SONY® 4-165-352-**11**(1)

# Mini HI-FI Component System

MHC-EC909iP/EC709iP







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http://www.sony.net/

## WARNING

## To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

To reduce the risk of fire, do not cover the ventilation opening of the apparatus with newspapers, tablecloths, curtains, etc. Do not place the naked flame sources such as lighted candles on the apparatus.

To reduce the risk of fire or electric shock, do not expose this apparatus to dripping or splashing, and do not place objects filled with liquids, such as vases, on the apparatus. Do not install the appliance in a confined space, such as a

bookcase or built-in cabinet. As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.

Do not expose batteries or apparatus with batteryinstalled to excessive heat such as sunshine, fire or the

The unit is not disconnected from the mains as long as it is connected to the AC outlet, even if the unit itself has been turned off.

## The use of optical instruments with this product will

increase eye hazard. This appliance is classified



as a CLASS 1 LASER roduct. This marking is ocated on the rear exterior.

## Notice for the customers in the U.S.A. and Canada



"dangerous voltage" within the product's enclosure that may be of ufficient magnitude to constitute a risk of electric shock to persons. This symbol is intended to alert the user to the presence of important

This symbol is intended to alert the

user to the presence of uninsulated



operating and maintenance (servicing) nstructions in the literature accompanying the appliance. Owner's Record

The model and serial numbers are located on the rear of the unit. Record these numbers in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No.\_\_\_

## **Note on DualDiscs**

A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

### Music discs encoded with copyright protection technologies

This product is designed to playback discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

### **License and Trademark Notice**

- •iPod is a trademark of Apple Inc., registered in the U.S. and other countries.
- iPhone is a trademark of Apple Inc.
- •MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.
- All other trademarks and registered trademarks are of their respective holders. In this manual, TM and ® marks are not specified.

## **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 are 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.
- 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.

## The following FCC statement applies only to the version of this model manufactured for sale in the U.S.A. Other versions may not comply with FCC technical regulations.

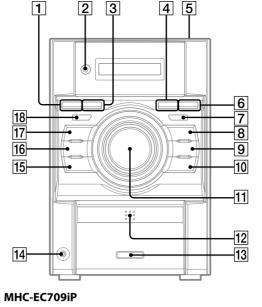
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate 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
- 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.

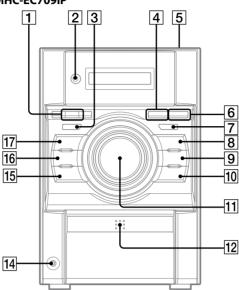
## CAUTION

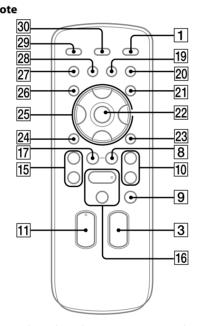
You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

## **Getting Started**



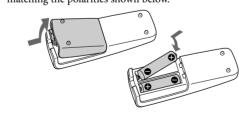
MHC-EC909iF





This manual mainly explains operations using the remote, but the same operations can also be performed using the buttons on the unit having the same or similar names.

Slide and remove the battery compartment lid, and insert the two supplied R6 (size AA) batteries, • side first, matching the polarities shown below.



## Notes on using the remote

- $\bullet$  Do not mix an old battery with a new one or mix different types of
- If you do not use the remote for a long period of time, remove the batteries to avoid damage from battery leakage and corrosion • Batteries installed devices shall not be exposed to excessive heat such

reception, and then set up the antenna. Keep the antennas away from the speaker cords and the power cord to avoid picking up noise.

## **B** Subwoofer (MHC-EC909iP only)

Connect the subwoofer cord to the SUBWOOFER jack. Place the subwoofer vertically to obtain a better bass reproduction. Also, position the subwoofer:

- -away from the center of the room or place a bookshelf against a wall, to avoid generating a

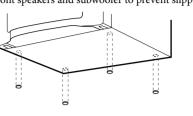
## **C** Speakers

Connect the speaker cords to the SPEAKERS jacks.

## **D** Power

Connect the power cord to a wall outlet. If the plug does not fit the wall outlet, detach the supplied plug adaptor (only for models equipped with an adaptor).

