## MHC-EC99i/EC79i/EC69i





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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

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 battery-

installed to excessive heat such as sunshine, fire or the

is connected to the AC outlet, even if the unit itself has been turned off.

The unit is not disconnected from the mains as long as it

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

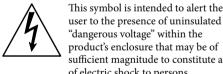
## CAUTION

The use of optical instruments with this product will



This appliance is classified as a CLASS 1 LASER product. This marking s located on the rear

## **CAUTION**



product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons This symbol is intended to alert the

"dangerous voltage" within the



user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

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

## 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. Madel No.

Model No.	
Serial No.	

# **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.

### NOTE: This equipment has been tested and found to comply

with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit
- different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV

## CAUTION

technician for help.

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

### Notice for customers: the following information is only applicable to equipment sold in countries applying EU directives

The manufacturer of this product is Sony Corporation, 1-7-1 Konan Minato-ku, Tokyo, 108-0075 Japan. The Authorized Representative for EMC and product safety is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters, please refer to the addresses given in separate service or guarantee documents.



Disposal of Old Electrical & **Electronic Equipment** (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the Applicable accessories: Remote commander

### Disposal of waste batteries (applicable in the European **Union and other European** countries with separate collection systems)

This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste. By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources. In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only. To ensure that the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment For all other batteries, please view the section on how

to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries. For more detailed information about recycling of this

product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

## **Note on DualDiscs**

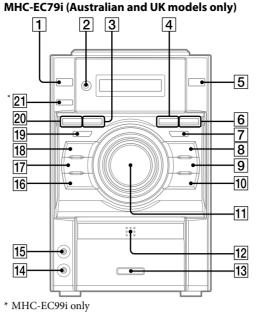
A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

### Music discs encoded with copyright protection technologies This product is designed to playback discs that conform

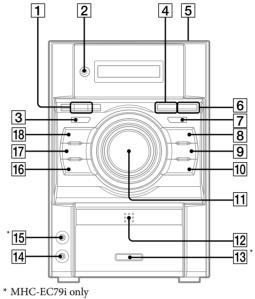
to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

## **License and Trademark Notice**

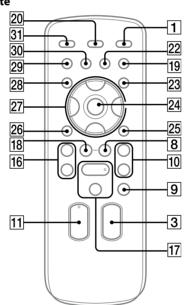
- iPod is a trademark of Apple Inc., registered in the U.S. and other countries.
- •MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.
- All other trademarks and registered trademarks are of their respective holders. In this manual, TM and ® marks are not specified.



### MHC-EC79i (North American model only) MHC-EC69i



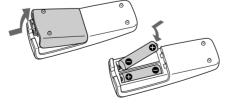
## Remote



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

## To use the remote

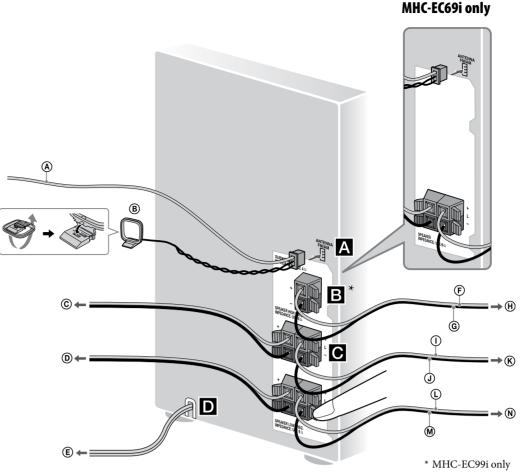
Slide and remove the battery compartment lid, and insert the two R6 (size AA) batteries (supplied, except for MHC-EC69i), • side first, matching the polarities



## Notes on using the remote

- With normal use, the batteries should last for about six months. • 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
- $\bullet$  Batteries installed devices shall not be exposed to excessive heat such as sunshine, fire or the like.

