Micro HI-FI
Component System

CMT-V50iP

http://www.sony.net/

COMPACT DISC DIGITAL AUDIO

S-master Digital Amplifier

Made for
☐ iPod ☐ iPhone ☐ iPad

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 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.

The nameplate is located on the bottom exterior of the unit.

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

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

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

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

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.

Notice for the customers in the U.S.A.
The dating code and the nameplate are located on the bottom exterior of the unit.

Owner's Record
The model and serial numbers are located on the bottom exterior 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. _____

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 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.

For customers in Europe and Australia

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

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
• iPhone®, iPod®, iPod classic®, iPod nano®, and iPod touch® are trademarks of Apple Inc., registered in the U.S. and other countries. iPad® is a trademark of Apple Inc.
• MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.
• Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.
• This product is protected by certain intellectual property rights of Microsoft Corporation. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft or an authorized Microsoft subsidiary.
• All other trademarks and registered trademarks are of their respective holders. In this manual, ™ and ® marks are not specified.
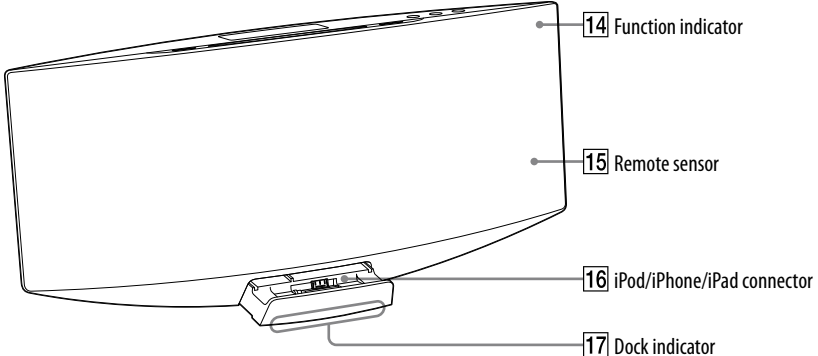

Location of Controls

Unit (Top)
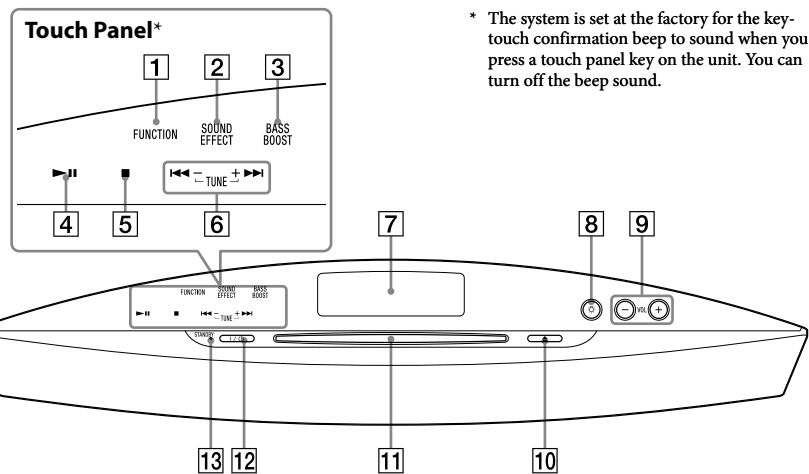
Touch Panel*

① ② ③

FUNCTION   SOUND EFFECT   BASS BOOST

④ ⑤ ⑥   ▶▌◀ ◀◀ TUNE ▶▶   ⑦   ⑧ ⑨

* The system is set at the factory for the key-touch confirmation beep to sound when you press a touch panel key on the unit. You can turn off the beep sound.

⑬ ⑫   ⑪   ⑩

⑦ Display
⑪ Disc slot

Unit (Front)

⑭ Function indicator
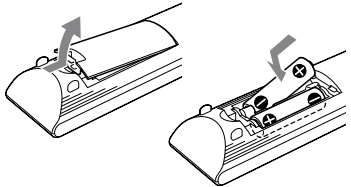⑮ Remote sensor
⑯ iPod/iPhone/iPad connector
⑰ Dock indicator

About the function indicator ⑭
The function indicator lights in different colors according to the function. You can tell the current function by the color of the indicator.
The indicator color of each function is same color as that of the corresponding FUNCTION button on the remote.

