SONY

Micro HI-FI Component System

Operating Instructions

COMPACT
disc
DIGITAL AUDIO

ATRAC

CMT-U1

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 of the apparatus with newspapers, tablecloths, curtains, etc. And do not place lighted candles on the apparatus.

To reduce the risk of fire or electric shock, do not place objects filled with liquids, such as vases, on the apparatus.

The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall socket, even if the unit itself has been turned off.

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 install the appliance in a confined space, such as a bookcase or built-in cabinet.

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

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CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT
```
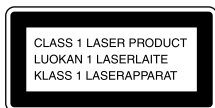
This appliance is classified as a CLASS 1 LASER product. This marking is located on the rear exterior.

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

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.

- "WALKMAN" and "WALKMAN" logo are registered trademarks of Sony Corporation.
- MICROVAULT is a trademark of Sony Corporation.
- ATRAC, ATRAC3, ATRAC3plus and their logos are trademarks of Sony Corporation.
- SonicStage and SonicStage logo are trademarks or registered trademarks of Sony Corporation.
- MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.

Table of Contents

Guide to parts and controls

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.
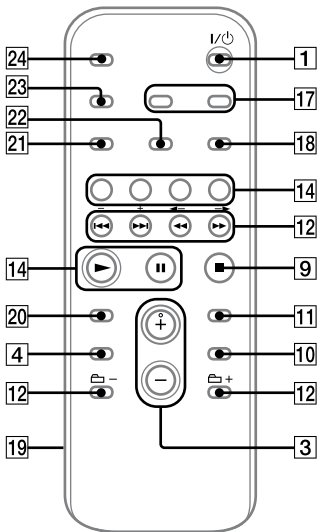
1 I/⏻ (power) button (page 10, 17, 20, 23, 24)
Press to turn on the system.

2 STANDBY indicator (page 16, 21)
Lights up when the system is turned off.

3 VOLUME +/− button (page 11, 13, 14, 15)
Press to adjust the volume.

4 Sound buttons (page 16)
Unit: DSGX button
Remote: EQ button
Press to select the sound.

5 Remote sensor (page 21)

6 ⌂ (headphones) jack
Connect the headphones.

7 AUDIO IN jack (page 15)
Connect to an optional audio component.

8 ⤸ (USB) port (page 14, 28)
Connect to an optional USB device (Digital music player or USB storage media).

9 Unit: ■ CANCEL (stop/cancel) button (page 11, 13, 14)
Remote: ■ (stop) button (page 11, 13, 14)
Press to stop playback.
Press to cancel search.

10 SEARCH button (page 11, 14, 17)
Press to enter or exit search mode. Press when the system is turned off to enter text mode.

Guide to parts and controls

[11] ENTER button (page 10, 17, 18, 19, 20)

Press to enter the settings.

[12] ⏮/⏭ (go back/go forward) button (page 11, 14, 18)

Press to select a track or file.

Unit: TUNE +/– (tuning) button (page 13)
Remote: +/– (tuning) button (page 13)

Press to tune in the desired station.

Unit: ↑/↓ (folder and file search) button (page 11, 14)

Press to select a folder and file.

Remote: ▭ +/– (select folder) button (page 11, 14, 18)

Press to select a folder.

◀◀/▶▶ (rewind/fast forward) button (page 11, 14)

Press to find a point in a track or file.

[13] Indicators
USB indicator

Lights up when an optional USB device (Digital music player or USB storage media) is connected.

▶ (play) indicator

Lights up when a track or file is being played back.

II (pause) indicator

Lights up when a track or file is paused.

⬤ (disc presence) indicator

Lights up when a disc is loaded.

[14] Playback buttons and function buttons
Unit: USB ▶II (play/pause) button (page 14)

Press to select the USB function.
Press to start or pause playback of an optional USB device (Digital music player or USB storage media).

Remote: USB button (page 14)

Press to select the USB function.

Unit: CD ▶II (play/pause) button (page 11)