## **Getting Started**



(Extend it horizontally.) AM loop antenna © To right speaker (High freq.) (Low freq.) (E) To wall outlet F Solid (Gray/⊕) G Solid (Black/⊖)

- (H) To subwoofer ① Solid (Blue/⊕) **③** Solid (Black/⊖) (K) To left speaker (High freg.) C Solid (Red/⊕)
- $\mathbf{M}$  Solid (Black/ $\bigcirc$ ) N To left speaker (Low freq.)

## **A** Antennas

Find a location and an orientation that provide good 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-EC99i only)

Insert only the stripped portion of the cord. Place the subwoofer vertically to obtain a better bass reproduction. Also, position the subwoofer:

- on a solid floor where resonance is unlikely to occur.
- -at least a few centimeters away from the wall.
- -away from the center of the room or place a bookshelf against a wall, to avoid generating a standing wave.

## **C** Speakers

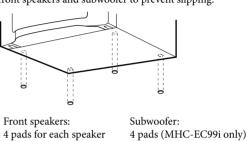
sert only the stripped portion of the cord.

## **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

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



instructions supplied with the Dock Adapters.

– iPod Dock Adapter the slot inside the

• You can use the iPod only when the iPod indicator 13 lights up (except for MHC-EC69i).

### To adjust the volume

Press VOLUME +/— (or turn the VOLUME control on

## To connect an optional headphones

## To set the clock

- 2 Press TIMER MENU 23 to select the clock set mode.
- press 🕀 24.

Press DISPLAY 20. The clock is displayed for about

## perations

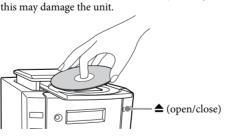
# Playing a CD/MP3 disc

1 Select the CD function. Press FUNCTION +/- 3 repeatedly (or CD 4 on the unit).

2 Place a disc.

## MHC-EC99i

MHC-EC79i (Australian and UK models only) Press  $\triangleq$  (open/close)  $\boxed{5}$  on the unit, and place a disc with the label side up on the disc tray. To close the disc tray, press  $\triangleq 5$  on the unit. Do not force the disc tray closed with your finger, as



### MHC-EC79i (North American model only) MHC-EC69i

Press ♣ PUSH OPEN/CLOSE 5 on the unit, and place a disc with the label side up on the CD

To close the CD compartment, press ♣ PUSH OPEN/ CLOSE 5 on the unit. - ♠ PUSH OPEN/CLOSE



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

### Press **II** (pause) (or **►II** (play/pause) Pause playback on the unit) 17. To resume play, press the button again. Stop playback **■** (stop) **9**. Select a folder on an (select folder) + 8/- 18. MP3 disc Select a track or file **◄** (go back) **16**/**▶▶** (go

forward) 10. Hold down ◀◀ (rewind) 16/▶▶ Find a point in a (fast forward) 10 during playback, and release the button at the desired point Select Repeat Play REPEAT 30 repeatedly until "REP" or "REP1" appears.

## To change the play mode

Press PLAY MODE 29 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. model only) and MHC-EC69i)

### Do not open the CD compartment when "READING" appears or during playback, as this may cause a malfunction **Notes on Repeat Play**

• All tracks or files on a disc are played repeatedly up to five times. • "REP1" indicates that a single track or file is repeated until you stop

When you turn off the system, the selected shuffle play mode ("SHUF"

## or "SHUF") is cleared and the play mode returns to normal play

Note on shuffle 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

## 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 150 (including the root folder). -MP3 files is 255.
- $-\mbox{MP3}$  files and folders that can be contained on a single disc is 300. —folder levels (the tree structure of files) is 8. Compatibility with all MP3 encoding/writing software, recording 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 disc begins with a CD-DA (or MP3) session, it is recognized as a CD-DA (or MP3) disc, and playback continues until another
- A disc with a mixed CD format is recognized as a CD-DA disc

## Listening to the radio

1 Select "TUNER FM" or "TUNER AM."

Press FUNCTION +/— (or FUNCTION on the unit) 3 repeatedly.