Function	Button on the remote	Indicator color
FM	FM	Pink
AM	AM	Sky blue
AUDIO IN	AUDIO IN	Amber
CD	CD	Yellow
iPod	iPod	White

Remote

② ③ ㉗   BASS BOOST SOUND EFFECT I/⏻   ⑫
SLEEP TIMER MENU   ⑱
1 2 3   TUNER MEMORY NUMBER   ①
4 5 6   ⑧
FM AM AUDIO IN   ⑲
CD iPod   ㉑
㉖ TUNER MEMORY PLAY MODE/TUNING MODE REPEAT/FM MODE   ⑳
⑳
㉕ VOLUME   ㉑
㉔ TOOL MENU   ㉒
⑥ RETURN CLEAR   ⑥
㉓ SHIFT   ④
⑤

⑧ ☼ (Illumination) button
Turn ON/OFF the dock indicator ⑰.

• 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.
• The function indicated by pink on the remote can be activated using SHIFT ㉓. If you want to operate the function indicated by pink, press and hold SHIFT ㉓ and press the button of the function indicated by pink. If you press the button without holding the SHIFT ㉓ pressed the system activates the function indicated by white.
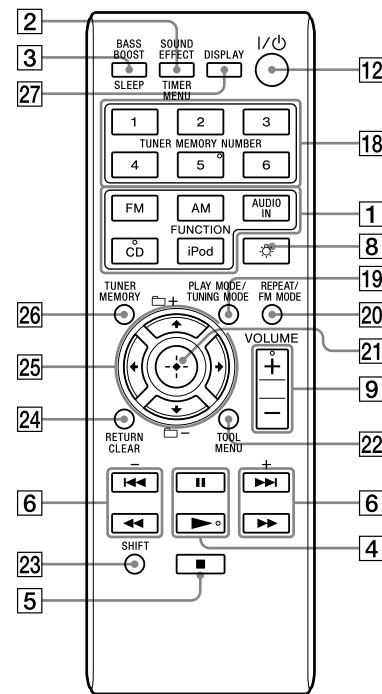
To use the remote
Slide and remove the battery compartment lid, and insert the two supplied R6 (size AA) batteries, ⊖ side first, matching the polarities shown below.

Notes on using the remote
• With normal use, the batteries should last for about 6 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.