### To attach the speaker pads



## To use the iPod/iPhone

(MHC-EC909iP only). Press PUSH 12 on the unit to flip-open the Dock, slide

fingernail or a flat object using the slot inside the adapter.

- Keep the LOCK lever in the HOLD position while the iPod/iPhone • The Dock Adapter is not supplied with the system. Use the adapter
- supplied with your iPod when using an iPod model. When using an iPhone, iPhone 3G or iPhone 3GS, purchase a compatible Dock Adapter from Apple Inc. For details on the Dock Adapters, refer to the instructions supplied with the Dock Adapters

## To adjust the volume

Press VOLUME +/— (or turn the VOLUME control on the unit) 11.

### To set the clock

Use buttons on the remote to set the clock.

2 Press TIMER MENU 21 to select the clock set mode If "PLAY SET" flashes, press ♠/♣ 25 repeatedly to select "CLOCK," and then press (+) (enter) 22.

1 Press I/() (on/standby) 1 to turn on the system.

- 3 Press ◆/◆ 25 repeatedly to set the hour, and then press 🕀 22.
- **4** Use the same procedure to set the minutes.

## perations

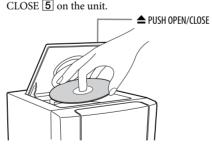
## Playing a CD/MP3 disc

1 Select the CD function. Press FUNCTION +/-  $\boxed{3}$  or FUNCTION  $\boxed{3}$  on the

and place a disc with the label side up on the CD

**2** Place a disc.

unit repeatedly (or CD  $\boxed{4}$  on the unit). Press ♠ PUSH OPEN/CLOSE 5 on the unit,



3 Start playback. Press ► (play) (or ► II (play/pause) on the unit)

## Other operations

10	Press
Pause playback	II (pause) (or ►II (play/pause) on the unit) 16. To resume play, press the button again.
Stop playback	■ (stop) <b>9</b> .
Select a folder on an MP3 disc	(select folder) + $\boxed{8}$ /- $\boxed{17}$ repeatedly.
Select a track or file	<b>I</b> (go back) <b>15</b> / <b>▶▶</b> (go forward) <b>10</b> .
Find a point in a track or file	Hold down ◀◀ (rewind) 15/▶► (fast forward) 10 during playback, and release the button at the desired point.
Select Repeat Play	REPEAT <b>28</b> repeatedly until "REP" or "REP1" appears.

## To change the play mode

Press PLAY MODE 27 repeatedly while the player is stopped. You can select normal play ("" for all MP3 files in the folder on the disc), shuffle play ("SHUF" or " SHUF\*" for folder shuffle), or program play

\* When playing a CD-DA (audio) disc, (SHUF) Play performs the same operation as normal (SHUF) Play

**Note on Repeat Play** 

"REP1" indicates that a single track or file is repeated until you stop it. Note on shuffle play mode

When you turn off the system, the selected shuffle play mode ("SHUF" or "SHUF") is cleared and the play mode returns to normal play mode ("").

Notes on playing MP3 discs

Do not save other types of tracks or files, or unnecessary folders on a disc that has MP3 files.

• Folders that have no MP3 files are skipped. MP3 files are played back in the order that they are recorded onto

 $\bullet$  The system can only play MP3 files that have a file extension of • Even when file name has the ".mp3" file extension, if the actual

file differs, playing this file may generate a loud noise which could damage the speaker system and the system may malfunction • The maximum number of:

-folders is 255 (including the root folder). -folder levels (the tree structure of files) is 8.

 Compatibility with all MP3 ence /writing soft ware, recordin device, and recording media cannot be guaranteed. Incompatible MP3 discs may produce noise or interrupted audio or may not play

Notes on playing multisession discs

• If the first session on the disc is a CD-DA session, the other sessions on the disc cannot be recognized regardless of the session format: only CD-DA tracks in the first session can be played back.

 $\bullet$  If the session format for the first session is CD-ROM and the following sessions are recorded in the same format, the system will continue to play back MP3 files accordingly in multiple sessi until the system encounters another session recorded in a different

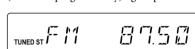
## Listening to the radio

1 Select "TUNER FM" or "TUNER AM." Press FUNCTION +/- 3 (or FUNCTION 3 on the

unit) repeatedly. **2** Perform tuning.

