



ENGLISH

ESPAÑOL

OWNER'S MANUAL

Mini Hi-Fi System

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

MODEL

MCV905 (MCV905, MCS905-F/S/W)

MCT705 (MCT705, MCS705-F/W)

MCD605 (MCD605, MCS605F)

P/NO : MFL63284605

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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.

Unique Features

Portable In

Listens to music from your portable device. (MP3, Notebook, etc)

USB Direct Recording

Records music to your USB device.

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2 Preparation

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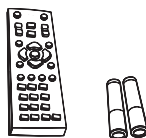
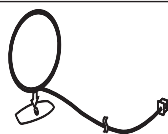
Preparation

Accessories

Please check and identify the supplied accessories.



FM Antenna (1)

Remote Control (1)/
Battery(2)

AM Antenna (1)

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 320kbps (MP3), 40 to 192kbps (WMA)

- maximum files : Under 999
- File extensions : “.mp3”/ “.wma”
- CD-ROM file format : ISO9660/ JOLIET
- We recommend that you use Easy-CD Creator, which creates an ISO 9660 file system.

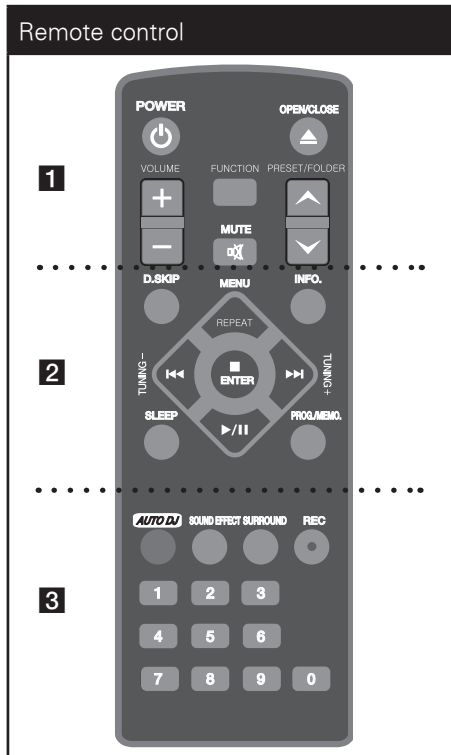
Compatible USB Devices

- MP3 Player : Flash type MP3 player.
- USB Flash Drive : Devices that support USB2.0 or USB1.1.
- 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 1000 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.

OPEN/CLOSE : Opens and closes the disc tray.

VOLUME +/- : Adjusts speaker volume.

FUNCTION : Selects the function and input source.

MUTE : Mutes the sound.

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.

..... **2**

D.SKIP : Chooses a desired CD.

INFO. : See 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.

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

◀◀ / ▶▶ (SKIP/ SRARCH)

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

▶ / || : Starts or pause playback.

■, ENTER : Stops or Choose a item.

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

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

..... **3**

AUTO DJ : Selects the AUTO DJ mode. (For more information refer to the page 16)

SOUND EFFECT : Chooses sound impressions.