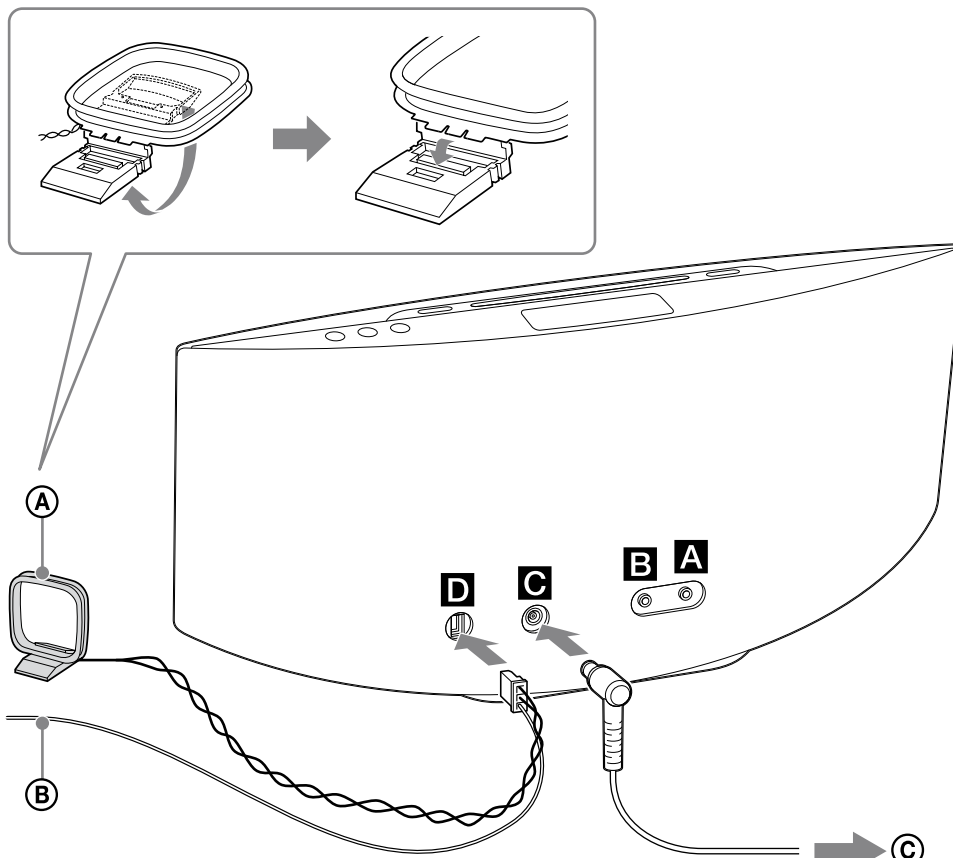## Getting Started

Ⓐ AM loop antenna
Ⓑ FM lead antenna (Extend it horizontally.)
Ⓒ To AC Adapter

Ⓐ ∩ (phones) jack
Connect the headphones.

Ⓑ AUDIO IN jack
Connect an optional audio component.

Ⓒ Power (DC IN 19.5 V)
1 Connect the power cord to the AC adapter.
2 Connect the AC adapter to the unit, and then plug the power cord in to a wall outlet.

Ⓓ Antennas
Find a location and an orientation that provide good reception, and then set up the antennas.
Keep the antennas away from the power cord to avoid picking up noise.

To use the iPod/iPhone/iPad
1 Open the dock by pushing the center of the dock.

Dock

2 Place the iPod/iPhone/iPad.
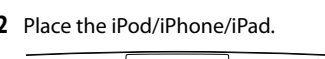
Note
Be careful not to drop the unit when disconnecting an iPod/iPhone/iPad from the iPod/iPhone/iPad connector.

Attaching a protective cushion
Attach the supplied protective cushion to avoid contact of an iPod/iPhone/iPad with the front panel of the system. You can protect against scratching the front panel and your iPod/iPhone/iPad by attaching the supplied protective cushion.

Protective cushion

Adjust the attaching position of the protective cushion to suit to your iPod/iPhone/iPad.

Setting the clock
1 Press I/⏻ ⑫ to turn on the system.
2 Press and hold SHIFT ㉓ and TIMER MENU ② to select the clock set mode.
   If "PLAY SET" flashes, press ♦/♦ ㉕ repeatedly to select "CLOCK," and then press ⊕ (enter) ㉑.
3 Press ♦/♦ ㉕ repeatedly to set the hour, then press ⊕ (enter) ㉑.
4 Use the same procedure to set the minutes.

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

To display the clock when the system is off
Press DISPLAY ㉗. The clock is displayed for about 8 seconds.

Insert a disc with the label side facing forward.

Operations

Playing a CD/MP3 disc

1 Select the CD function.
   Press CD FUNCTION ① on the remote or press FUNCTION ① on the unit repeatedly.
   The function indicator lights in yellow.
2 Insert a disc.
   Insert a disc in the disc slot with the label side facing forward.

Insert a disc with the label side facing forward.

▲ Eject a disc
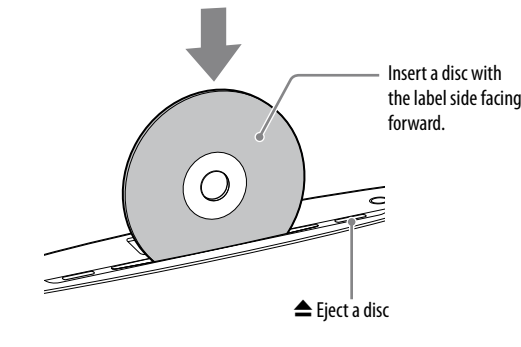
Playback starts automatically after "READING" disappear.

When you changing from another function to the CD function while a disc is already inserted in the disc slot, press ▶ ④ on the remote or press ▶▌◀ ④ on the unit to start playback.

Notes
• When you turn on the system, the disc will not be pulled into the disc slot until "NO DISC" appears in the display. Do not attempt to push in the disc until "NO DISC" appears.
• If you cannot insert the disc into the disc slot even when "NO DISC" appears in the display, there may already be a disc in the slot. Press and hold down ▲ ⑩ to eject such a disc forcibly. If even the system does not then eject the disc, contact your nearest Sony dealer.
• If you cannot eject the disc and "LOCKED" appears in the display, contact your nearest Sony dealer.
• Do not insert a disc with non-standard shapes (e.g., heart, square, star). The disc may fall into the system and cause irreparable damage.
• When pressing ▲ ⑩ on the unit and then reinserting the disc that appears in the disc slot, do not simply push in the disc. Remove the disc from the disc slot and then reinsert it.
• Do not turn off the system with a disc halfway inserted in the disc slot. Doing so may cause the disc to fall.
• Do not use a disc with tape, seals or paste on it as this may cause malfunction.
• When you eject a disc, handle the disc by its edge. Do not touch the surface.
• Do not insert an 8 cm disc with an adapter. Doing so may cause the system to malfunction.