## For automatic scanning

Press TUNING MODE 27 repeatedly until "AUTO" appears, and then press +  $\boxed{10}$  / -  $\boxed{15}$  (or TUNING +  $\boxed{10}$  / -  $\boxed{15}$  on the unit). Scanning stops automatically when a station is tuned in, and "TUNED" and "ST" (for stereo programs only) light up in the display.



If "TUNED" does not light up and the scanning does not stop, press  $\blacksquare$  **9** to stop scanning, then perform manual tuning (below)

## For manual tuning

Press TUNING MODE 27 repeatedly until "MANUAL" appears, and then press + 10/- 15 (or TUNING + 10/-15 on the unit) repeatedly to tune in the desired station.

o reduce static noise on a weak FM stereo station, press FM MODE 29 repeatedly until "MONO" appears to turn off stereo reception

### Presetting radio stations

memory mode.

- Use buttons on the remote to preset stations.
- 1 Tune in the desired station. 2 Press TUNER MEMORY 26 to select the tuner



3 Press + 10/-15 repeatedly to select the desired

If another station is already assigned to the selected preset number, the station is replaced by the new

4 Press 

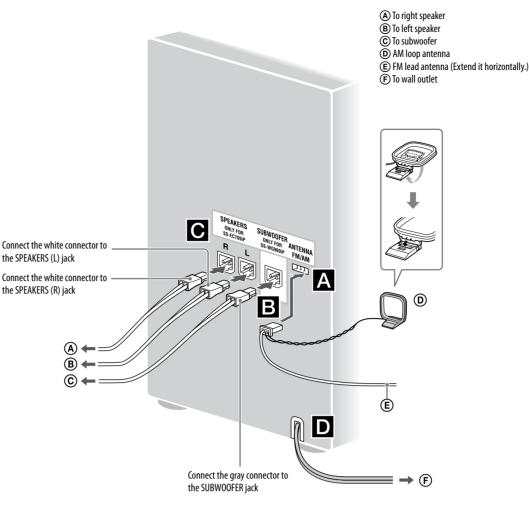
22 to store the station.

desired preset number.

**5** Repeat steps 1 through 4 to store other stations. You can preset up to 20 FM and 10 AM stations. The preset stations are retained for about half a day even if you disconnect the power cord or if a power failure occurs.

**6** To call up a preset radio station, press TUNING MODE 27 repeatedly until "PRESET" appears, and then press + |10| /— |15| repeatedly to select the





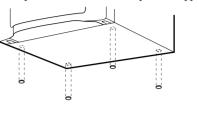
## **A** Antennas

Find a location and an orientation that provide good

# -on a solid floor where resonance is unlikely to occur.

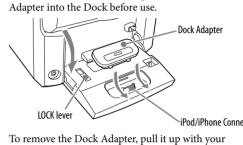
- —at least a few centimeters away from the wall.
- standing wave.

Attach the supplied speaker pads to the bottom of the front speakers and subwoofer to prevent slipping.



## Make sure the iPod indicator [13] lights up

the LOCK lever to the HOLD position, and insert a Dock



The clock settings are lost when you disconnect the power cord or if a

To display the clock when the system is off Press DISPLAY 30. The clock is displayed for about

## Playing the iPod/iPhone

- 1 Select the iPod function. Press FUNCTION +/- **3** or FUNCTION **3** on the unit repeatedly (or iPod & iPhone **6** on the unit).
- 2 Place the iPod/iPhone.



3 Start playback

Press  $\blacktriangleright$  (or  $\blacktriangleright$  on the unit)  $\boxed{16}$ .

### To control the iPod/iPhone

You can control your iPod/iPhone with the following buttons on the remote or unit.