**2** Perform tuning.

## For automatic scanning

Press TUNING MODE 29 repeatedly until "AUTO" appears, and then press + 10/- 16 (or TUNING + 10/— 16 on the unit). Scanning stops automatically when a station is tuned in, and "TUNED" and "ST" (for stereo programs only) appear.



If "TUNED" does not appear and the scanning does not stop, press ■ **9** to stop scanning, then perform manual tuning (below).

## For manual tuning

Press TUNING MODE 29 repeatedly until "MANUAL" appears, and then press + 10/- 16 (or TUNING +  $\frac{10}{10}$  on the unit) repeatedly to tune in the desired station.

• The iPod Dock Adapter is not supplied with the system

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

reduce static noise on a weak FM stereo station, press FM MODE

### Presetting radio stations Use buttons on the remote to preset stations.

1 Tune in the desired station.

2 Press TUNER MEMORY 28 to select the tuner



If another station is already assigned to the selected

4 Press 

24 to store the station.

**6** To call up a preset radio station, press TUNING MODE 29 repeatedly until "PRESET" appears, and then press + 10/-16 repeatedly to select the



Make sure the iPod indicator 13 lights up (except for

Press PUSH 12 on the unit to flip-open the iPod Dock,

slide the LOCK lever to the HOLD position, and insert

an iPod Dock Adapter into the Dock before use.

For details on the iPod Dock Adapters, refer to the

To use the iPod

MHC-EC69i).

## the unit) 11.

Connect headphones to the PHONES jack 14 on the

## Use buttons on the remote to set the clock.

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

- If "PLAY SET" flashes, press ♠/♦ 27 repeatedly to select "CLOCK," and then press (+) (enter) 24. 3 Press ◆/◆ 27 repeatedly to set the hour, and then
- **4** Use the same procedure to set the minutes.

To display the clock when the system is off 8 seconds.

memory mode.

30 repeatedly until "MONO" appears to turn off stereo reception



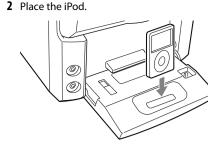


preset number, the station is replaced by the new stations.

**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

## Playing the iPod

- 1 Select the iPod function. Press FUNCTION +/- 3 repeatedly (or iPod 6 on the unit).



3 Start playback Press  $\blacktriangleright$  (or  $\blacktriangleright$  on the unit)  $\boxed{17}$ .

### To control the iPod

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

То	Press
Pause playback	II (pause) (or ►II (play/pause) on the unit) 17 or II (stop) 9.
Scroll up/down the iPod menus	♦/♦ 27. 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.
Select a track or chapter of audiobook/podcast	Id (go back) 16/▶▶ (go forward) 10. To fast-forward or fast-rewind, hold down the button.
Choose the selected item	→ 27/⊕ (enter) 24. You can choose the selected item much like the center button on the iPod or the touch operation of the iPod touch.
Find a point in a track or chapter of audiobook/podcast	Hold down ◀◀ (rewind)  [16]/▶▶ (fast forward) 10 during playback, and release the button at the desired point.
Return to the previous menu or select a menu	(return) 26. You can return to the previous menu or select a menu much like the Menu button on the iPod or the touch operation of the iPod touch.

## To use the system as a battery charger

You can use the system as a battery charger for the iPod when the system is on.

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

## To stop charging the iPod

## Remove the iPod.

• When placing or removing the iPod, handle the iPod in the same angle as that of the iPod connector on the unit and do not twist or sway the iPod to prevent connector damage.

• Do not carry the unit with an iPod set on the connector. Doing so

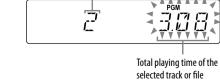
- When placing or removing the iPod, brace the unit with one hand and take care not to press the controls of the iPod by mistake.
- Before disconnecting the iPod, pause playback. • While playing video, you cannot use ◀◀ 116/▶▶ 110. You can fast rewind (fast forward) by holding down ◄◄ 116/▶▶ 110.
- To 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. • This system is designed for iPod only. You cannot connect any other
- portable audio plave
- To use an iPod, refer to the user's guide of your iPod. Sony cannot accept responsibility in the event that data recorded to
- iPod is lost or damaged when using an iPod with this unit.

