# SONY.

# Micro HI-FI **Component System**

GB Operating Instructions

# CMT-FX300i

# jisc

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# 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 like.

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.

#### CAUTION

The use of optical instruments with this product will increase eye hazard.

Except for customers in the U.S.A. and Canada

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

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



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.

This symbol is intended to alert the

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions 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.\_ Serial No.

#### 4-178-508-**11**(1)

#### 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

Note on DualDiscs

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

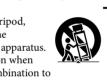
• iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

• 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. http://www.sony.net/

#### Important Safety Instructions

- 1) Read these instructions. 2) Keep these instructions.
- 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
- 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.

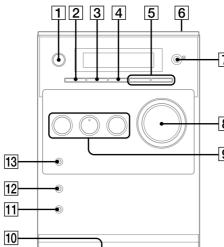
#### NOTE:

- 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 b 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 technician for help.

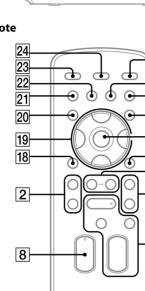
#### CAUTION

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

## Uni



# Remote



B AM loop antenna C To right speaker **(D)** To wall outlet

# **A** Antennas

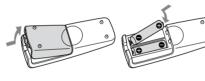
# **B** Speakers

C Power

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.

#### To use the remote

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



#### 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

#### When carrying this system

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

#### To set the clock

- **1** Press  $I/\bigcirc$  **1** to turn on the system.
- 2 Press TIMER MENU 16 to select the clock set mode. If "PLAY SET" flashes, press **↑**/**↓ 19** repeatedly to select "CLOCK," and then press  $\oplus$  (enter) **4**.
- 3 Press ↑/ 19 repeatedly to set the hour, then press **4** Use the same procedure to set the minutes.
- 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 24. The clock is displayed for about 8 seconds

#### Select Repeat l

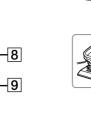
То

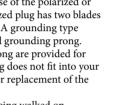
# To change the play mode

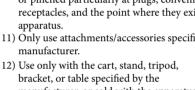
("PGM"). \* When playing a CD-DA (audio) disc, 🛅 (SHUF) Play performs the

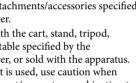
Note on Repeat Play playback.

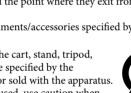
Note on shuffle play mode mode ("📛").

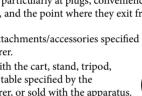




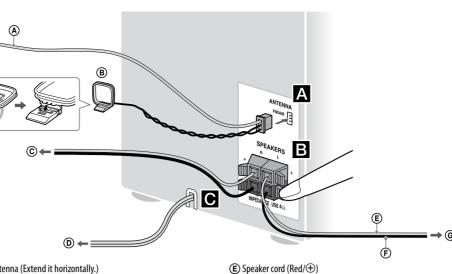








## **Getting Started**



A FM lead antenna (Extend it horizontally.)

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.

Insert only the stripped portion of the cord.

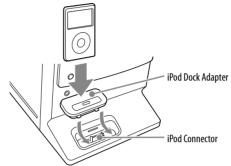
Connect the power cord to a wall outlet. If the plug does not fit the wall outlet, detach the supplied

plug adaptor (only for models equipped with an adaptor).

#### € Speaker cord (Black/⊖) G To left speaker

### To use the iPod

Insert an iPod Dock Adapter into the iPod Dock 10 before use



To remove the iPod Dock Adapter, pull it up with your fingernail or a flat object using the slot inside the adapter.

The iPod Dock Adapter is not supplied with the system. Use the adapter supplied with your iPod when using an iPod model. For details on the iPod Dock Adapters, refer to the instructions supplied with the iPod Dock Adapters

#### To connect an optional headphones

Notes on playing MP3 discs

• The maximum number of:

-MP3 files is 512.

the disc.

formation

• Folders that have no MP3 files are skipped

-folders is 255 (including the root folder).

Notes on playing multisession discs

-folder levels (the tree structure of files) is 8.

Connect headphones to the PHONES jack 11 on the unit.