То	Press
Pause playback	II (pause) (or $\blacktriangleright$ II (play/pause on the unit) 16 or $\blacksquare$ (stop) 9.
Scroll up/down the iPod menus	♦/♦ 25. You can scroll up or down the iPod menus much like the Click Wheel operations of the iPod or the drag up-or-down operations of the iPod touch/ iPhone.
Select a track or chapter of audiobook/podcast	Ide (go back) 15/► (go forward) 10. To fast-forward or fast-rewind, hold down the button.
Choose the selected item	→ 25/⊕ (enter) 22. You can choose the selected item much like the center button on the iPo or the touch operation of the iPod touch/iPhone.
Find a point in a track or chapter of audiobook/podcast	Hold down ◀◀ (rewind) 15/ ▶▶ (fast forward) 10 during playback, and release the button at the desired point.
Return to the previous menu or select a menu	◆ 25/TOOL MENU 23/6 (RETURN) 24. You can return to the previous menu or select a menu much like the Menu button on the iPod or the touch

### To use the system as a battery charger You can use the system as a battery charger for the iPod/

iPhone.

operation of the iPod touch/

iPhone when the system is on.

The charging begins when the iPod/iPhone is placed on the iPod/iPhone connector. The charging status appears in the iPod/iPhone display. For details, see the user's guide of your iPod/iPhone.

## To stop charging the iPod/iPhone

Remove the iPod/iPhone. Turning off the system also stops charging the iPod/iPhone.

### •When placing or removing the iPod/iPhone, handle the iPod/iPhone in the same angle as that of the iPod/iPhone connector on the unit

- and do not twist or sway the iPod/iPhone to prevent connector • Do not carry the unit with an iPod/iPhone set on the connector.
- Doing so may cause a malfunction • When placing or removing the iPod/iPhone, brace the unit with one
- hand and take care not to press the controls of the iPod/iPhone by Before disconnecting the iPod/iPhone, pause playback.
- Hold down ► 15/► 10 to fast-forward (fast-rewind) while playing video if  $\boxed{15}/\rightarrow \boxed{10}$  does not function.
- When the iPhone is connected to the system and you receive a call during playback, playback will pause and you can take an incoming
- ullet To change the volume level, use VOLUME +/— (or VOLUME control on the unit) 11. The volume level does not change even if
- adjusted on the iPod/iPhone • This system is designed for iPod/iPhone only. You cannot connect
- any other portable audio players.
- To use an iPod/iPhone, refer to the user's guide of your iPod/iPhone.
- Sony cannot accept responsibility in the event that data recorded to iPod/iPhone is lost or damaged when using an iPod/iPhone with this

## Creating your own program (Program Play)

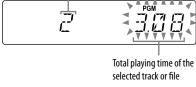
Use buttons on the remote to create your own program. 1 Select the CD function

- Press FUNCTION +/- **3** repeatedly.
- 2 Select the play mode Press PLAY MODE 27 repeatedly until "PGM"
- appears while the player is stopped.
- **3** Select the desired track or file number.

Press ► 15/► 10 repeatedly until the desired track or file number appears.

When programming MP3 files, press + 8/- 17repeatedly to select the desired folder, and then select the desired file.

Selected track or file number



### 4 Program the selected track or file. Press 22 to enter the selected track or file.

**5** Repeat steps 3 through 4 to program additional tracks or files, up to a total of 25 tracks or files.

6 To play your program of tracks or files, press ► 16. The program remains available until you open the CD compartment. To play the same program again, select the CD function, and then press **16**.

### To cancel Program Play Press PLAY MODE 27 repeatedly until "PGM"

disappears while the player is stopped. To delete the last track or file of the program

## Press CLEAR 19 while the player is stopped. To view program information, such as total

track number of the program Press DISPLAY 30 repeatedly.

## Using optional audio components

- 1 Prepare the sound source. Connect additional audio component to the PC IN
- supplied) **2** Turn down the volume. Press VOLUME — (or turn the VOLUME control on

jack 14 on the unit using an audio analog cord (not

- the unit) 11.
- 3 Select the PC function. Press FUNCTION +/-  $\boxed{3}$  (or FUNCTION  $\boxed{3}$  on the unit) repeatedly
- 4 Start playback.
- Start playback of the connected component
- **5** Adjust the volume.
- Press VOLUME +/— (or turn the VOLUME control on the unit) 11.

## Adjusting the sound

То	Press
Generate a more dynamic sound (Dynamic Sound Generator X-tra)	DSGX 7 on the unit
Set the sound effect	EQ 20.

To turn on the subwoofer (MHC-EC909iP only) Press SUBWOOFER ON/OFF 18 on the unit until "SUBWOOFER" appears. The volume of the subwoofer is linked to the front speakers.

## Changing the display

То	Press
Change	DISPLAY 30 repeatedly when the
information on the	system is turned on.