## 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 29 repeatedly until "PGM" appears while the player is stopped.
- **3** Select the desired track or file number.
- Press ► 16/► 10 repeatedly until the desired track or file number appears.
- When programming MP3 files, press + 8/- 18repeatedly to select the desired folder, and then select the desired file.

Selected track or file number



### 4 Program the selected track or file. Press 24 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.

Press PLAY MODE 29 repeatedly until "PGM"

Press CLEAR 22 while the player is stopped.

To delete the last track or file of the program

To view program information, such as total

Using optional audio components

Connect additional audio component to the PC IN

jack 15 on the unit using an audio analog cord (not

Press VOLUME — (or turn the VOLUME control on

Press FUNCTION +/— (or FUNCTION on the unit)

Press VOLUME +/— (or turn the VOLUME control

To turn on the subwoofer (MHC-EC99i only)

"SUBWOOFER" appears. The volume of the subwoofer is

Press SUBWOOFER ON/OFF [21] on the unit until

**Press** 

EQ 19.

DISPLAY 20 repeatedly when the

The display is turned off to conserve

power. The timer and clock continue

DSGX **7** on the unit.

Start playback of the connected component.

disappears while the player is stopped.

track number of the program

(except for MHC-EC69i)

1 Prepare the sound source.

**2** Turn down the volume.

3 Select the PC function.

supplied)

the unit) 11

**3** repeatedly.

**5** Adjust the volume.

on the unit) 11.

Adjusting the sound

Generate a more dynamic

linked to the front speakers.

Changing the display

information on the system is turned on.

mode (See below.) system is turned off.

track or file name ("□") during normal play

total playing time while the player is stopped

1) You cannot set the clock in Power Saving Mode.

Characters that cannot be displayed appear as "\_".

ning playing time for an MP3 file

Level 1, Level 2 or Joliet in the expansion format.

-total playing time for a CD-DA disc during normal play

Notes on the display information

-total playing time for an MP3 disc

The following are not displayed correctly;

remaining playing time for a track.

• The following are not displayed;

The following are displayed:

-album or folder name ("") during normal play.

The system offers the following display modes.

to operate.

 $^{\rm 2)}$  The clock display automatically turns to Power Saving Mode after

-elapsed playing time of an MP3 file encoded using VBR (variable

-folder and file names that do not follow either the ISO9660

-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 a

–up to 15 characters of ID3 tag information using uppercase letters (A to Z), numbers (0 to 9), and symbols ("  $\$  ", - / < = > @

The clock is displayed.

Display mode When the system is off,

-track or file number during normal play.

—artist name ("♣") during normal play.

Change Display DISPLAY 20 repeatedly when the

\* For example, you can view CD/MP3 disc information, such as;

sound (Dynamic Sound

Generator X-tra)

Change

display\*

Power Saving

Mode1)

Clock<sup>2)</sup>

Set the sound effect

4 Start playback.

Press DISPLAY 20 repeatedly.

then press - 17

To cancel Program Play

6 To play your program of tracks or files, press ► 17.

The program remains available until you open the disc

# You can fall asleep to music. This function works even if

Using the timers

tray or CD compartment (MHC-EC69i only). To play the same program again, select the CD function, and the clock is not set. Press SLEEP 31 repeatedly. If you select "AUTO," the

timers, the Sleep Timer has priority.

system automatically turns off after the current disc stops or in 100 minutes.

The system offers two timer functions. If you use both

Use buttons on the remote to use the timer functions.

You can wake up to CD, tuner or iPod 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 23.

### **3** Set the play timer.

Press ♠/♣ 27 repeatedly to select "PLAY SET," and then press  $\oplus$  24.

"ON TIME" appears, and the hour indication flashes.

- **4** Set the time to start playback.
- Press ♠/♥ 27 repeatedly to set the hour, and then press (+) 24. The minute indication flashes. Use the procedure above to set the minutes. "OFF TIME" appears and the hour indication flashes in the display.
- **5** Use the same procedure as in step 4 to set the time to stop playback.
- **6** Select the sound source.