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

•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.

· 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

• If the first session on the disc is a CD-DA session, the other session

on the disc cannot be recognized regardless of the session format;

following sessions are recorded in the same format, the system will

continue to play back MP3 files accordingly in multiple sessions until the system encounters another session recorded in a different

only CD-DA tracks in the first session can be played back.

• If the session format for the first session is CD-ROM and the

#### perations

### Playing a CD/MP3 disc

1 Select the CD function.

Press FUNCTION +/- 9 repeatedly. 2 Place a disc.

Press  $\triangleq$  PUSH OPEN/CLOSE **6** on the unit, and place a disc with the label side up on the CD compartment.

To close the CD compartment, press **A** PUSH OPEN/ CLOSE **6** on the unit.

3 Start playback.

Press **>** (play) **9**.

#### Other operations

То	Press
Pause playback	(pause) 9. To resume play, press
	the button again.
Stop playback	■ (stop) <b>9</b> .
Select a folder on an MP3 disc	$\Box$ (select folder) +/- 5
	repeatedly.
Select a track or	I (go back) 2/►► (go
file	forward) <b>3</b> .
Find a point in a	Hold down ◀◀ (rewind) 2/►►
track or file	(fast forward) <b>3</b> during playback,
	and release the button at the desired
	point.
Select Repeat Play	REPEAT 22 repeatedly until "REP"
	or "REP1" appears.

Press PLAY MODE 21 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

same operation as normal (SHUF) Play

"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 " HUF") is cleared and the play mode returns to normal play

### Listening to the radio

- 1 Select "TUNER FM" or "TUNER AM."
- Press FUNCTION +/- 9 repeatedly. **2** Perform tuning.

### For automatic scanning

Press TUNING MODE 21 repeatedly until "AUTO" appears, and then press +3/-2. 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 21 repeatedly until "MANUAL" appears, and then press + 3/-2repeatedly to tune in the desired station.

To reduce static noise on a weak FM stereo station, press FM MODE 22 repeatedly until "MONO" appears to turn off stereo reception

#### Presetting radio stations

- 1 Tune in the desired station.
- 2 Press TUNER MEMORY 20 to select the tuner memory mode.

- **3** Press + 3/-2 repeatedly to select the desired preset number If another station is already assigned to the selected
- preset number, the station is replaced by the new station
- 4 Press 🕀 👍 to store the station.
- 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 21 repeatedly until "PRESET" appears, and then press +3/-2 repeatedly to select the desired preset number

### Playing the iPod

- 1 Select the iPod function.
- Press FUNCTION +/- 9 repeatedly.
- 2 Place the iPod.
- 3 Start playback.
- Press ► 9.

#### To control the iPod

to control the iPod	
То	Press
Pause playback	∎/■ 9.
Scroll up/down the iPod menus	<b>★/↓</b> [19].
Select a track or chapter of audiobook/ podcast	<b>I◄2</b> / <b>▶I3</b> . To fast-forward or fast-rewind, hold down the button.
Choose the selected item	▶ 19/⊕ 4.
Find a point in a track or chapter of audiobook/ podcast	Hold down $\triangleleft 2 / \rightarrow 3$ during playback, and release the button at the desired point.
Return to the previous menu or select a menu	◆ 19/TOOL MENU 17/RETURN ♂♪ (return) 18.

#### To use the system as a battery charge 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 charge status appears in the iPod display. For details, see the user's guide of your iPod.

#### To stop charging the iPod

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

- $\bullet$  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
- Do not carry the unit with an iPod set on the connector. Doing so may cause a malfunction.
- 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.
- •Hold down H 2/ I 3 to fast-forward (fast-rewind) while playing video if 4 2/ 3 does not function
- To change the volume level, use VOLUME +/- 8. The volume level does not change even if adjusted on the iPod. • The iPod Dock 10 on the unit is designed for iPod only. You cannot
- connect any other portable audio players. • 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)

#### 1 Select the CD function.

- Press FUNCTION +/- 9 repeatedly. 2 Select the play mode.
- Press PLAY MODE 21 repeatedly until "PGM" appears while the player is stopped.
- **3** Select the desired track or file number. Press **A 2**/**D 3** repeatedly until the desired track or file number appears. When programming MP3 files, press  $\square +/- 5$ repeatedly to select the desired folder, and then select the desired file.