Change Display DISPLAY 30 repeatedly when the

- mode (See below.) system is turned off.
- \* For example, you can view CD/MP3 disc information, such as:
- -track or file number during normal play.
- -track or file name (" □") during normal play. —artist name ("♠") during normal play.
- -album or folder name ("a") during normal play.
- -total playing time and total number of tracks on the CD-DA disc (only when normal play mode is selected and the player is stopped).
- -total number of folders (albums) on the MP3 disc (only when
- normal play mode is selected and the player is stopped). -volume label if it exists on the disc (only when normal play mode
- is selected and the player is stopped).
- The system offers the following display modes.

•	
Display mode	When the system is off,
Power Saving	The display is turned off to conserve
$Mode^{1)}$	power. The timer and clock continue
	to operate.
C11-2)	The aleast is disulated

- 1) You cannot set the clock in Power Saving Mode.
- 2) The clock display automatically turns to Power Saving Mode after

## Notes on the display information

- The following are not displayed;
- -total playing time for an MP3 disc.
- remaining playing time for an MP3 file • The following are not displayed correctly;
- -elapsed playing time of an MP3 file encoded using VBR (variable
- -folder and file names that do not follow either the ISO9660 Level 1, Level 2 or Joliet in the expansion format.
- The following are displayed; -remaining playing time for a track.
- -ID3 tag information for MP3 files when ID3 version 1 and
- version 2 tags are used (ID3 version 2 tag information display has priority when both ID3 version 1 and version 2 tags are used for single MP3 file).
- -up to 15 characters of ID3 tag information using uppercase letters (A to Z), numbers (0 to 9), and symbols (" % "() \* + , - . / < = >@[\]\_`{|}!?^~).

## Using the timers

The system offers two timer functions. If you use both timers, the Sleep Timer has priority. Use buttons on the remote to use the timer functions.

You can fall asleep to music. This function works even if the clock is not set Press SLEEP 29 repeatedly. If you select "AUTO," the system automatically turns off after the current disc stops, or within 100 minutes

You can wake up to CD, FM/AM reception, iPod or iPhone at a preset time.

### Make sure you have set the clock. 1 Prepare the sound source.

Prepare the sound source, and then press VOLUME +/- 11 to adjust the volume To start from a specific CD track or audio file, create your own program.

- 2 Select the timer set mode.
- Press TIMER MENU 21. **3** Set the play timer.
- Press ♠/♣ 25 repeatedly to select "PLAY SET," and then press (+) 22 "ON TIME" appears, and the hour indication flashes.
- 4 Set the time to start playback. Press ♠/♣ 25 repeatedly to set the hour, and then press 🕀 22. The minute indication flashes. Use the procedure above to set the minutes. "OFF TIME" appears and the hour indication flashes
- 5 Use the same procedure as in step 4 to set the time to stop playback.
- **6** Select the sound source.
- Press ♠/♣ 25 repeatedly until the desired sound source appears, and then press (+) 22. The display shows the timer settings.
- 7 Turn off the system.

in the display

Press I/ ( 1.

- The system turns on 15 seconds before the preset time. If the system is on at the preset time, the Play Timer
- will not play. Do not operate the system from the time the system turns on until the playback starts.

- To check the setting 1 Press TIMER MENU 21.
- "SELECT" flashes in the display.
- 2 Press (+) 22. 3 Press **★**/**▼** 25 repeatedly to select "PLAY SEL," and then press (+) 22

## To cancel the timer

Repeat the same procedure as above until "OFF" appears in step 3, and then press  $\oplus$  **22**.

## To change the setting

Start over from step 1.

- Notes for the iPod/iPhone user • Make sure the iPod/iPhone is not playing when using the Play
- The Play Timer may not be activated depending on the status of the connected iPod/iPhone.

The Play Timer setting remains as long as the setting is not cancelled

## **Troubleshooting**

- 1 Make sure the power cord and speaker cords are correctly and firmly connected.
- 2 Find your problem in the checklist below, and take the indicated corrective action.
- If the issue persists, contact your nearest Sony dealer.