Press ♠/♣ 27 repeatedly until the desired sound source appears, and then press  $\oplus$  24. The display shows the timer settings.

7 Turn off the system.

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

Do not operate the system from the time the system turns on until the play starts.

## To check the setting

will not play

1 Press TIMER MENU 23.

- "SELECT" flashes in the display.
- 2 Press (+) 24.
- 3 Press ♠/♦ 27 repeatedly to select "PLAY SEL," and then press 🕀 24.

To cancel the timer

Repeat the same procedure as above until "OFF" appears in step 3, and then press  $\oplus$  24.

To change the setting Start over from step 1.

## Notes for the iPod user

• Make sure the iPod is not playing when using the Play Timer. • The Play Timer may not be activated depending on the status of the

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 the following items after "PROTECT" disappears.
- Are the + and speaker cords short-circuited? • Is anything blocking the ventilation holes on the back of the system?

After you have checked these above items and found to be all right, reconnect the power cord, and turn on the system. If the issue persists, contact your nearest Sony dealer.

### General

### The system does not turn on. • Is the power cord plugged in?

### There is no sound.

- Are the + and speaker cords short-circuited? • Are you using only the supplied speakers?
- Is anything blocking the ventilation holes on the back

### 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.
- Move the remote closer to the system.

## CD/MP3 player

may cause the sound to skip.

## 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

### Play does not start from the first track. • Return to Normal Play by pressing PLAY MODE 29

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.

# The disc tray does not open and "LOCKED"

 Contact your Sony dealer or local authorized Sony service facility. (MHC-EC99i and MHC-EC79i (Australian and UK models only))

## 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

## The remote does not function.

 Update your iPod with the latest software before using with this system.

- There is no sound.
- Make sure the iPod is connected securely.
- Make sure the iPod is playing music.
- Adjust the volume

### The sound is distorted.

- Turn down the volume.

• Set the "EQ" setting of the iPod to "Off" or "Flat."

### The iPod cannot be charged.

 Make sure the iPod is connected securely • Make sure the system is turned on. The iPod is charged

### "OVER CURRENT" appears.

interval.

only when the system is on.

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

### To change the AM tuning interval

The AM tuning interval is factory-preset to 9 kHz or Use buttons on the unit to change the AM tuning

- 1 Tune in any AM station, and then turn off the system
- **2** Press DISPLAY 20 to display the clock.
- 3 While holding down TUNING + 10, press I/ 1. All the AM preset stations are erased. To reset the interval to the factory preset, repeat the procedure.

### To improve tuner reception

Turn off iPod/CD player power by using the iPod/CD power management function. By default, iPod/CD power is turned on.

- 1 Press FUNCTION +/— repeatedly 3 (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 20 to display the clock and then press 1/ ( ) 1 while holding down  $\blacksquare$  9.

"iPod/CD PWR OFF" appears. With iPod/CD player power turned off, access time is increased. In addition when the TUNER function is selected, power is not supplied to the iPod, so it is not recognized and charged even if connected. To turn on iPod/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

- default settings. 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 stations, timer, and the clock, are deleted.

## When carrying this system

- 1 Remove a disc to protect the CD mechanism.
- 2 Press I/ (1) 1 on the unit to turn off the system and confirm that "STANDBY" stops flashing.
- **3** Unplug the power cord.

# Messages

**CANNOT LOCK:** The system cannot be locked after you have done the procedure of "When carrying this **COMPLETE:** The preset operation ended normally.

**LOCKED:** The disc tray does not open. Contact your nearest Sony dealer. (MHC-EC99i and MHC-EC79i

**FULL:** You tried to program more than 25 tracks or files

(Australian and UK models only)) **NO DISC :** There is no disc in the player, or you have loaded a disc that cannot be played

NO STEP: All of the programmed tracks have been

erased. **OVER:** You have reached the end of the disc while pressing **>>** 10 during playback or pause.

