no sound or low sound, it depends on the mode of surround and the source of audio, it is not defective.
- You may need resetting the surround mode, after switch the input, sometimes even after the sound track changed.
- By pressing BASS, MP3 Opt. button on the unit is directly selected the MP3 - OPT or BASS BLAST sound.

Setting the USER EQ

You can listen to music with the desired sound effect by adjusting the BASS, MIDDLE and TREBLE.

1. Press **USER EQ**.
"USER EQ" is displayed.
2. Press **SET/ CD III** to enter the **USER EQ**.
3. Select the BASS, MIDDLE or TREBLE sound effect you want by using **< PRESET - / PRESET + >**.
4. Press **|<< TUNING - / TUNING + >>|** to select the sound level you want.
5. To finish the setting, press **SET/ CD III**.

Radio Operations

Be sure that both FM and AM aerials are connected. (Refer to the page 11)

Listening to the radio

1. Press **TUNER** until FM or AM (MW) appears in the display window.
The last received station is tuned in.
2. Press and hold **TUNING (-/+)** for about two seconds until the frequency indication starts to change, then release. Scanning stops when the unit tunes in a station.

OR

Press **TUNING (-/+)** repeatedly.

3. Adjust the volume by rotating **VOLUME** on the unit or by pressing **VOLUME (▲/▼)** on the remote control repeatedly.

Presetting the Radio Stations

You can preset 50 stations for FM and AM (MW).

Before tuning, make sure that you have turned down the volume.

1. Press **TUNER** until FM or AM (MW) appears in the display window.
2. Select the desired frequency by **TUNING (-/+)** on the unit or pressing **TUN. (-/+)** on the remote control.
3. Press **PROGRAM/MEMO**, preset number will flash in the display window.
4. Press **PRESET/FOLDER (▲/▼)** to select the preset number you want.
5. Press **PROGRAM/MEMO**.
The station is stored.
6. Repeat steps 2 to 5 to store other stations.

Deleting all the saved stations

1. Press and hold **PROGRAM/MEMO** for two seconds.
“ERASE ALL” will flash up on the unit display.
2. Press **PROGRAM/MEMO** to erase all saved radio stations.

Improving poor FM reception

Press **▶/■** on the remote control. This will change the tuner from stereo to mono and usually improve the reception.

5 Maintenance

Handling the Unit

When shipping the unit

Please save the original shipping carton and packing materials. If you need to ship the unit, for maximum protection, re-pack the unit as it was originally packed at the factory.

Keeping the exterior surfaces clean

- Do not use volatile liquids such as insecticide spray near the unit.
- Wiping with strong pressure may damage the surface.
- Do not leave rubber or plastic products in contact with the unit for a long period of time.

Cleaning the unit

To clean the player, use a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth lightly moistened with a mild detergent solution.

Do not use strong solvents such as alcohol, benzene, or thinner, as these might damage the surface of the unit.

Maintaining the Unit

The unit is a high-tech, precision device. If the optical pick-up lens and disc drive parts are dirty or worn, the picture quality could be diminished. For details, please contact your nearest authorized service centre.

Notes on Discs

Handling Discs

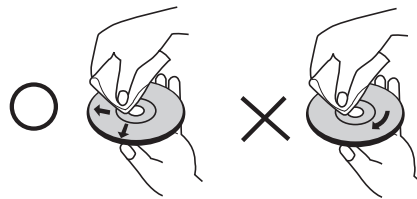


Never stick paper or tape on the disc.

Storing Discs

After playing, store the disc in its case. Do not expose the disc to direct sunlight or sources of heat and never leave it in a parked car exposed to direct sunlight.

Cleaning Discs



Do not use strong solvents such as alcohol, benzene, thinner, commercially available cleaners, or anti-static spray intended for older vinyl records.