If "PROTECT" appears on the display Immediately unplug the power cord, and check if anything blocking the ventilation holes on the back of the system after "PROTECT" disappears. After you have checked the ventilation holes and found to be all right, reconnect the power cord, and

turn on the system. If the issue persists, contact your

## General

## The system does not turn on.

• Is the power cord plugged in?

### There is no sound.

nearest Sony dealer.

• Are you using only the supplied speakers? • Is anything blocking the ventilation holes on the back of the system?

### Sound comes from one channel, or the left and right volumes are unbalanced.

- Place the speakers as symmetrically as possible.
- Connect only the supplied speakers.
- Severe hum or noise.
- Move the system away from sources of noise. Connect the system to a different wall outlet.
- Install a noise filter (available separately) to the power

## The remote does not function.

- Remove any obstacles between the remote and the remote sensor 2 on the unit, and position the unit away from fluorescent lights.
- Point the remote at the system's sensor.

## CD/MP3 player

• Move the remote closer to the system.

- The sound skips, or the disc will not play. • Wipe the disc clean, and replace it.
- Move the system to a location away from vibration (for example, on top of a stable stand). • Move the speakers away from the system, or place them

### on separate stands. At high volume, speaker vibration may cause the sound to skip. Play does not start from the first track.

• Return to Normal Play by pressing PLAY MODE 27 repeatedly until both "PGM" and "SHUF" disappear

- Starting playback takes more time than usual. • The following discs can increase the time it takes to start
- playback: —a disc recorded with a complicated tree structure.
- -a disc recorded in multisession mode. -a disc that has not been finalized (a disc to which data can be added).
- a disc that has many folders.

## Tuner

### Severe hum or noise, or stations cannot be received. ("TUNED" or "ST" flashes on the display.)

- Connect the antenna properly.
- Find a location and an orientation that provide good reception, and then set up the antenna again.
- Keep the antennas away from the speaker cords and the power cord to avoid picking up noise

Turn off nearby electrical equipment.

### iPod/iPhone

- The remote does not function.
- Make sure the iPod/iPhone is connected securely. Update your iPod/iPhone with the latest software before using with this system.

### There is no sound.

- Make sure the iPod/iPhone is connected securely.
- Make sure the iPod/iPhone is playing music.
- Adjust the volume.
- The sound is distorted.
- Turn down the volume • Set the "EQ" setting of the iPod/iPhone to "Off" or

## The iPod/iPhone cannot be charged.

 Make sure the iPod/iPhone is connected securely. Make sure the system is turned on. The iPod/iPhone is charged only when the system is on.

## "OVER CURRENT" appears.

• A problem has been detected with the level of electrical current from the iPod/iPhone connector. Turn off the system and remove the iPod/iPhone from the iPod/ iPhone connector. Make sure there is no problem with the iPod/iPhone. If this display pattern persists, contact your nearest Sony dealer.

### The ring volume of the iPhone does not change.

• Adjust the ring volume on the iPhone.

### To change the AM tuning interval The AM tuning interval is factory-preset to 9 kHz or

10 kHz. Use buttons on the unit to change the AM tuning

- 1 Tune in any AM station, and then turn off the
- 2 Press DISPLAY 30 to display the clock. 3 While holding down TUNING + 10, press 1/ 1.

To reset the interval to the factory preset, repeat the

## procedure.

All the AM preset stations are erased.

To improve tuner reception Turn off iPod/iPhone/CD player power by using the system's power management function. By default, iPod/ iPhone/CD player power is turned on.

- 1 Press FUNCTION +/— 3 repeatedly (or CD 4 on the unit) to select the CD function. 2 Press I/ (1) 1 to turn off the system.
- **3** After "STANDBY" stops flashing, press DISPLAY 30 to display the clock and then press  $I/\circlearrowleft$  1 while
- holding down 9. "iPod/CD PWR OFF" appears. With iPod/iPhone/CD player power turned off, access time is increased. n addition, when the TUNER function is selected, power is not supplied to the iPod/iPhone, so it is not recognized and charged even if connected. To turn on iPod/iPhone/CD player power, repeat the procedure until "iPod/CD PWR ON" appears.

- To reset the system to factory settings If the system still does not operate properly, reset the system to factory settings Use buttons on the unit to reset the unit to its factory
- 1 Disconnect and reconnect the power cord, and then turn on the system 2 Press ■ 9, CD 4, and I/ 1 at the same time.