Press to select the CD function.
Press to start or pause playback of a disc.

Remote: CD button (page 11)

Press to select the CD function.

Remote: ▶ (play) button, II (pause) button

Press to start or pause playback.

TUNER/BAND button (page 13)

Press to select the TUNER function. Press to select FM or AM reception mode.

AUDIO IN button (page 15)

Press to select the AUDIO IN function.

FUNCTION button

Press to select the function.

[15] ⏏ (eject) button (page 11)

Press to eject a disc.

[16] Disc slot

[17] CLOCK/TIMER SELECT button (page 20)
CLOCK/TIMER SET button (page 10, 20)
Press to set the clock and the timers.

[18] REPEAT/FM MODE button (page 11, 13, 14)
Press to listen to a disc, a single track or file repeatedly. Press to select the FM reception mode (monaural or stereo).

[19] Battery compartment lid (page 10)

[20] CLEAR button (page 18)
Press to delete a pre-programmed track or file.

[21] TUNER MEMORY button (page 19)
Press to preset the radio station.

[22] PLAY MODE/TUNING MODE button (page 12, 13, 15, 18, 19)
Press to select the play mode of a CD, "ATRAC" disc, MP3 disc or an optional USB device (Digital music player or USB storage media).
Press to select the tuning mode.

[23] DISPLAY button (page 16)
Press to change the information on the display.

[24] SLEEP button (page 20)
Press to set the Sleep Timer.

Information on the display
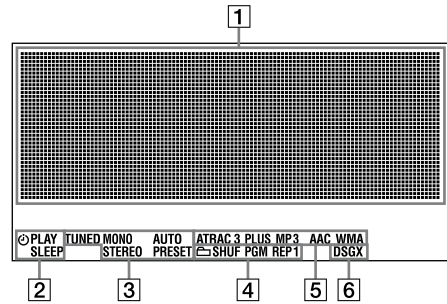
[1] Text information

[2] Timer (page 20)

[3] Tuner reception mode (page 13)
Tuner reception (page 13)

[4] Play mode (page 12, 15)

[5] Audio format

[6] DSGX (page 16)

Hooking up the system securely

Speakers

Left speaker

Right speaker

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, the power cord and the USB cable to avoid picking up noise.

FM lead antenna
(Extend it horizontally.)

or

Brown side for other regions

White side for North American and Brazilian models

VOLTAGE
SELECTOR

220-240V

120-127V*

CAUTION
BEFORE
CHANGING
THE VOLTAGE,
DISCONNECT
THE AC POWER
CORD.

SPEAKER

L

R

IMPEDA
US

COAXIAL   AM   ANTENNA

AM loop antenna

Power

For models with a voltage selector,
set VOLTAGE SELECTOR to the
local power line voltage.
Connect the power cord to a wall
socket.
If the plug does not fit the wall
socket, detach the supplied
plug adaptor (only for models
equipped with an adaptor).

 * Brazilian model: 127 V or 220 V

Wall socket

To use the remote

Slide and remove the battery compartment lid
19, and insert the two supplied R6 (size AA)
batteries, ⊖ side first, matching the polarities
shown below.
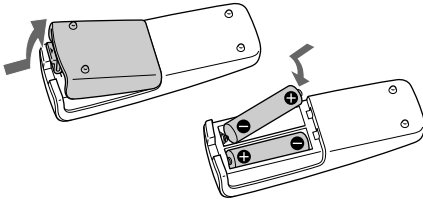
Notes
- With normal use, the batteries should last for about six months.
- Do not mix an old battery with a new one or mix different types of batteries.
- If you do not use the remote for a long period of time, remove the batteries to avoid damage from battery leakage and corrosion.

Setting the clock

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

2 Press CLOCK/TIMER SET 17.
If the current mode appears on the display, press ⏮ /⏭ 12 repeatedly to select "CLOCK SET?" and then press ENTER 11.

3 Press ⏮ /⏭ 12 repeatedly to set the hour, and then press ENTER 11.

4 Use the same procedure to set the minutes.
When you turn off the system after setting the clock, the clock display appears instead of the demonstration display.
The clock settings are lost when you disconnect the power cord or if a power failure occurs.

Basic Operations

Playing a CD/ATRAC/MP3 disc

1 Select the CD function.
Press CD ⌴14⌴.

2 Insert a disc in the disc slot ⌴16⌴ with the label side facing forward.