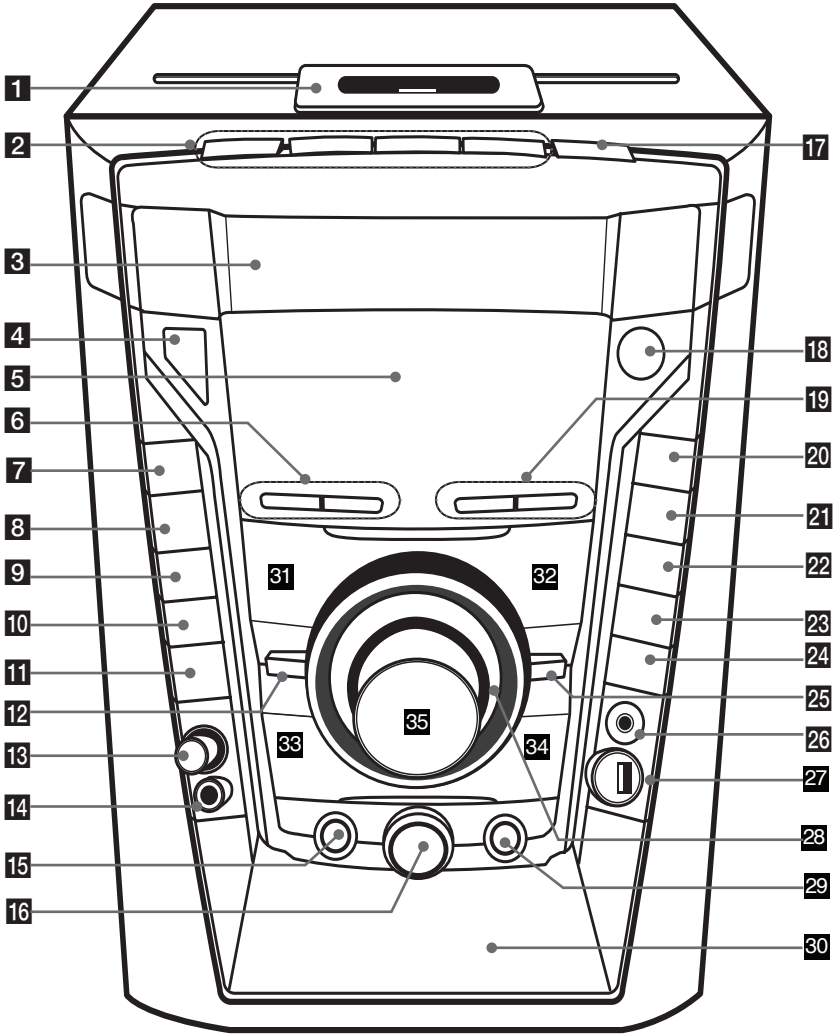
SURROUND : Selecting the sound system. You can enjoy different sounds by selecting the sound mode you want. Press **SURROUND** repeatedly, the display changes in the following order. BYPASS -> SURROUND 1-> SURROUND 2 -> BYPASS . . .




● (REC) : USB Direct Recording.

0 to 9 numerical buttons : Selects numbered tracks, files, or preset number.

