

Micro HI-FI Component System

Operating Instructions

CMT-FX300i



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<http://www.sony.net/>

WARNING

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 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.

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

CAUTION

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



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

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 product.

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.

On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbols for mercury (Hg) or lead (Pb) are added if the battery contains more than 0.0005% mercury or 0.004% lead.

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.

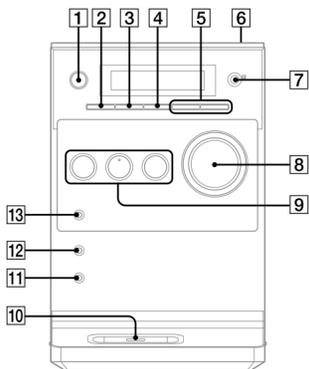
Music discs encoded with copyright protection technologies

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.

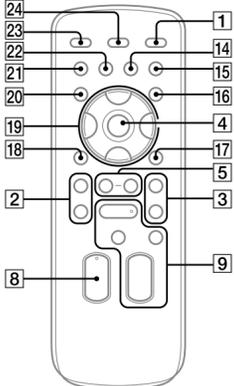
License and Trademark Notice

- 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, ™ and ® marks are not specified.

Unit



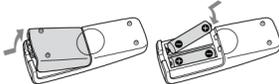
Remote



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 names.

To use the remote

Slide and remove the battery compartment lid, and insert the two R6 (size AA) batteries (not supplied). ● 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 batteries.
- 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/⏻ (power) 1 on the unit to turn off the system and confirm that "STANDBY" stops flashing.
- 3 Unplug the power cord.

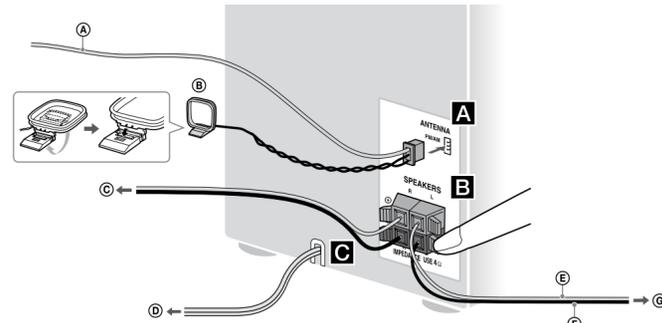
To set the clock

- 1 Press I/⏻ 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 ⏻ (enter) 4.
- 3 Press ▲/▼ 19 repeatedly to set the hour, then press ⏻ 4.
- 4 Use the same procedure to set the minutes.

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

To display the clock when the system is off
Press DISPLAY 24. The clock is displayed for about 8 seconds.

Getting Started



- Ⓐ FM lead antenna (Extend it horizontally.)
- Ⓑ AM loop antenna
- Ⓒ To right speaker
- Ⓓ To wall outlet

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.

Speakers

Insert only the stripped portion of the cord.

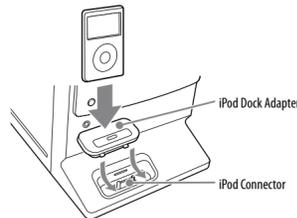
Power

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).

- Ⓔ Speaker cord (Red/⊕)
- Ⓕ Speaker cord (Black/⊖)
- Ⓖ 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.

Note
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

Connect headphones to the PHONES jack 11 on the unit.

Operations

Playing a CD/MP3 disc

- 1 Select the CD function.
Press FUNCTION +/- 9 repeatedly.
- 2 Place a disc.
Press ▲ 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 ▲ PUSH OPEN/CLOSE 6 on the unit.
- 3 Start playback.
Press ► (play) 9.

Other operations

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

To change the play mode

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 ("PGM").

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

Note on Repeat Play

"REPI" indicates that a single track or file is repeated until you stop playback.

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 ("□").

- 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 disc.
- The system can only play MP3 files that have a file extension of ".mp3".
- 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).
 - MP3 files is 512.
 - 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 at all.