All user-configured settings, such as preset radio

## When carrying this system

1 Remove a disc to protect the CD mechanism.

stations, timer, and the clock, are deleted.

- 2 Press  $I/\bigcirc 1$  on the unit to turn off the system and confirm that "STANDBY" stops flashing.
- **3** Unplug the power cord.

default settings.

## Messages

do if this message appears.

disc. Some buttons are not available

Discs that this system CAN play

• CD-R/CD-RW (audio data/MP3 files)

Discs that this system CANNOT play

• CD-R/CD-RW other than those recorded in music CD

format or MP3 format conforming to ISO9660 Level

• CD-R/CD-RW recorded in multisession that have not

CD-RW that have scratches or are dirty, or CD-R/CD-

RW recorded with an incompatible recording device

• Discs containing files other than MPEG 1 Audio Layer-

 $\bullet$  Discs that have adhesive tape, paper, or sticker attached

• Rental or used discs with attached seals where the glue

• Discs that have labels printed using ink that feels tacky

• CD-R/CD-RW of poor recording quality, CD-R/

• Discs of non-standard shape (for example, heart,

• CD-R/CD-RW which is finalized incorrectly

timer operation.

**Precautions** 

playback.

Audio CD

CD-ROM

1/Level 2, Joliet

3 (MP3) files

square, star)

when touched

**Notes on discs** 

extends beyond the seal

the center out to the edge.

static spray intended for vinyl LPs.

ended by "closing the session"

**COMPLETE:** The preset operation ended normally. FULL: You tried to program more than 25 tracks or files

**NO STEP :** All of the programmed tracks have been

**OVER:** You have reached the end of the disc while

**PROTECT:** The ventilation holes may be blocked. See "If

"PROTECT" appears on the display" to check what to

**PUSH SELECT:** You tried to set the clock or timer during

**PUSH STOP :** You pressed PLAY MODE **27** during

**READING:** The system is reading information of the

**TIME NG:** The Play Timer start and end times are set to

pressing ►► 10 during playback or pause

• Be careful when placing the unit or speakers on **NO DISC:** There is no disc in the player, or you have loaded a disc that cannot be played.

On placement

surfaces that have been specially treated (for example, with wax, oil, polish) as staining or discoloration of the surface may result.

vibration, direct sunlight or a bright light.

Do not place the system in an inclined position or in

locations that are extremely hot, cold, dusty, dirty, or

humid or lacking adequate ventilation, or subject to

• If the system is brought directly from a cold to a warm location or is placed in a very damp room, moisture may condense on the lens inside the CD player, and cause the system to malfunction. In this situation, remove the disc, and leave the system turned on for

## On heat buildup

• Heat buildup on the unit during operation is normal and is not cause for alarm.

about an hour until the moisture evaporates.

- Do not touch the cabinet if it has been used continuously at a high volume because the cabinet may have become hot.
- Do not obstruct the ventilation holes.

## On the speaker system

This speaker system is not magnetically shielded, and the picture on nearby TV sets may become magnetically distorted. In this situation, turn off the TV, wait 15 to 30 minutes, and turn it back on.

Clean this system with a soft cloth slightly moistened

with a mild detergent solution. Do not use any type

of abrasive pad, scouring powder, or solvent, such as

If there is no improvement, move the speakers far away from the TV.

### Cleaning the cabinet

thinner, benzine, or alcohol.

Specifications

AUDIO POWER SPECIFICATIONS POWER OUTPUT AND TOTAL HARMONIC DISTORTION: (The United States model only)

With 12 ohm loads, both channels driven, from 120 – 10,000 Hz; rated 70 watts

per channel minimum RMS power, with no more than 0.7% total hard distortion from 250 milliwatts to rated output.

### The following measured a (North American model) ared at AC 120 V, 60 Hz The following measured at AC 240 V, 50/60 Hz

**Amplifier section** 

MHC-EC909iP North American model: Front Speaker

180 W + 180 W (per channel at 12  $\Omega$ , 1 kHz)

180 W + 180 W (per channel at 12  $\Omega$ , 1 kHz)

180 W + 180 W (per channel at 12  $\Omega$ , 1 kHz)

Outputs  $\begin{array}{l} \text{SPEAKERS: Impedance 12 } \Omega \\ \text{SUBWOOFER (MHC-EC909iP only): Impedance 12 } \Omega \end{array}$ 

Inputs
PC IN (stereo mini jack): Sensitivity 800 mV, impedance 22 kilohm.