- **PROTECT:** The following causes can be considered: -Speaker cords may be short-circuited. -The ventilation holes may be blocked.
- See "If "PROTECT" appears on the display" to check what to do if this message appears.

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

**SET CLOCK:** You tried to select the timer when the clock

**SET TIMER:** You tried to select the timer when the Play

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

indicates

2 (two)

5 (five)

6 (six)

8 (eight)

0 (zero)

Α

D

G

Η

M

O

Q

Z

disc. Some buttons are not available

Timer is not set.

the same time.

Display

**Display examples** 

- Do not place the system in an inclined position or in **PUSH STOP:** You pressed PLAY MODE **29** during **READING:** The system is reading information of the
  - Be careful when placing the unit or speakers on
  - surfaces that have been specially treated (for example, with wax, oil, polish) as staining or discoloration of the surface may result.
  - 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.

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

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

### Cleaning the cabinet

AUDIO POWER SPECIFICATIONS

thinner, benzine, or alcohol. **Specifications** 

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

(MHC-EC99i, MHC-EC79i The United States model only With 8 ohm loads, both channels driven, from 120 – 10,000 Hz; rated 60 watts per channel minimum RMS power, with no more than 0.7% total harmonic distortion from 250 milliwatts to rated output.

With 8 ohm loads, both channels driven, from 2,000 – 13,000 Hz; rated 60 watts per channel minimum RMS power, with no more than 0.7% total harmonic distortion from 250 milliwatts to rated output. AUDIO POWER SPECIFICATIONS

### POWER OUTPUT AND TOTAL HARMONIC DISTORTION: MHC-EC69i The United States model only) With 6 ohm loads, both channels driven, from 120 – 10,000 Hz; 30 watts per channel minimum RMS power, with no more than 0.7% total harmonic distortion from 250 milliwatts to rated output

95 W + 95 W (per channel at 8  $\Omega$ , 8 kHz, 10% THD)

95 W + 95 W (per channel at 8  $\Omega$ , 1 kHz, 10% THD)

95 W + 95 W (per channel at 8  $\Omega$ , 8 kHz, 10% THD)

50 W + 50 W (per channel at 6  $\Omega$ , 1 kHz, 10% THD)

MHC-EC69i: 6  $\Omega$ SUBWOOFER OUT (MHC-EC99i only): impedance 4  $\Omega$ 

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

Other models: 87.5 - 108.0 MHz (50 kHz step

Tuning range North American model:  $530-1,710~\mathrm{kHz}$  (with  $10~\mathrm{kHz}$  tuning interval)

531 - 1,710 kHz (with 9 kHz tuning interval)

Australian model: 531 - 1,710 kHz (with 9 kHz tuning interval)

530 - 1,710 kHz (with 10 kHz tuning interval)

UK model: 531 - 1,602 kHz (with 9 kHz tuning interval)

System: Compact disc and digital audio system Laser Diode Properties

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

Outputs

PHONES (stereo mini jack): Accepts headphones with an impedance of 8  $\Omega$ 

objective lens surface on the Optical Pick-up Block with 7mm aperture

## Front Speake Low channel 95 W + 95 W (per channel at 8 $\Omega$ , 1 kHz, 10% THD)

MHC-EC79i

MHC-EC99i

RMS output power (ref 150 W (at 4 Ω, 80 Hz, 10% THD)

Inputs (except for MHC-EC69i)