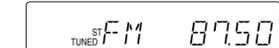
- Notes on playing multisection discs
 - If the first session on the disc is a CD-DA session, the other sessions on the disc cannot be recognized regardless of the session format; only CD-DA tracks in the first session can be played back.
 - If the session format for the first session is CD-ROM and the following sessions are recorded in the same format, the system will continue to play back MP3 files accordingly in multiple sessions until the system encounters another session recorded in a different format.

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 ■ 9 to stop scanning, then perform manual tuning (below).

When you tune in a station that provides RDS services, the station name appears on the display.

For manual tuning

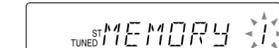
Press TUNING MODE 21 repeatedly until "MANUAL" appears, and then press + 3/- 2 repeatedly to tune in the desired station.

Tip

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 ⏻ 4 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	Press
Pause playback	⏏ 9.
Scroll up/down the iPod menus	⬆/⬇ 19.
Select a track or chapter of audiobook/podcast	◀◀ 2/▶▶ 3. 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 ◀◀ 2/▶▶ 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 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 charge status appears in the iPod display. For details, see the user's guide of your iPod.

To stop charging the iPod

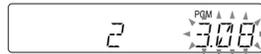
Remove the iPod. Turning off the system also stops charging the iPod.

Notes

- 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 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 ◀◀ 2/▶▶ 3 to fast-forward (fast-rewind) while playing video if ◀◀ 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 ◀◀ 2/▶▶ 3 repeatedly until the desired track or file number appears.
When programming MP3 files, press □ +/- 5 repeatedly to select the desired folder, and then select the desired file.



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

- 4 Program the selected track or file.
Press ⏻ 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 ► 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

- Prepare the sound source.
 - Connect additional audio component to the AUDIO IN jack ^{[?} on the unit using an audio analog cord (not supplied).
- Turn down the volume.
 - Press VOLUME ← ^{[?}.
- Select the AUDIO IN function.
 - Press FUNCTION +/- ^{[?} repeatedly.
- Start playback.
 - Start playback of the connected component and adjust the volume.

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

Adjusting the sound

To	Press
Adjust the volume	VOLUME +/- ^{[?} .
Generate a more dynamic sound (Dynamic Sound Generator X-tra)	DSGX ^{[?} on the unit.
Set the sound effect	EQ ^{[?} .

Changing the display

To	Press
Change information on the display*	DISPLAY ^{[?} repeatedly when the information on the display* is on.
Check the clock is off	DISPLAY ^{[?} when the system is off. The clock is displayed for 8 seconds.

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

- track or file number during normal play.
- track or file name ("A") during normal play.
- artist name ("A") 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 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 bit rate).
 - 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 (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.

Sleep Timer:

You can fall asleep to music. This function works even if the clock is not set. Press SLEEP ^{[?} 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.

- Prepare the sound source.
 - Prepare the sound source, and then press VOLUME +/- ^{[?} to adjust the volume.
 - To start from a specific CD track or audio file, create your own program.
- Select the timer set mode.
 - Press TIMER MENU ^{[?}.
- Set the play timer.
 - Press ^[?] ^[?] repeatedly to select "PLAY SET," then press ^[?] ^[4].
- Set the time to start playback.
 - Press ^[?] ^[?] repeatedly to set the time, then press ^[?] ^[4].
- Use the same procedure as in step 4 to set the time to stop playback.
- Select the sound source.
 - Press ^[?] ^[?] repeatedly until the desired sound source appears, then press ^[?] ^[4].
- 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 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 ^{[?} .
2 Press ^[?] ^[?] repeatedly to select "SELECT," and then press ^[?] ^[4] .
3 Press ^[?] ^[?] 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 ^[?] ^[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.

Tip

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

Troubleshooting

- Make sure the power cord and speaker cords are correctly and firmly connected.
- 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. <ul style="list-style-type: none">•Are the + and − speaker cords short-circuited? •Is anything blocking the ventilation holes of the system? •Is the iPod connector ^{[?} short-circuited? 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?

The system has entered standby mode unexpectedly.

- 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 automatic standby function."

The clock setting or the Play Timer operation has been cancelled unexpectedly.