Front panel

2
Preparation

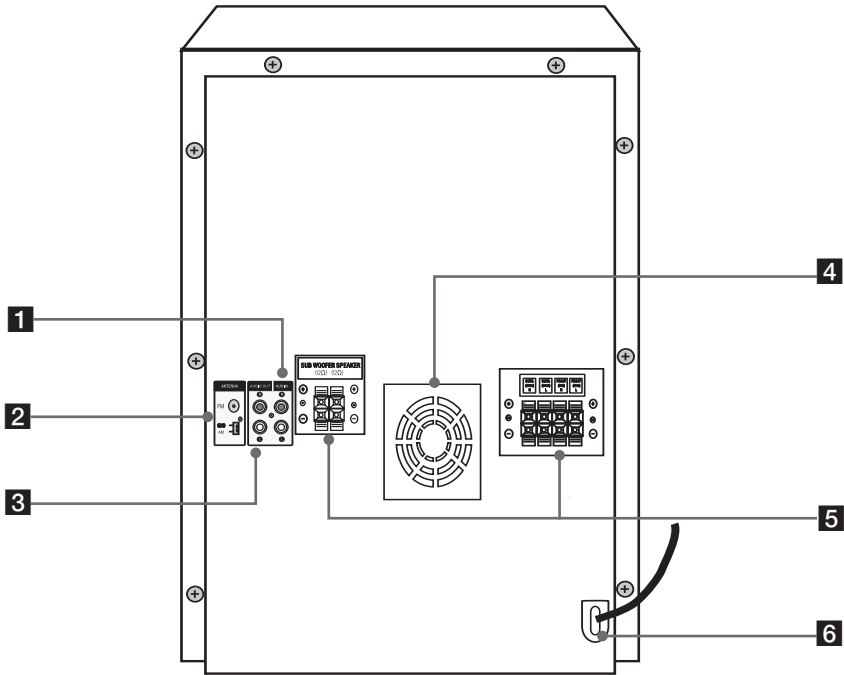


- 1 iPod dock**
- 2 DISC SKIP**
Chooses a desired CD
DISC 1/ DISC 2/ DISC 3
You can directly selected desired CD.
- 3 Disc tray**
- 4  (Power)**
- 5 Display window**
- 6 CLOCK**
For setting the clock and checking the time.
TIMER
With the TIMER function you can turn CD, USB play and TUNER reception on or off at a desired time.
- 7 CD**
Selects the CD function
- 8 USB**
Selects the USB function.
- 9 TUNER**
Selects the TUNER function.
- 10 TAPE**
Selects the TAPE function.
- 11 AUX/iPod**
Selects the AUX or iPod function.
- 12 PLAY MODE**
Scroll through a selection of cassette playing options.
- 13 MIC VOL.**
- 14 MIC jack.**
- 15 USER EQ**
Controls sound register.
- 16 AUTO DJ**
Selects the AUTO DJ mode. (For more information refer to the page 16)
- 17 OPEN/CLOSE**
- 18 Remote control sensor**
- 19 CD PAUSE/SET**
Pause or Confirms the setting.
CD SYNC.
From CD to TAPE Synchronized Recording Stars playback.
- 20 BASS BLAST**
Reinforce the treble, bass and surround effect.
MP3 Opt.
Optimizes compressive MP3 files so that it improves the treble sound.
- 21 EQ**
You can choose sound impressions.
- 22 VOCAL FADER**
When you listen to music, it reduce the vocal of file.
- 23 /PAUSE**
Recording to USB or TAPE
You can pause during recording to TAPE.
- 24 PORT. IN**
Selects the PORT. IN function.
- 25 STOP**
- 26 PORT. IN jack**
- 27 USB port**
You can play sound files by connecting the USB device.
- 28 MULTI JOG DIAL**
Move to the another file/ track or you can select the tuning range.
- 29 DEMO/SUB WOOFER(Only MCV905/ MCT705)**
- 30 Cassette door**
- 31 PRESET -/ < (TAPE revers play)**
- 32 PRESET + / > (CD play, TAPE foward play)**
- 33  < / TUNING - (CD Prev./Scan, TAPE REW.)**
- 34 > / TUNING + (CD Next/Scan, TAPE FF)**
- 35 MASTER VOLUME**
Controls the volume when using any

function.

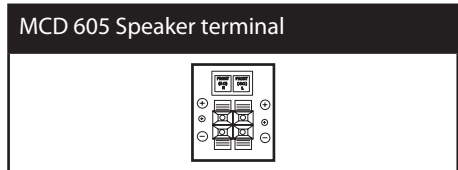
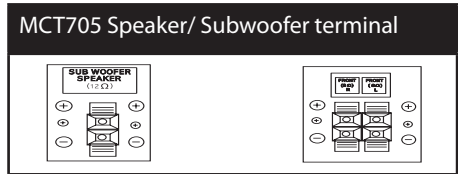
Rear panel

2
Preparation



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

- 5** SUB WOOFER SPEAKER/ Speaker terminal



- 6** Power cord.