Insert a disc with the label side facing forward.
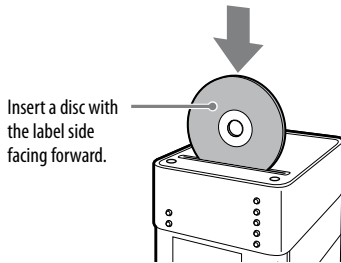
Notes

- **When you turn on the system, the disc is not pulled into the disc slot until "No Disc" appears in the display. Do not attempt to push in the disc until "No Disc" appears.**
- **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 ⏏ ⌴15⌴ 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 push a disc into the disc slot when the system is off. Doing so may cause the system to malfunction.
- Do not insert an 8 cm disc with an adaptor. Doing so may cause the system to malfunction.

3 Start playback.
Press ► (or CD ►II on the unit) ⌴14⌴.

4 Adjust the volume.
Press VOLUME +/– ⌴3⌴.

Other operation

To	Press
Pause playback	II (or CD ►II on the unit) ⌴14⌴. To resume play, press the button again.
Stop playback	■ ⌴9⌴.
Select a folder on an "ATRAC" disc or MP3 disc	🗀 +/– (or ↑/↓ on the unit) ⌴12⌴.
Select a track or file	I◄◄ /►►I ⌴12⌴.
Select a folder and file on an "ATRAC" disc or MP3 disc using the buttons on the unit	SEARCH ⌴10⌴. Press ↑/↓ ⌴12⌴ to select the desired folder, then press ENTER ⌴11⌴. Press ↑/↓ ⌴12⌴ to select the desired file, then press ENTER ⌴11⌴.
Find a point in a track or file	Hold down ◄◄/►► ⌴12⌴ during playback, and release the button at the desired point.
Select Repeat Play	REPEAT ⌴18⌴ repeatedly until "REP" or "REP1" appears.
Eject a disc	⏏ ⌴15⌴ on the unit.

Basic Operations

To change the play mode

Press PLAY MODE 22 repeatedly while the player is stopped. You can select normal play ("📁*" for all "ATRAC" files and MP3 files in the folder on the disc), shuffle play ("SHUF" or "📁 SHUF*"), or program play ("PGM").

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

To create an "ATRAC"/MP3 disc

You can create an "ATRAC" disc and MP3 disc with the SonicStage software. SonicStage can be downloaded free of charge from the following sites and installed on your computer.
For customers in Europe:
<http://sonydigital-link.com/dna>
For customers in Latin America:
<http://www.sony-latin.com/pa/info>
Please see the instructions at the sites or SonicStage Help of the software for how to install and how to create an "ATRAC"/MP3 disc.

Notes on Repeat Play

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

Notes on playing "ATRAC"/MP3 discs

- Do not save other types of files or unnecessary folders on a disc that has "ATRAC" and MP3 files.
- Folders that have no "ATRAC" and MP3 files are skipped.
- "ATRAC" and 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".
- If there are files on the disc that have the ".MP3" file extension, but that are not MP3 files, the unit may produce noise or may malfunction.
- The maximum number of:
  – "ATRAC" folders is 255.
  – "ATRAC" files is 999.
  – MP3 folders is 255 (including the root folder).
  – MP3 files is 511.
  – MP3 files and folders that can be contained on a single disc 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.
- If "ATRAC" files and MP3 files are recorded on the same disc, this system plays the "ATRAC" files first.

Notes on playing multisession discs

- If the disc begins with a CD-DA (or "ATRAC"/MP3) session, it is recognized as a CD-DA (or "ATRAC"/MP3) disc, and other sessions are not played back.
- A disc with a mixed CD format is recognized as a CD-DA (audio) disc.

Listening to the radio

1 Select "FM" or "AM."
Press TUNER/BAND [14] repeatedly.

2 Select the tuning mode.
Press TUNING MODE [22] repeatedly until "AUTO" appears.

3 Tune in the desired station.
Press +/– (or TUNE +/– on the unit) [12]. Scanning stops automatically when a station is tuned in, and then "TUNED" and "STEREO" (for stereo programs) appear.