3.08

Selected track or file number Total playing time of the selected track or file

- 4 Program the selected track or file. Press  $\oplus$  **4** 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 ► 9. The program remains available until you open the CD compartment. To play the same program again, press  $\bigcirc$  9.

To cancel Program Play Press PLAY MODE 21 repeatedly until "PGM" disappears while the player is stopped.

To delete the last track or file of the program Press CLEAR 14 while the player is stopped

To view program information, such as total track number of the program Press DISPLAY 24 repeatedly.

#### Using optional audio components

1 Prepare the sound source.

- Connect additional audio component to the AUDIO IN jack 12 on the unit using an audio analog cord (not supplied).
- 2 Turn down the volume. Press VOLUME - 8.
- 3 Select the AUDIO IN function. Press FUNCTION +/- 9 repeatedly.

4 Start playback. Start playback of the connected component and adjust the volume.

The system may enter standby mode automatically if the volume evel of the connected component is too low. Adjust the componen volume accordingly. See "To turn off the automatic standby function."

#### Adjusting the sound

То	Press
Adjust the volume	VOLUME +/- 8.
Generate a more dynamic sound (Dynamic Sound Generator X-tra)	DSGX <b>13</b> on the unit.
Set the sound effect	EQ 15.

#### Changing the display

Press Change DISPLAY **24** repeatedly when the information on system is on the display\* DISPLAY **24** when the system is off. Check the clock The clock is displayed for 8 seconds. when the system

is 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 ("**오**") during normal play.

- -album or folder name (""") 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 MP3 disc.

#### Notes on the display information

• Characters that cannot be displayed appear as "\_". • 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 a single MP3 file).
- -up to 32 characters of ID3 tag information using uppercase letters (Å 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.

Sleep Timer: You can fall asleep to music. This function works even if the clock is not set. Press SLEEP 23 repeatedly. If you select "AUTO," the

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

#### Play Timer:

You can wake up to CD, FM/AM reception 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 +/- 8 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 16.
- 3 Set the play timer. Press **↑**/**↓ 19** repeatedly to select "PLAY SET," then
- press 🕀 🖪. **4** Set the time to start playback.
- Press 4/4 19 repeatedly to set the time, then press **4**
- **5** Use the same procedure as in step 4 to set the time to stop playback.
- 6 Select the sound source. Press **↑**/**↓ 19** repeatedly until the desired sound source appears, then press  $\oplus$  **4**.
- 7 Turn off the system.
- Press  $I/\bigcirc$  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 16.

- 2 Press ♠/♥ 19 repeatedly to select "SELECT," and then
- press 🕀 4 3 Press ♠/♥ 19 repeatedly to select "PLAY SEL," and then press (+) |4|

#### To cancel the timer

Repeat the same procedure as above until "OFF" appears in step 3, and then press  $\oplus$  **4**.

#### 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 connected iPod

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

### Troubleshooting

system?

Sony dealer.

unexpectedly.

There is no sound.

broadcast.

cord.

The system does not turn on.

the automatic standby function."

has been cancelled unexpectedly.

The system has entered standby mode

• This is not a malfunction. The system enters standby

mode automatically in about 30 minutes when there is

no operation or audio signal output. See "To turn off

The clock setting or the Play Timer operation

• If about a minute elapses with no operation, the clock

Perform the operation again from the beginning.

• Are the + and — speaker cords short-circuited?

• Are you using only the supplied speakers?

right volumes are unbalanced.

• Connect only the supplied speakers.

The remote does not function.

• Point the remote at the system's sensor.

• Move the remote closer to the system.

• Wipe the disc clean, and replace it.

example, on top of a stable stand).

may cause the sound to skip.

away from fluorescent lights.

CD/MP3 player

start playback;

can be added).

-a disc that has many folders.

Severe hum or noise.

setting or Play Timer setting is cancelled automatically.