Other operations

To	Press
Pause playback	▌▌④ (or ▶▌◀ ④ on the unit). To resume play, press the button again.
Stop playback	▌ ⑤.
Select a folder on an MP3 disc	☐ +/− ㉕.
Select a track or file	◀◀/▶▶ ⑥.
Find a point in a track or file	Hold down ◀◀/▶▶ ⑥ (or ◀◀/▶▶ ⑥ on the unit) during playback, and release the button at the desired point.
Select Repeat Play	REPEAT ⑳ repeatedly until "↻" or "↻1" appears.
Eject a disc	▲ ⑩ on the unit.

To change the play mode
Press PLAY MODE ⑲ repeatedly while the player is stopped. You can select Normal Play mode ("FLDR" for all MP3 files in the folder on the disc), Shuffle Play mode ("SHUF" or "FLDR SHUF*" for folder shuffle), or Program Play mode ("PGM").
* When playing a CD-DA (audio) disc, FLDR or FLDR SHUF Play performs the same operation as Normal or SHUF Play.

Notes on Repeat Play
• "↻" indicates that all tracks or files will be repeated until you stop playback.
• "↻1" indicates that a single track or file will be repeated until you stop playback.

Notes on Shuffle Play mode
• When Shuffle Play mode is set to "SHUF," the system shuffle-plays all tracks or files on the disc. When Shuffle Play mode is set to "FLDR SHUF," the system shuffle-plays all tracks or files in selected folder.
• When you turn off the system, the selected Shuffle Play mode ("SHUF" or "FLDR SHUF") is cleared and the play mode returns to Normal or FLDR 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.
• 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 system may malfunction.
• The maximum number of:
  −999* folders (including the root folder)
  −999 MP3 files
  −250 MP3 files in a single folder
  −8 folder levels (in the tree structure of files)
• 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.
* This include folders that have no MP3 or other files. The number of folders that the system can recognize may be less than actual number of folders, depending on the folder structure.

Creating your own program (Program Play)

1 Select the CD function.
   Press CD FUNCTION ① on the remote or press FUNCTION ① on the unit repeatedly.
   The function indicator lights in yellow.
2 Select the play mode.
   Press PLAY MODE ⑲ repeatedly until "PGM" appears while the player is stopped.
3 Select a folder (MP3 disc only).
   Press ☐ +/− ㉕ repeatedly to select the desired folder. If you want to program all files in the folder, press ⊕ ㉑.
4 Select the desired track or file number.
   Press ◀◀/▶▶ ⑥ repeatedly until the desired track or file number appears.
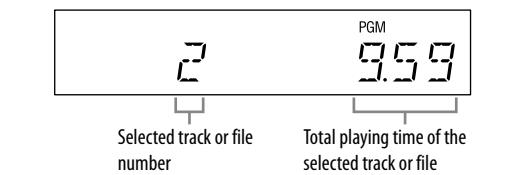
PGM

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

5 Program the selected track or file.
   Press ⊕ ㉑ to enter the selected track or file.
   "--:--" appears when the total playing time exceeds 100 minutes for an CD or when you program an MP3 files.
6 Repeat steps 3 through 5 to program additional tracks or files, up to a total of 25 tracks or files.
7 To play your program of tracks or files, press ▶ ④ (or ▶▌◀ ④ on the unit).
   The program remains available until you remove the disc from the disc slot ⑪ or unplug the power cord.
   To play the same program again, press ▶ ④ (or ▶▌◀ ④ on the unit).

To cancel Program Play
Press PLAY MODE ⑲ repeatedly until "PGM" disappears while the player is stopped.

To delete the last track or file of the program
Press and hold SHIFT ㉓ and CLEAR ㉔ while the player is stopped.

Listening to the radio

1 Select the TUNER function.
   Press FM or AM FUNCTION ① on the remote or press FUNCTION ① on the unit repeatedly.
   The function indicator lights in pink (FM) or sky blue (AM).
2 Perform tuning.