6 Troubleshooting

Troubleshooting

	PROBLEM	CAUSE	CORRECTION
General	No Power.	The power cord is not plugged in.	Plug in the power cord.
		Check whether electricity failed.	Check the condition by operating other electronic devices.
	No sound	Check whether you select right function.	Press FUNCTION and check the selected function.
		The audio cables are damaged.	Replace with a new audio cable.
CD	The unit does not start playback.	An unplayable disc is inserted.	Insert a playable disc.
		No disc is inserted.	Insert a disc.
		The disc is dirty.	Clean the disc. (Refer to the 22 page)
		The disc is inserted upside down.	Place the disc with the label or printed side facing upwards.
RADIO	Radio stations cannot be tuned in properly.	The antenna is positioned or connected poorly.	Connect the antenna securely.
		The signal strength of the radio station is too weak.	Tune to the station manually.
		No stations have been preset or preset stations have been cleared (when tuning by scanning preset channels).	Preset some radio stations, see page 21 for details.
Remote control	The remote control does not work properly.	The remote control is too far from the unit.	Operate the remote control within about 23 ft (7 m).
		There is an obstacle in the path of the remote control and the unit.	Remove the obstacle.
		The battery in the remote control are exhausted.	Replace the battery with new one.
TAPE	Unable to record.	Record protect tabs are removed.	Cover holes on back edge of tape with tap.



7

Appendix

Specifications

General

Power supply	Refer to main label. (Mexico only : 120 V ~ 60 Hz)
Power consumption	65 W
Net Weight	5.3 kg
External dimensions (W x H x D)	(272 x 336 x 352) mm
Operating conditions Temperature	5 °C to 35 °C, Operation status: Horizontal
Operating humidity	5 % to 85 %
Laser	Semiconductor laser, wavelength 760 to 800 nm

Tuner FM/AM [MW]

FM Tuning Range	87.5 to 108.0 MHz or 87.50 to 108.00 MHz
FM Intermediate Frequency	128 kHz
AM Tuning Range	522 to 1 620 kHz, 520 to 1 710 kHz or 522 to 1 710 kHz
AM Intermediate Frequency	45 kHz

Amplifier

Output Power	Front : 140 W x 2 SUB Woofer : 150 W
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USB

Bus Power Supply (USB)	5 V $\overline{\text{---}}$ 500 mA
USB Version	USB 2.0 or USB 1.1

CD

Frequency Response	40 to 20 000 Hz
Signal-to-noise ratio	75 dB
Dynamic range	80 dB

Specifications

TAPE

F.F/REW Time	120 sec (C-60)
Frequency Response	250 to 8 000 Hz
Signal to Noise Ratio	40 dB
Channel Separation	45 dB (P/B)/ 40 dB (R/P)
Erase Ratio	50 dB (MTT-5511)

Speakers

	FRONT	SUBWOOFER
Speaker name	MCS435F	MCS435W
Type	2 Way 2 Speaker	1 Way 1 Speaker
Impedance	4 Ω	3 Ω
Rated Input Power	140 W	150 W
Max. Input Power	280 W	300 W
Net Dimensions (W x H x D)	(272 x 336 x 308.6) mm	(222.8 x 342.3 x 250.1) mm
Net Weight (1EA)	2.95 kg	5.4 kg

Designs and specifications are subject to change without prior notice.



Atención al Cliente

País	Teléfono	País	Teléfono
México	01-800-347-1919	Costa Rica	1-800-507-5454
Colombia	01-8000-910683	Rep. Dominicana	00-800-751-5454
Chile	800-26-1064	Guatemala	1-801-422-5454
Ecuador	1-800-545454	El Salvador	01-800-4309
Venezuela	800-542477	Cuba	204-3333
Panamá	800-5454	Miami, USA	1-305-477-1882
Perú	0-800-1-2424	Bolivia, La Paz	800-100-545
Puerto Rico	001-800-510-5554	Nicaragua	001-800-507-4007
Argentina	0800-888-5454 (Capital y GBA) / 0810-555-5454 (Interior del país)		

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