• Is anything blocking the ventilation holes of the system?

• The specified station may have temporarily stopped

Sound comes from one channel, or the left and

• Install a noise filter (available separately) to the power

• Remove any obstacles between the remote and the

The sound skips, or the disc will not play.

Play does not start from the first track.

• Move the system to a location away from vibration (for

• Move the speakers away from the system, or place them

on separate stands. At high volume, speaker vibration

• Return to Normal Play by pressing PLAY MODE 21

repeatedly until both "PGM" and "SHUF" disappear.

Starting playback takes more time than usual.

• The following discs can increase the time it takes to

-a disc recorded with a complicated tree structure

-a disc that has not been finalized (a disc to which data

-a disc recorded in multisession mode.

remote sensor **7** on the unit, and position the unit

• Place the speakers as symmetrically as possible.

• Move the system away from sources of noise

• Connect the system to a different wall outlet.

• Is the power cord plugged in?

General

1 Make sure the power cord and speaker cords are correctly and firmly connected.

If "PROTECT" appears on the display

following items after "PROTECT" disappears.

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

- 2 Find your problem in the checklist below, and take
- the indicated corrective action.
- Turn down the volume If the issue persists, contact your nearest Sony dealer.

- Make sure the iPod is connected securely.
  - If not, update the iPod before using with the system.

 Make sure the iPod is connected securely. • You can use the system as a battery charger for iPod only when the system is on.

#### "PROTECT" appears.

• 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.

#### 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.

#### To change the AM tuning interval

The AM tuning interval is factory-preset to 9 kHz (or 10 kHz for some areas). Use buttons on the unit to change the AM tuning

- interval.
- **1** Tune in any AM station, and then turn off the system.
- 2 Press DISPLAY 24 to display the clock.
- 3 While holding down ►► 3, press 1/ () 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 CD player power by using the system's power management function. By default, CD player power is turned on. Use buttons on the unit to turn off the CD player power.

- 1 Press FUNCTION 9 repeatedly to select the CD function.
- **2** Press  $I/\bigcirc$  **1** to turn off the system.
- 3 After "STANDBY" stops flashing, press DISPLAY 24 to display the clock and then press  $I/\bigcirc 1$  while holding down **9**, until "CD POWER OFF" appears. With CD player power turned off, access time is increased. To turn on CD player power, repeat the procedure until "CD POWER 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 While holding down FUNCTION 9 and + 5, press 1/() 1
- All user-configured settings, such as preset radio stations, timer, and the clock, are deleted.

iPod

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

#### The remote does not function.

Immediately unplug the power cord, and check the • Make sure the iPod is updated with the latest software. • Are the + and - speaker cords short-circuited? • Is anything blocking the ventilation holes of the

#### The iPod cannot be charged.

#### To turn off the automatic standby function

This system is equipped with an automatic standby function. With this function, the system enters standby mode automatically in about 30 minutes when there is no operation or audio signal output.

- By default, the automatic standby function is turned on. Use buttons on the unit to turn off the automatic standby
- Hold down I/(1) while the system is on, until "AUTO. STBY OFF" appears.
- To turn on the function, repeat the procedure until "AUTO. STBY ON" appears.
- "AUTO STANDBY" lights up in the display when the automatic
- standby function is turned on. • The automatic standby function is invalid for the tuner functions (FM/AM), even when "AUTO STANDBY" lights up in the display
- The system may not enter standby mode automatically in the -when an audio signal is detected.
- -when an iPod is connected
- during playback of audio tracks or files. -while the preset Play Timer or Sleep Timer is in process.

### Messages

function

following cases;

erased

playback.

- FULL: You tried to program more than 25 tracks or files
- **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 NOT USED : You tried to perform a specific operation
- under conditions where that operation is prohibited. **OVER :** You have reached the end of the disc while pressing **>> 3** during playback or pause.
- PUSH STOP : You pressed PLAY MODE 21 during
- TIME NG : The Play Timer start and end times are set to the same time.