For automatic scanning
Press TUNING MODE ⑲ repeatedly until "AUTO" appears, and then press +/− ⑥. Scanning stops automatically when a station is tuned in, and "TUNED" and "STEREO" (for stereo programs only) light up in the display.

STEREO TUNED
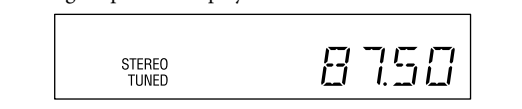
If "TUNED" does not light up and the scanning does not stop, press ▌ ⑤ to stop scanning, then perform manual tuning (below).
When you tune in a station that provides RDS services, information such as the service name or station name is provided by broadcasts.

For manual tuning
Press TUNING MODE ⑲ repeatedly until "MANUAL" appears, and then press +/− ⑥ repeatedly to tune in the desired station.

Tip
To reduce static noise on a weak FM stereo station, press FM MODE ⑳ repeatedly until "MONO" appears to turn off stereo reception.

To change the AM tuning interval
The default setting for AM tuning interval is 9 kHz (or 10 kHz for some areas). Use the buttons on the unit to perform this operation.

1 Press AM FUNCTION ① on the remote or press FUNCTION ① on the unit repeatedly to select the AM station.
2 Press I/⏻ ⑫ to turn off the system.
3 Press and hold VOL + ⑨ and press I/⏻ ⑫ on the unit.
   "STEP 9K" or "STEP 10K" appears in the display.
   When you change the interval, all the AM preset stations are erased.

Presetting radio stations

1 Tune in the desired station.
2 Press TUNER MEMORY ㉖ to select the tuner memory mode.

Preset number

STEREO TUNED   MEMORY 1

3 Press +/− ⑥ 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 ① 21 to register the station.

5 Repeat steps 1 through 4 to register other stations.

You can preset up to 20 FM and 10 AM stations.

To tune in to a preset radio station
If you registered a radio station to a preset number 1 to 6, the radio station will be tuned in by just pressing the TUNER MEMORY NUMBER (1 to 6) 18 when the system function is set to AM or FM.

If you registered a radio station to a preset number 7 or higher, press TUNING MODE 19 repeatedly until "PRESET" appears then press +/– 6 repeatedly to select the desired preset number.

Playing the iPod/iPhone/iPad

1 Select the iPod function.
Press iPod FUNCTION 1 on the remote or press FUNCTION 1 on the unit repeatedly.
The function indicator lights in white.

2 Place the iPod/iPhone/iPad.

3 Start playback.
Press ► 4 on the remote or press ►II 4 on the unit.

To control the iPod/iPhone/iPad

To	Press
Pause playback	II 4 /■ 5.
Select a track or chapter of audiobook/podcast	I◄◄/►►I 6. To fast-forward or fast-rewind, hold down the button.
Find a point in a track or chapter of audiobook/podcast	Hold down ◄◄/►► 6 during playback, and release the button at the desired point.
Choose the selected item	① 21.
Scroll up/down the iPod menus	♦/♦ 25.
Return to the previous menu or select a menu	TOOL MENU 22/RETURN 24.

To use the system as a battery charger

You can use the system as a battery charger for an iPod/iPhone/iPad whether the system is on or off.
To see whether charging is operating or not, check the battery icon on the iPod/iPhone/iPad display. Check the "iPod/iPhone/iPad section" of the "Specifications" for a list of iPod/iPhone/iPad models compatible with this system.

To stop charging an iPod/iPhone/iPad

Remove the iPod/iPhone/iPad.

Note on charging an iPod/iPhone/iPad
If you press DISPLAY 27 while charging when the system off, the system stops charging an iPod/iPhone/iPad. To restart charging of an iPod/iPhone/iPad, reconnect the iPod/iPhone/iPad when the display mode is Power Saving mode.

Notes
- The performance of the system may be vary, depending on the specifications of your iPod/iPhone/iPad.
- When placing or removing the iPod/iPhone/iPad, handle the iPod/iPhone/iPad in the same angle as that of the iPod/iPhone/iPad connector on the unit and do not twist or sway the iPod/iPhone/iPad to prevent connector damage.
- Do not carry the system with an iPod/iPhone/iPad set on the connector. Doing so may cause a malfunction.
- When placing or removing the iPod/iPhone/iPad, brace the system with one hand and take care not to press the controls of the iPod/iPhone/iPad by mistake.
- To change the volume level, use VOLUME +/– 9. The volume level does not change if you adjust it on the iPod/iPhone/iPad.
- To use an iPod/iPhone/iPad, refer to the user's guide of your iPod/iPhone/iPad.
- Sony cannot accept responsibility in the event that data recorded to iPod/iPhone/iPad is lost or damaged when using an iPod/iPhone/iPad with this system.