3 Installation

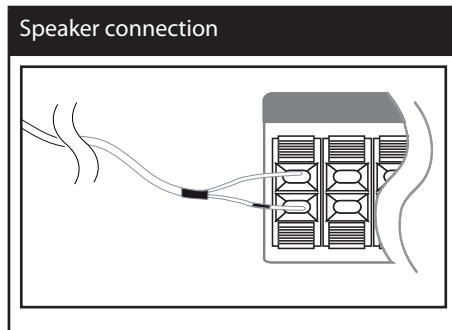
Connecting the speakers

Attaching the speakers to the unit

Connect the wires hooked up to the speaker 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

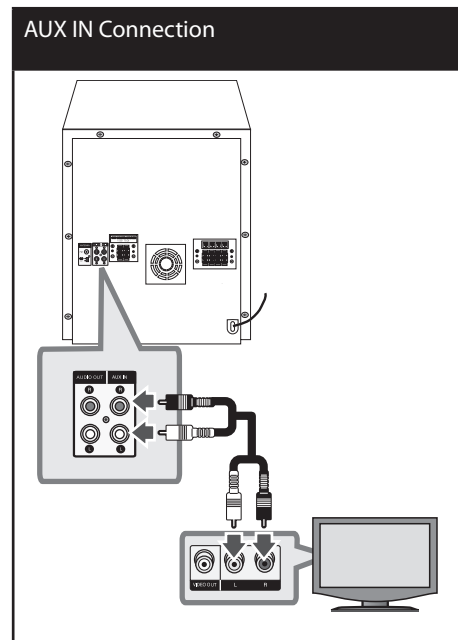
Be careful to make sure children do not put their hands or any objects into the *speaker duct.
*Speaker duct : A hole for plentiful bass sound on speaker cabinet (enclosure).

Optional Equipment Connection

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.

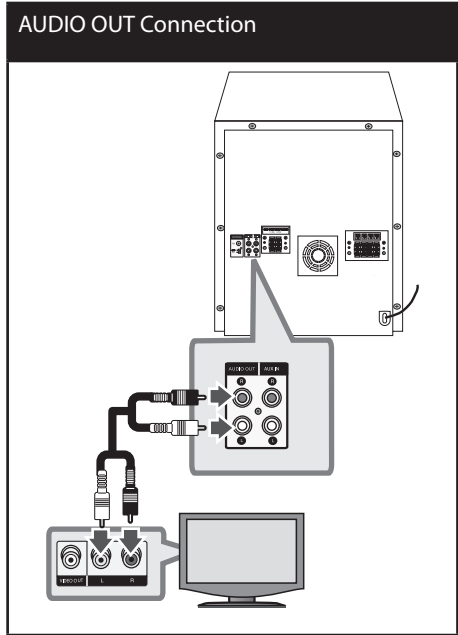


AUDIO OUT Connection

If you want the better sound effect, than this unit supports.

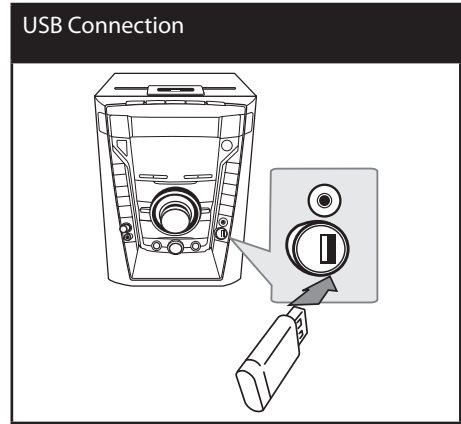
You can connect another device supporting the better sound effect.

Connect the left and right AUDIO OUT jacks of the unit to the audio left and right IN jacks on the TV using the audio cables.



USB Connection

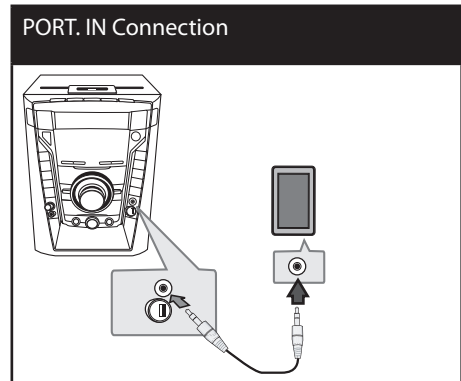
Connect the USB port of USB Memory (or MP3 player, etc.) to the USB port on the front of the unit.