- If about a minute elapses with no operation, the clock setting or Play Timer setting is cancelled automatically. Perform the operation again from the beginning.

There is no sound.

- Are the + and − speaker cords short-circuited?
- Are you using only the supplied speakers?
- Is anything blocking the ventilation holes of the system?
- The specified station may have temporarily stopped broadcast.

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 cord.

The remote does not function.

- Remove any obstacles between the remote and the remote sensor ^{[?} 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

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 ^{[?} 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.

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.

- Make sure the iPod is connected securely.
- Turn down the volume.
- Set the "EQ" setting of the iPod to "Off" or "Flat."

The iPod does not function.

- Make sure the iPod is connected securely.
- Make sure the iPod is updated with the latest software. If not, update the iPod before using with the system.
- Because the operation of the system and the iPod are different, you may not operate the iPod using buttons on the remote or unit. In this case, use the control buttons on the iPod.

The iPod cannot be charged.

- 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.

Several radio stations can be heard at the same time.

- Find a location and an orientation that provide good reception, and then set up the antenna again.
- Bundle the antenna cables using commercially available cord clips, for example, and adjust the cable lengths.

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.

- Press FUNCTION ^{[?} repeatedly to select the CD function.
- Press I/⏏ ^[1] to turn off the system.
- After “STANDBY” stops flashing, press DISPLAY ^{[?} to display the clock, and then press I/⏏ ^[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.

- Disconnect and reconnect the power cord, and then turn on the system.
- While holding down FUNCTION ^{[?} and ^[?] + ^[5], press I/⏏ ^[1].
 - All user-configured settings, such as preset radio stations, timer, and the clock, are deleted.

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 function.

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.

Notes

- “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 following cases;
 - 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

FULL : You tried to program more than 25 tracks or files (steps).

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.

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 ^[?] during playback or pause.

PUSH STOP : You pressed PLAY MODE ^[?] during playback.

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 anti-static 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 pads, scouring powder, or solvents, such as thinner, benzine, or alcohol.

Specifications

Main unit
Amplifier section <p>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) Music power output (reference): 9 watts + 9 watts</p>
Input <p>AUDIO IN (stereo mini jack): Sensitivity 550 mV, impedance 50 kilohms</p>
Outputs <p>PHONES (stereo mini jack): Accepts headphones with an impedance of 8 ohms or more SPEAKERS: Accepts impedance of 4 ohms</p>
CD player section <p>System: Compact disc and digital audio system Laser Diode Properties Emission Duration: Continuous Laser Output*: Less than 44.6μW * This output is the value measurement at a distance of 200mm from the objective lens surface on the Optical Pick-up Block with 7mm aperture. Frequency response: 20 Hz – 20 kHz Signal-to-noise ratio: More than 90 dB Dynamic range: More than 90 dB</p>
Tuner section <p>FM stereo, FM/AM superheterodyne tuner FM tuner section: Tuning range: 87.5 MHz – 108.0 MHz (50 kHz step) Antenna: FM lead antenna Intermediate frequency: 225 kHz</p>
AM tuner section: <p>Tuning range: 531 kHz – 1,602 kHz (9 kHz step) Antenna: AM loop antenna Intermediate frequency: 53 kHz</p>
iPod section <p>Compatible iPod models:</p>

		
iPod nano 5th generation (video camera)	iPod touch 2nd generation/iPod touch Late 2009	iPod classic 120 GB 160 GB (2009)
		
iPod nano 4th generation (video)	iPod classic 160 GB (2007)	iPod touch 1st generation
		
iPod nano 3rd generation (video)	iPod classic 80 GB	iPod nano 2nd generation (aluminum)
		
iPod 5th generation (video)	iPod nano 1st generation	iPod 4th generation (color display)
		
iPod 4th generation	iPod mini	

Speaker <p>Speaker 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</p>
General <p>Power requirements: AC 230 V, 50/60 Hz Power consumption: 28 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)</p>

Design and specifications are subject to change without notice.

<ul style="list-style-type: none">•Standby power consumption: 0.5 W •Halogenated flame retardants are not used in the certain printed wiring boards.