### Precautions

#### Discs that this system CAN play

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

#### Discs that this system CANNOT 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 3 (MP3) files
- Discs of non-standard shape (for example, heart, square, star)
- Discs that have adhesive tape, paper, or sticker attached to them
- 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

- 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 such as hot air ducts, nor leave it in a car parked in direct sunlight.

#### 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 unit, always grip the plug. Never pull the cord itself.
- Should any solid object or liquid get into the system, unplug the system, and have it checked by qualified personnel before operating it again.
- The AC power cord can be changed only by a qualified service facility.

#### On placement

- 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 vibration, direct sunlight or a bright light.
- 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 about an hour until the moisture evaporates.

#### On heat buildup

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

#### Cleaning the cabinet

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 thinner, benzine, or alcohol.

### Specifications

#### Main unit AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION: (The United States model only) With 4 ohm loads, both channels driven, from 120 – 15,000 Hz; rated 5 watts per channel minimum RMS power, with no more than 10% total harmoni distortion from 250 milliwatts to rated output.

#### Amplifier section

DIN power output (rated): 4 watts + 4 watts (4 ohms at 1 kHz, DIN) Continuous RMS power output (reference): 5 watts + 5 watts (4 ohms at 1 kHz 10% THD)

#### AUDIO IN (stereo mini jack): Sensitivity 550 mV, impedance 50 kilohms

PHONES (stereo mini jack): Accepts headphones with an impedance of 8 ohms or mor

#### SPEAKERS: Accepts impedance of 4 ohms CD player section

System: Compact disc and digital audio system Laser Diode Properties

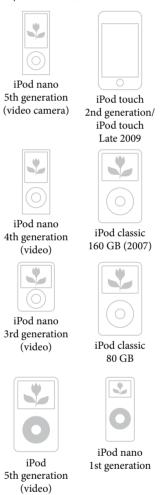
- Emission Duration: Continuou
- Laser Output\*: Less than 44.6μW \* This output is the value measurer nent at a distance of 200mm from the objective lens surface on the Optical Pick-up Block with 7mm aperture
- Frequency response: 20 Hz 20 kHzSignal-to-noise ratio: More than 90 dB

#### Dynamic range: More than 90 dB

- **Tuner** section FM stereo, FM/AM superheterodyne tuner
- FM tuner section
- Tuning range: North American model: 87.5 MHz 108.0 MHz (100 kHz step) Other models: 87.5 MHz - 108.0 MHz (50 kHz step) Antenna: FM lead antenna Intermediate frequency: 225 kHz
- AM tuner section:
- Tuning range North American model:
- 530 kHz 1,710 kHz (10 kHz step)
- 531 kHz 1,710 kHz (9 kHz step) Australian model: 531 kHz - 1,710 kHz (9 kHz step)
- 530 kHz 1,710 kHz (10 kHz ste
- Other models: 531 kHz 1,602 kHz (9 kHz step)
- 530 kHz 1,610 kHz (10 kHz step) Antenna: AM loop antenna

#### Intermediate frequency: 53 kHz iPod section

#### Compatible iPod model





iPod classic

120 GB

160 GB (2009)

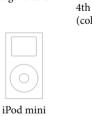
iPod touch



iPod nano 2nd generation (aluminum)



iPod 4th generation (color display)



iPod 4th generation

beaker system: Full range, 8 cm dia., cone type Rated impedance: 4 ohms Dimensions (W/H/D): Approx. 148 mm × 240 mm × 127 mm

#### Mass: Approx. 1.23 kg net per speaker General

- North American model: AC 120 V, 60 Hz
- Australian model: AC 230 V 240 V, 50/60 Hz Korean model: AC 220 V. 60 Hz
- hai model: AC 220 V, 50/60 Hz
- Taiwan model: AC 120 V, 50/60 Hz Other models: AC 220 V - 240 V, 50/60 Hz
- Power consumption: 25 watts Dimensions (W/H/D) (excl. speakers)
- Approx, 158 mm × 240 mm × 251.5 mm
- Mass (excl. speakers): Approx. 2.2 kg

Supplied accessories: Remote Commander (1), FM lead/AM loop antenna (1) Design and specifications are subject to change without notice.

#### • Standby power consumption: 0.5 W

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