- 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.

PORT. IN Connection

Connect a output (earphone or line out) of portable device (MP3 or PMP etc) to the AUDIO input connector.



3

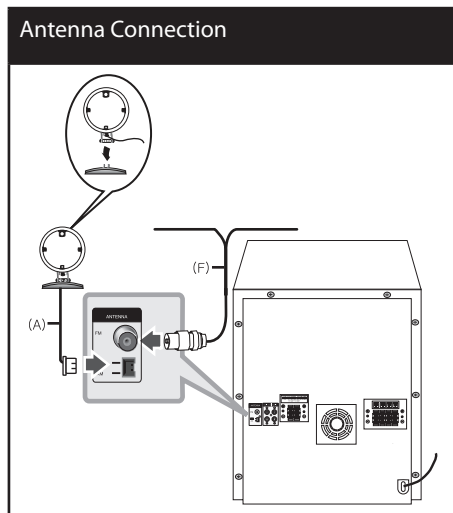
Installation

Antenna Connection

Connect the supplied FM/AM antenna for listening to the radio.

Connect the AM Loop antenna to the AM antenna connector. (A)

Connect the FM wire antenna to the FM antenna connector. (F)



! 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.

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, DISC1, DISC 2, DISC 3** on the unit or **D.SKIP** on the remote control.

To	Do this
Stop	Press ■ ENTER 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 CD PAUSE/ SET on the unit.

To	Do this
Skipping to the next/ previous track/ file	During playback, press or rotate; (1) to go to the next track/ file or to return to the beginning of current track/file: - On the remote control: ▶▶ - On the unit: MULTI JOG DIAL or >> (2) to go back to the previous track/file: - On the remote control: ◀◀ - On the unit: MULTI JOG DIAL or ◀◀
Searching for a section within a track	Press ◀◀ or ▶▶ on the remote control or ◀◀/▶▶ on the unit 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 change in the following order, RPT 1 -> RPT DISC -> RPT DIR (Only MP3/WMA) -> RPT ALL -> RANDOM -> OFF.
Selecting files or tracks directly	Press 0 to 9 numerical buttons on the remote control to go to the disired file or track directly.

4

Operation

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 by pressing **PUSH EJECT**.
4. Select the TAPE function by pressing **TAPE** on the unit or **FUNCTION** on the remote control.

To	Do this
Stop	Press ■ , ENTER 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	Press ◀◀ or ▶▶ on the remote control or ◀◀/▶▶ on the unit during playback and release it at the point you want to listen to.
Play mode	You can set the tape to play one side ⇄ , both sides one time ↔ , or both sides repeatedly ↔ , by pressing REPEAT on the remote control or PLAY MODE on the unit one or more times.

Other Operations

Programmed Playback

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

A program can contain 20 tracks.


1. Insert a CD or USB and wait for it to be order.
2. Press **PROG./MEMO.** on the remote control in stop status.
3. Press or rotate to select a track;
 - On the remote control: **◀◀** or **▶▶**
 - On the unit: **MULTI JOG DIAL** or **◀◀/▶▶**
4. Press **PROG./MEMO.** again to save and select a next track.
5. Press **▶/||** to play the programmed music files.
6. To clear your selection, press **■**, **PROG./MEMO.** and then **■**.

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.

Turn 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.

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, RANDOM (AUTO DJ RANDOM) -> RPT (AUTO DJ SEQUENTIAL) -> (AUTO DJ OFF).

Mode	Display Window	Description
OFF	- (AUTO DJ OFF)	-
RANDOM	RANDOM (AUTO DJ RANDOM)	The music is played randomly on this mode.
REPEAT	RPT (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.
- If you switch to other functions or stop the music using **STOP** on the unit (or **■ ENTER** 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 continually 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 will 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 darkened by half. To cancel it, press **SLEEP** repeatedly until dim off.