This output is the value measurement at a distance of 200mm from the

objective lens surface on the Optical Pick-up Block with 7mm aper Frequency response:  $20~{\rm Hz}-20~{\rm kHz}$ 

North American model: 87.5 MHz — 108.0 MHz (100 kHz step)

 $85 \text{ W} + 85 \text{ W} \text{ (at } 12 \Omega, 1 \text{ kHz}, 1\% \text{ THD)}$ 

System: Compact disc and digital audio system Laser Diode Properties

Emission Duration: Continuous Laser Output\*: Less than 44.6μW

Signal-to-noise ratio: More than 90 dB

FM stereo, FM/AM superheterodyne tune

ynamic range: More than 88 dB

RMS output power (reference) 180 W (at 12  $\Omega$ , 80 Hz) • Before playing, wipe the disc with a cleaning cloth from

MHC-EC709iP

Front Speaker 85 W + 85 W (at 12  $\Omega$ , 1 kHz, 1% THD) RMS output power (reference): 180 W + 180 W (per channel at 12  $\Omega$ , 1 kHz) • Do not expose discs to direct sunlight or heat sources

RMS output power (reference) 180 W (at 12 Ω, 80 Hz)

Torth American model

Power output (rated)

CD player section

**Tuner section** 

FM lead antenn

AM loop antenna

FM tuner section

AM tuner section:

Tuning range North American model:

530 kHz - 1,710 kHz (10 kHz step)

531 kHz - 1,710 kHz (9 kHz step

531 kHz - 1,710 kHz (9 kHz step)

Intermediate frequency: 53 kHz

RMS output power (refer

## direct sunlight.

• Do not clean discs with solvents, such as benzine,

thinner, or commercially available cleaners or anti-

such as hot air ducts, nor leave it in a car parked in

- On safety • Completely disconnect the power cord (mains lead) from the wall outlet (mains) if it is not going to be used for an extended period of time. When unplugging the
- unplug the system, and have it checked by qualified personnel before operating it again. • AC power cord must be changed only at a qualified service shop.

unit, always grip the plug. Never pull the cord itself.

Should any solid object or liquid get into the system,

iPod/iPhone section Compatible iPod/iPho

iPhone 3GS

iPod nano

5th generation

(video camera)

4th generation

(video)

iPod nano

3rd generation

(video)

iPod

5th generation

(video)

iPod nano



80GB

iPod touch







iPod mini

## Front Speaker (SS-EC709iP)

Woofer: 160 mm, cone type Tweeter: 40 mm, horn type Rated impedance: 12  $\Omega$ 

### Subwoofer (SS-WG909iP) for MHC-EC909iP only Speaker system: Subwoofer system, Bass refle

## Rated impedance: 12 $\Omega$ Dimensions (W/H/D): Approx. 282 mm $\times$ 306 mm $\times$ 305 mm Mass: Approx. 5.5 kg

MHC-EC909iP

MHC-EC709iP Australian model: 200 W

(0.5 W at the Power Saving Mode)

## Mass (excl. speakers): MHC-EC909iP

Approx. 5.7 kg

Design and specifications are subject to change without notice.

Supplied accessories: Remote Commander (1), R6 (Size AA) batteries (2), FM





st generation

iPod nano



iPod

## iPod 4th generation

Speaker system: 2-way 2-driver speaker system, Bass reflex Speaker unit

### s (W/H/D): Approx. 221 mm × 306 mm × 215 mm Mass: Approx. 2.8 kg

## Subwoofer: 200 mm, cone type

Speaker unit

**Power requirements** North American model: AC 120 V, 60 Hz

## North American model: 250 W Australian model: 250 W (0.5 W at the Power Saving Mode)

## Dimensions (W/H/D) (excl. speakers): Approx. 200 mm × 306 mm × 389 mm

ead/AM loop antenna (1), Speaker pads MHC-EC909iP (12)/MHC-EC709iP

• Halogenated flame retardants are not used in the certain printed wiring boards.

# iPhone 3G iPhone