Using optional audio components

1 Prepare the sound source.
Connect additional audio component to the AUDIO IN jack B on the unit using an audio analog cord (not supplied).

2 Turn down the volume.
Press VOLUME – 9.

3 Select the AUDIO IN function.
Press AUDIO IN FUNCTION 1 on the remote or press FUNCTION 1 on the unit repeatedly.
The function indicator lights in amber.

4 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 +/– 9.
Generate a more dynamic sound	BASS BOOST 3.
Set the sound effect	SOUND EFFECT 2 repeatedly until desired sound effect is displayed.

Changing the display

To	Press
Change information on the display[1]	DISPLAY 27 repeatedly when the system is on.
Change Display mode (see below.)	DISPLAY 27 repeatedly when the system is off.[2]

[1] For example, you can view CD/MP3 disc information, such as:

CD-DA disc
—remaining playing time of a track during playback
—total remaining playing time

MP3 disc
—track or file name (♫)
—artist name (♪)
—album name (□)

[2] The STANDBY indicator 13 on the unit lights up when the system is off.

The system offers the following display modes.

Display mode	When the system is off[1]
Power Saving mode[2]	The display is turned off to conserve power. The timer and clock continue to operate.
Clock[3]	The clock is displayed.

[1] The STANDBY indicator 13 on the unit lights up when the system is off.
[2] You cannot set the clock in Power Saving mode.
[3] The clock display automatically turns to Power Saving mode after 8 seconds.

Notes on the display information
- Characters that cannot be displayed appear as "_."
- The following are not displayed:
  —total playing time for an MP3 disc.
  —total remaining 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:
  —total playing time for a CD-DA disc (except when PGM mode is selected and the program is stopped).
  —remaining playing time for a track of CD-DA disc.
  —remaining playing time for a CD-DA disc (only when Normal Play mode is selected during playback).
  —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 64 characters for an ID3 tag, where characters allowed are uppercase letters (A to Z), numbers (0 to 9), and symbols (` $ % ' ( ) * + , - . / < = > @ [ \ ] _ ` { | } ! ? ^ ~).

Using the timers

The system offers 2 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 and hold SHIFT 23 and press SLEEP 3 repeatedly. With each press of SLEEP 3 with SHIFT 23 held pressed, the setting time is decreased by 10 minutes, from a maximum of 90 minutes to minimum of 10 minutes.
To cancel the Sleep Timer, select "OFF."

Play Timer:
You can wake up to CD, FM/AM reception, or iPod/iPhone/iPad at a preset time. Make sure you have set the clock.

1 Prepare the sound source.
Prepare the sound source, and then press VOLUME +/– 9 to adjust the volume.
To start from a specific CD track, audio file, and radio station create your own program.

2 Select the timer set mode.
Press and hold SHIFT 23 and TIMER MENU 2.

3 Set the play timer.
Press ♦/♦ 25 repeatedly to select "PLAY SET," then press ① 21.

4 Set the time to start playback.
Press ♦/♦ 25 repeatedly to set the hour, then press ① 21. Use the procedure above to set the minutes.

5 Use the same procedure as in step 4 to set the time to stop playback.

6 Select the sound source.
Press ♦/♦ 25 repeatedly until the desired sound source appears, then press ① 21.

7 Turn off the system.
Press I/⏻ 12. The system automatically turns on 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.
If the sound source is set to an FM/AM station for a timer, the system automatically turns on 15 seconds before the preset time. If the sound source is set to CD, the system automatically turns on 90 seconds before the preset time. If the sound source is set to iPod/iPhone/iPad, the system automatically turns on 30 seconds before the preset time.

To check the setting
1 Press and hold SHIFT 23 and TIMER MENU 2.
2 Press ♦/♦ 25 repeatedly to select "SELECT," and then press ① 21.
3 Press ♦/♦ 25 repeatedly to select "PLAY SEL," and then press ① 21.

To cancel the timer
Repeat the same procedure as above until "OFF" appears in step 3, and then press ① 21.

To change the setting

Start over from step 1.