Radio Operations

Be sure that both FM and AM aerials are connected. (Refer to the page 13)

Listening to the radio

1. Press **FUNCTION** 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 **MASTER 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 **FUNCTION** until FM or AM (MW) appears in the display window.
2. Press or rotate to select a desired frequency;
 - On the remote control: **TUNING (-/+)**
 - On the unit: **MULTI JOG DIAL** or **I<</>>I**
3. Press **PROG./MEMO**. a preset number will flash in the display window.
4. Press **PRESET/FOLDER (▲/▼)** to select the preset number you want.
5. Press **PROG./MEMO**.
The station is stored.
6. Repeat steps 2 to 5 to store other stations.
7. Press to select a preset station;
 - On the remote control: **PRESET/FOLDER** or 0 to 9 numerical buttons
 - On the unit: **< PRESET - / PRESET + >**

Deleting all the saved stations

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

Improving poor FM reception

Press **PLAY (▶/■)** (ST./MO) on the unit or on the remote control. This will change the tuner from stereo to mono and usually improve the reception.

Sound adjustment

Setting the surround mode

This system has a number of pre-set surround sound fields. You can select a desired sound mode by using **SOUND EFFECT** on the remote control or **EQ** on the unit. 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/ AFRO)
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.
LOUDNESS	Improves the bass and treble sound.
VIRTUAL	You can enjoy more virtual surround sound.

On Display	Description
BYPASS	You can enjoy the sound without 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.

- Press **USER EQ**. "USER EQ" is displayed.
- Press **CD PAUSE/SET** to enter the **USER EQ**.
- Select the BASS, MIDDLE or TREBLE sound effect you want by using **< PRESET - / PRESET + >**.
- Press **I<< TUNING -/ >>I TUNING +** or rotate MULTI JOG DIAL knob to select the sound level you want.
- To finish the setting, press **CD PAUSE/SET**.

4 Operation

Setting the Clock

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

Using your player as an alarm clock

1. Turn the power on.
2. Press **TIMER**. Each functions flashes.
3. Press **CD PAUSE/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. Rotate the **MULTI JOG DIAL** knob or press **I<</>>I** to change the hours and minutes and **CD PAUSE/SET** to save.
5. The "OFF TIME" will be displayed. This is where you set the time you want the function to stop.
6. Rotate the **MULTI JOG DIAL** knob or press **I<</>>I** to change the hours and minutes and press **CD PAUSE/SET** to save.
7. Rotate the **MULTI JOG DIAL** knob or press **I<</>>I** to change the hours and minutes and press **CD PAUSE/SET** to save. The clock icon "🕒" shows that the alarm is set.
8. Press **TIMER** button 2times. You can check the setting status.



NOTE

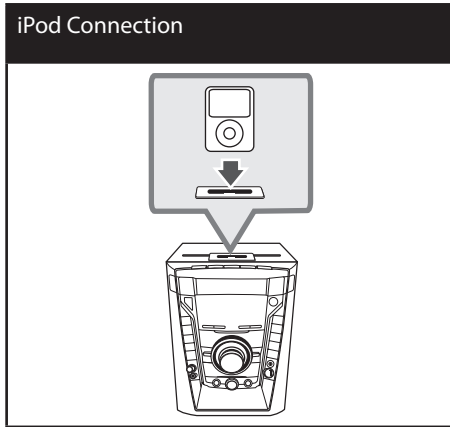
- If you set the clock time, you can check the time by pressing **CLOCK** even when the player is turned off.
- If you set the clock time and alarm, you can check the alarm icon "🕒" by pressing **CLOCK** even when the player is turned off.
- If you set the clock time and alarm, you can check the alarm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

Advanced Operations

Playing the iPod

You can enjoy the sound with your iPod. For details about iPod, refer to the iPod User Guide.

1. Connect the iPod firmly.



If you turn this unit on, your iPod is automatically turned on and recharging starts.