or more SPEAKER: impedance MHC-EC99i/EC79i: 8  $\Omega$ 

Emission Duration: Continu

This output is the value measur

quency response: 20 Hz – 20 kH

FM stereo, FM/AM superheterodyne tuner

Intermediate frequency: 10.7 MHz

Signal-to-noise ratio: More than 90 dB

Dynamic range: More than 88 dB

AM loop antenna

FM tuner section

AM tuner section

CD player section

## • CD-R/CD-RW (audio data/MP3 files)

Discs that this system CANNOT play

**Precautions** 

Discs that this system CAN play

- CD-ROM • CD-R/CD-RW other than those recorded in music CD format or MP3 format conforming to ISO9660 Level 1/Level 2, Joliet
- CD-R/CD-RW recorded in multisession that have not ended by "closing the session" • CD-R/CD-RW of poor recording quality, CD-R/
- CD-RW that have scratches or are dirty, or CD-R/CD-RW recorded with an incompatible recording device • CD-R/CD-RW which is finalized incorrectly • Discs containing files other than MPEG 1 Audio Layer-
- Discs of non-standard shape (for example, heart, square, star)  $\bullet$  Discs that have adhesive tape, paper, or sticker attached
- Rental or used discs with attached seals where the glue extends beyond the seal Discs that have labels printed using ink that feels tacky

## when touched Notes on discs

direct sunlight.

3 (MP3) files

• Before playing, wipe the disc with a cleaning cloth from the center out to the edge.

- Do not clean discs with solvents, such as benzine thinner, or commercially available cleaners or antistatic spray intended for vinyl LPs. • Do not expose discs to direct sunlight or heat sources
- On safety • Completely disconnect the power cord (mains lead) from the wall outlet (mains) if it is not going to be used

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

for an extended period of time. When unplugging the unit, always grip the plug. Never pull the cord itself. • Should any solid object or liquid get into the system,

personnel before operating it again.

• AC power cord must be changed only at a qualified

unplug the system, and have it checked by qualified

## On placement

- locations that are extremely hot, cold, dusty, dirty, or humid or lacking adequate ventilation, or subject to vibration, direct sunlight or a bright light.
- - iPod touch 2nd generation

generation

(video)

iPod 5th

generation

(video)





iPod nano 4th

generation

(video)





generation

(color display)

Speaker unit Subwoofer: 130 mm, cone type

Tweeter: 40 mm, horn type Rated impedance High frequency: 8 Ω Low frequency: 8 Ω

Woofer: 130 mm, cone type

Mass: Approx. 2.0 kg Subwoofer (SS-WG99i) for MHC-EC99i only Speaker system: Subwoofer system, Bass reflex peaker unit Subwoofer: 200 mm, cone type

## General North American model: AC 120 V, 60 Hz

Australian model: AC 230 — 240 V, 50/60 Hz UK model: AC 230 V, 50/60 Hz

### (0.5 W at the Power Saving Mode) MHC-EC79i

MHC-EC99i

(0.5 W at the Power Saving Mode)

### (0.5 W at the Power Saving Mode) Dimensions (w/h/d) (excl. speakers):

# MHC-EC79i (Australian and UK models only)

Approx.  $200 \times 306 \times 305 \text{ mm}$ 

### Approx. 6.2 kg MHC-EC79i (Australian and UK models only Approx. 6.0 kg

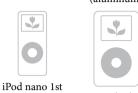
### MHC-EC79i (North American model only MHC-EC69i

• Standby power consumption: 0.5 W Halogenated flame retardants are not used in the certain printed



iPod touch 1st

generation



iPod 4th generation

# iPod mini

### iPod 4th generation

Front Speaker (SS-EC79) for MHC-EC99i/EC79i

Dimensions (w/h/d): Approx.  $220 \times 350 \times 215$  mm Mass: Approx. 3.2 kg Front Speaker (SS-EC69i) for MHC-EC69i

Tweeter: 40 mm, horn typ Rated impedance: 6  $\Omega$ Dimensions (w/h/d): Approx.  $190 \times 306 \times 185$  mm

### Rated impedance: 4 $\Omega$ ns (w/h/d): Approx. $280 \times 306 \times 305$ mm Mass: Approx. 5.3 kg

Power consumption

MHC-EC99i Approx.  $200 \times 311 \times 375 \text{ mm}$ 

### MHC-EC79i (North American model only) Approx. 200 × 306 × 375 mm

Mass (excl. speakers): MHC-EC99i

Supplied accessories: Remote Commander (1), R6 (Size AA) batteries (2) Design and specifications are subject to change without notice.