Notes
- When the sound source of a Play Timer is set to an FM/AM radio station tuned from a preset radio station, the radio station tuning for the Play Timer is fixed at what you set for it. Even if you change the radio station after setting the Play Timer, the radio station setting for the Play Timer will not change.
- When the sound source of a Play Timer is set to an FM/AM station that you set using auto tuning or manual tuning, if you change the radio station after setting the Play Timer, the radio station setting for the Play Timer also will be changed.

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

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

Troubleshooting

1 Make sure the power cord is 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 the STANDBY indicator flashes
Immediately unplug the power cord, and check the following items.
- Is anything blocking the ventilation holes of the system?
- Is the iPod/iPhone/iPad connector 16 short-circuited?
After the STANDBY indicator 13 stops flashing, 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 correctly?

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.
- Press VOLUME + 9 to turn up the volume.
- Make sure the headphone is not connected to the ⌂ (phones) jack A.
- Make sure additional audio components are connected correctly.
- Make sure the function is set to AUDIO IN.
- Is anything blocking the ventilation holes of the system?
- The specified station may have temporarily stopped broadcast.

Severe hum or noise.
- Move the system away from sources of noise.
- Connect the system to a different wall outlet.
- Install a noise filter (not supplied) to the power cord.

The remote does not function.
- Remove any obstacles between the remote and the remote sensor 15 on the unit, and position the remote away from fluorescent lights.
- Point the remote at the system's sensor 15.
- Move the remote closer to the system.

The STANDBY indicator 13 remains lit after unplugging the power cord.
- The STANDBY indicator 13 may not turn off immediately after unplugging the power cord. The indicator will turn off after about 40 seconds. This is not a malfunction.

CD/MP3 disc

The system does not eject the disc and "LOCKED" appears.
- Consult your nearest Sony dealer or local authorized Sony service facility.

The disc cannot be inserted.
- Check that the system is turned on.
- Do not insert a disc into the disc slot until "NO DISC" appears in the display.
- a disc that has not been finalized (a disc to which data can be added).

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).

Play does not start from the first track.
- Return to normal play by pressing PLAY MODE 19 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 that has many folders.

Erroneous display.
- The data stored in the CD-DA, MP3 disc may have been corrupted, perform the transferring again.
- The character code that can be displayed by this system are as follows:
  —Upper cases (A to Z).
  —Numbers (0 to 9).
  —Symbols (< > * + , [ ] \ _).
  Other characters appear as "_."

iPod/iPhone/iPad

There is no sound.
- Make sure the iPod/iPhone/iPad is connected securely.
- Make sure the iPod/iPhone/iPad is playing music.
- Make sure the iPod/iPhone/iPad is updated with the latest software. If not, update the iPod/iPhone/iPad before using with the system.
- Adjust the volume.

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

The iPod/iPhone/iPad does not function.
- Shut down any other iOS applications running on the iPod/iPhone/iPad. For details, refer to the operation manual supplied with your iPod/iPhone/iPad.
- Make sure the iPod/iPhone/iPad is connected securely.
- Make sure the iPod/iPhone/iPad is updated with the latest software. If not, update the iPod/iPhone/iPad before using with the system.
- Because the operation of the system and the iPod/iPhone/iPad are different, you may not operate the iPod/iPhone/iPad using buttons on the remote or unit. In this case, use the control buttons on the iPod/iPhone/iPad.

The iPod/iPhone/iPad cannot be charged.
- Make sure the iPod/iPhone/iPad is connected securely.
- If you press DISPLAY 27 while charging when the system is off, the system stops charging an iPod/iPhone/iPad. To restart charging of an iPod/iPhone/iPad, reconnect the iPod/iPhone/iPad when the display mode is Power Saving mode.

The ring volume of the iPhone does not change.
- Adjust the ring volume on the iPhone.

Tuner

Severe hum or noise, or stations cannot be received. ("TUNED" or "STEREO" 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 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 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 system to its factory default settings.

1 Disconnect and reconnect the power cord, and then turn on the system.

2 Press and hold ■ 5 and I/⏻ 12 on the unit until "RESET" appears in the display.
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/⏻ 12 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. STBY" appears in the display for 2 minutes before the system enters Standby mode.
- The Automatic Standby function is invalid for the tuner function (FM/AM), even when you have enabled it.
- The system may not enter Standby mode automatically in the following cases:
  —while an audio signal is being detected.
  —during playback of audio tracks or files.
  —while the preset Sleep Timer or Play Timer is in process.
- The system counts down the time again until it enters Standby mode, even when Automatic Standby function is enabled in the following cases:
  —when an iPod/iPhone/iPad is connected.
  —when a button on the remote or unit is pressed.