2. Press **AUX/ iPod** on the unit or **FUNCTION** on the remote control to select iPod function. In [iPod], You can operate your iPod through an iPod's display by using the supplied remote control and also control on your iPod.

To		Do this
ON UNIT	ON REMOTE	
CD PAUSE/ SET	▶ /	Pause or restart
MULTI JOG DIAL or I<< / >>I	◀◀ / ▶▶	Skip
I<< / >>I	◀◀ / ▶▶	Search
-	REPEAT	Move to the previous menu
-	PRESET/ FOLDER	Move to the desired item
STOP	■, ENTER	Choose a item

Compatible iPod

- We recommend installing the latest software version.
- The unit support the models as follows/
iPod nano 1 G, 2 G, 3 G, 4 G/
iPod classic/ iPod 4 G, 5 G/ iPod touch 2 G/
iPhone 3 G/ For some models, the unit may not operate depending on the firmware version.
- Depending on your iPod's software version, it may not be possible to control your iPod from the player.
- Unsupported iPod models are recognized as an USB device when connected.

**NOTE**

- If this unit displays an error message, follow the message. An error message "ERROR".
 - Your iPod is not connected firmly.
 - This unit recognizes your iPod as unknown device.
 - Your iPod is exceptionally low in power.
 - The battery needs to be charged.
 - If you charge the battery while iPod is extremely low in power, it may take longer to charge.
- iPod does not support recording function when connected.
- Depending on your iPod's software version, it may not be possible to control your iPod from this unit. We recommend installing the latest software version.
- If you have a problem with your iPod, please visit www.apple.com/support/ipod.

VOCAL FADER

You can enjoy the function as karaoke, by reducing singer vocal of music in the various source. (MP3/WMA/ CD/ etc.) Press the **VOCAL FADER**, and "FADE ON" will appear in display window.


To cancel it, press **VOCAL FADER** again.

- The quality of the VOCAL FADER may be different depending on the recording conditions of music files.

Displaying file information (ID3 TAG)

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

DEMO

In power off state to demonstrate the function on display window. To cancel it, press  or this button again the unit or **FUNCTION** on the remote control.

Listening to music from your portable player or external device

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

1. Connect the portable player to the **PORT.IN** (PORTABLE IN) connector of the unit.

Or

Connect the external device to the AUX connector of the unit.

- 2 Turn the power on by pressing **⏻ / I (Power)**.
- 3 Select the PORTABLE or AUX function by pressing **FUNCTION**.
- 4 Turn the portable player or external device and start it playing.

4

Operation

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 by using **CD, TUNER** or **USB** on the unit or **FUNCTION** on the remote control.
3. Playback a sound source first by using **< PRESET - / PRESET + >** on the unit or **▶/||** on the remote control.
4. Press **Rec. PAUSE** on the unit or **REC** on the remote control.
- The display changed in the following order, "USB REC" <-> "TAPE REC"
5. Press the **Rec. PAUSE** 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 **■, ENTER** 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.
- Recording automatically starts 7 seconds later after "CD SYNC" blinks.
5. To stop, press **STOP** on the unit or **■, ENTER** 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 by using **CD, TUNER** or **TAPE** on the unit or **FUNCTION** on the remote control.
One track recording - You can record to USB after playing the file you want.
All tracks recording - You can recording to USB after stop.
Program list recording - After moving to the programmed list and you can record it to USB.
- 3 Press **Rec. PAUSE** on the unit or **REC** on the remote control.
- The display changed in the following order, "USB REC" <-> "TAPE REC"

- Press the **Rec. PAUSE** on the unit or **REC** on the remote control button once more when "USB REC" is displayed.
> Recording starts.
- To stop recording, press **STOP** on the unit or **■, ENTER** on the remote control.