To turn off the beep sound
The system is set at the factory for the key-touch confirmation beep to sound when you press a touch panel key on the unit. You can turn off the beep sound.

1 Press the I/⏻ 12 to turn on the system.

2 Press and hold ■ 5 and VOLUME – 9 on the unit for 3 seconds or longer.
If you want to set the beep sound to on, use the same procedure as in step 1, 2.

Note
Even if the beep sound is set to on, the system does not beep to confirm key-touch while the Dock indicator is flashing, although operation of the touch panel is enabled even while the Dock indicator is flashing.

Messages

CAN'T PLAY : You have inserted a disc that cannot be played back on this system.
COMPLETE : The preset operation ended normally.
ERROR : Unpredictable situations or an unknown device is connected.
FULL : You tried to program more than 25 tracks or files (steps).
LOCKED : The disc slot does not work. Contact your nearest Sony dealer.
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.
NO SUPPORT : An unsupported iPod/iPhone/iPad is connected or the iPod/iPhone/iPad whose battery is empty is connected.
NO TRACK : There is not playable files on the CD disc.
NOT USED : You tried to perform a specific operation under conditions where that operation is prohibited.
PUSH STOP : You pressed PLAY MODE 19 during playback in the CD function.
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 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 system, 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 system 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.

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

Amplifier section

AUDIO POWER SPECIFICATIONS
POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
(The United States model only)
With 8 ohm loads, both channels driven, from 120 - 15,000 Hz; rated 20 watts per channel minimum RMS power, with no more than 10% total harmonic distortion from 250 milliwatts to rated output.
Power output (rated): 16 watts + 16 watts (8 ohms at 1 kHz, 1% THD)
Continuous RMS power output (reference): 20 watts + 20 watts (8 ohms at 1 kHz, 10% THD)

Input
AUDIO IN (stereo mini jack): Sensitivity 700 mV, impedance 47 kilohms

Outputs
PHONES (stereo mini jack): Accepts headphones of 8 ohms or more

CD player section
System: Compact disc and digital audio system
Laser Diode Properties
Emission Duration: Continuous
Laser Output*: Less than 44.6 μW
* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.
Frequency response: 20 Hz — 20 kHz
Signal-to-noise ratio: More than 90 dB
Dynamic range: More than 90 dB

Tuner section
FM stereo, FM/AM superheterodyne tuner
Antenna: FM lead antenna
AM loop antenna

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)

AM tuner section
Tuning range:
531 kHz — 1710 kHz (9 kHz step)
530 kHz — 1710 kHz (10 kHz step)

iPod/iPhone/iPad section
Compatible iPod/iPhone/iPad models:
—iPod touch 4th generation
—iPod touch 3rd generation
—iPod touch 2nd generation
—iPod nano 6th generation
—iPod nano 5th generation (video camera)
—iPod nano 4th generation (video)
—iPod nano 3rd generation (video)
—iPod classic 160 GB (2009)
—iPhone 4S
—iPhone 4
—iPhone 3GS
—iPhone 3G
—iPad2
—iPad

"Made for iPod," "Made for iPhone," and "Made for iPad" mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

Speaker section
Full-range speaker: 65 mm (2 5/8 in.), cone type
Passive radiator: 67 mm × 108 mm (2 3/4 × 4 3/8 in.)
Rated impedance: 8 ohms

General
Power requirements:
AC adapter
Input: 100 V — 240 V AC, 50/60 Hz
Output: DC 19.5 V 3.9 A
Power consumption: 32 watts
Dimensions (W/H/D) (incl. protruding parts):
Approx. 449 mm × 212 mm × 137 (95) mm (17 3/4 × 8 3/8 × 5 1/2 (3 3/4) in.)
Mass: Approx. 2.8 kg (6 lb 3 oz)
Quantity of the main unit: 1 piece
Supplied accessories: Remote Commander (1), AC adapter (1), Power cord (1), FM lead/AM loop antenna (1), Protective cushion (2), R6 (Size AA) batteries (2)

Design and specifications are subject to change without notice.

Standby power consumption: 0.5 W