To select recording bit rate and speed

- Press **Rec. PAUSE** on the unit or **● REC** on the remote control for longer than 3 seconds.
- Press or rotate to select a bit rate;
 - On the remote control: **⏪** or **⏩**
 - On the unit: **MULITI JOG DIAL** or **⏪**/**⏩**
- Press **Rec. PAUSE** on the unit or **● REC** on the remote control again to select the recording speed.
- Press or rotate to select a desired recording speed;
 - On the remote control: **⏪** or **⏩**
 - On the unit: **MULITI JOG DIAL** or **⏪**/**⏩**

X1 SPEED

- You can listen to music while recording it.

X2 SPEED

- You can just record the music file.

- Press **Rec. PAUSE** on the unit or **● REC** on the remote control to finish the setting.

Pausing recording

During TAPE recording, press **Rec./PAUSE** on the unit to pause recording. Press it again to restart recording.
(Only Radio/ AUX)

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", "USB FULL" or "NO REC" is displayed on the display window.
- 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.
- You may not store more than 999 files.
- It'll be stored as follows.

AUDIO CD	MP3/ WMA	The other source*
CD_REC TRK_001 TRK_002 ⋮	FILE_REC ABC(File name) DEF(File name) ⋮	EXT_REC AUDIO_001 AUDIO_002 ⋮

* : TUNER, AUX, TAPE...

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

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 unit, 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 center.

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

Fingerprints and dust on the disc can cause poor picture quality and sound distortion. Before playing, clean the disc with a clean cloth. Wipe the disc from the center out. Do not use strong solvents such as alcohol, benzene, thinner, commercially available cleaners, or anti-static spray intended for older vinyl records.



6 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 24 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 17 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 batteries in the remote control are exhausted.	Replace the batteries with new one.
TAPE	Unable to record.	Record protect tabs are removed.	Cover holes on back edge of tape with tap.
iPod	iPod does not work.	Check whether the player is connected to the unit correctly.	Connect it to the unit correctly.

7

Appendix

Specifications

General

Power supply	Refer to main label.
Power consumption	(Mexico only : 120 V ~ 60 Hz) MCV905 : 180 W, MCT705 : 160W, MCD605 : 140 W
Net Weight	MCV905 : 6.69 kg, MCT705 : 6.67 kg MCD605 : 6.45 kg
External dimensions (W x H x D)	280 x 377 x 354 mm
Bus Power Supply (USB/iPod)	DC 5 V  500 mA
Operating conditions Temperature	5 °C to 35 °C, Operation status: Horizontal
Operating humidity	5 % to 85 %
Laser	Semiconductor laser, wavelength 650 nm

Tuner FM/AM [MW]

FM Tuning Range	87.5 to 108.0 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	MCV905 : Front : 280 W + 280 W MCV905 : Surround : 140 W + 140 W MCV905 : Sub Woofer : 180 W + 180 W MCT705 : Front : 280 W + 280 W MCT705 : Sub Woofer : 180 W MCD605 : Front : 280 W + 280 W
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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 8000 Hz
Signal to Noise Ratio	43 dB
Channel Separation	45 dB (P/B)/ 45 dB (R/P)
Erase Ratio	50 dB (MTT-5511)

Speakers

	FRONT	SURR.(Surround)	SUBWOOFER
Speaker name	MCS905F/ MCS705F/MCS605F	MCS905S	MCS905W/ MCS705W
Type	2 Way 2 Speaker	2 Way 2 Speaker	1 Way 1 Speaker
Impedance	8 Ω	16 Ω	12 Ω
Rated Input Power	280 W	140 W	180 W
Max. Input Power	560 W	280 W	360 W
Net Dimensions (W x H x D)	270 x 463 x 330 mm	197 x 388 x 240 mm	312 x 462 x 330 mm
Net Weight (1EA)	6.75 kg	2.97 kg	7.5 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	800-26-1054	Guatemala	1-801-422-5454
Ecuador	1-800-545454	El Salvador	00-800-6309
Venezuela	800-5424477	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	001-800-510-6564	Nicaragua	001-800-507-0007
Argentina	0800-888-5454 (Capital y GBA) / 0810-555-5454 (Interior del país)		



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