```
FM
         87.50MHz



  TUNED        AUTO
        STEREO
```
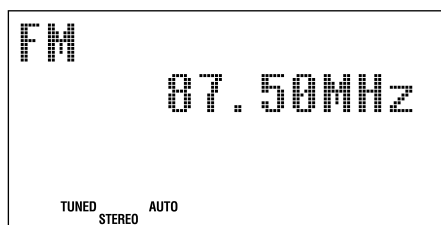
When you tune in a station that provides RDS services, the station name appears on the display (European model only).

4 Adjust the volume.
Press VOLUME +/– [3].

To stop automatic scanning
Press ∎ [9].

To tune in a station with a weak signal
If "TUNED" does not appear and the scanning does not stop, press TUNING MODE [22] repeatedly until "AUTO" and "PRESET" disappear, and then press +/– (or TUNE +/– on the unit) [12] repeatedly to tune in the desired station.

To reduce static noise on a weak FM stereo station
Press FM MODE [18] repeatedly until "MONO" appears to turn off stereo reception.

Basic Operations

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Listening to music of an USB device

You can connect an optional USB device (Digital music player or USB storage media) to the ↤ (USB) port 8 on the unit and listen to music stored in the USB device. See "Playable USB devices" (page 28) for a list of USB devices that can be connected to this system.

The audio formats that can be played back by this system are as follows: ATRAC/MP3[1]/WMA[1]/AAC[1][2])

[1] Files with copyright protection (Digital Rights Management) cannot be played by this system.

[2] AAC files transferred to a digital music player using SonicStage CP cannot be played by this system.

1 Select the USB function.
Press USB 14.

2 Connect an optional USB device (Digital music player or USB storage media) to the ↤ (USB) port 8 as shown below.
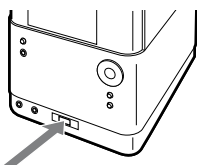
USB device (Digital music player or USB storage media)

When USB cable connection is necessary, connect the USB cable supplied with the USB device to be connected.
See the operation manual supplied with the USB device to be connected for details on the operation method.

When the USB device is connected, the display changes as follows:
"Detect" → "Connecting" → "ATRAC AD" or "STORAGE DRIVE"

Note
It may take about 10 seconds before "Detect" appears depending on the type of USB device connected.

3 Start playback.
Press ► (or USB ►II on the unit) 14.

4 Adjust the volume.
Press VOLUME +/– 3.

Other operation

To	Press
Pause playback	II (or USB ►II on the unit) 14. To resume play, press the button again.
Stop playback	■ 9.
Select a folder	🗀 +/– (or ↑/↓ on the unit) 12.
Select a file	I◄◄ /►►I 12.
Select a folder and file using the buttons on the unit*	SEARCH 10. Press ↑/↓ 12 to select the desired folder, then press ENTER 11. Press ↑/↓ 12 to select the desired file, then press ENTER 11.
Find a point in a file	Hold down ◄◄/►► 12 during playback, and release the button at the desired point.
Select Repeat Play	REPEAT 18 repeatedly until "REP" or "REP1" appears.
Remove the USB device	Hold down ■ 9 until "Device Stop" appears, then remove the USB device.

* Artist searches and group searches are possible for some USB device types.

To change the play mode

Press PLAY MODE 22 repeatedly while the USB device is stopped. You can select normal play ("⌂" for all files in the folder on the digital music player), shuffle play ("SHUF" or "⌂ SHUF"), or program play ("PGM").

Notes on the USB device

- With some connected USB devices, after an operation is performed, there may be a delay before it is performed by this system.
- This system does not necessarily support all the functions provided in a connected USB device.
- The playback order for the system may differ from the playback order of the connected USB device.
- Always press ■ 9 and make sure that "Device Stop" appears before removing the USB device. Removing the USB device while "Device Stop" is not displayed may corrupt the data on it or damage the USB device itself.
- Do not save other types of files or unnecessary folders on an USB device that has audio files.
- Folders that have no audio files are skipped.
- Files are played back in the order that they are transferred to the USB device.
- The maximum numbers of folders and files that can be contained on a single USB device are as follows:
  – Digital music player: 65,535 groups (maximum 999 tracks per group)/65,535 tracks
  – USB storage media: 512 folders (including the root folder, maximum 999 files per folder, maximum 255 folders per folder)/65,535 files

  The maximum number of files and folders may vary depending on the file and folder structure.
- The audio formats that you can listen to with this system are as follows:
  – MP3: file extension ".mp3"
  – Windows Media file: file extension ".wma"
  – AAC: file extension ".m4a"

  Note that even when file names have the above file extensions, if the actual file differs, the system may produce noise or may malfunction.
- Compatibility with all encoding/writing softwares, recording devices, and recording media cannot be guaranteed. Incompatible USB device may produce noise or interrupted audio or may not play at all.

Using optional audio components

1 Connect additional audio component to the AUDIO IN jack 7 on the unit using an audio analog cord (not supplied).

2 Turn down the volume.
Press VOLUME – 3.

3 Select the AUDIO IN function.
Press AUDIO IN 14 on the unit.

4 Start playing the connected component.

5 Adjust the volume.
Press VOLUME +/– 3.

Basic Operations

Adjusting the sound

To add a sound effect

To	Press
Generate a more dynamic sound (Dynamic Sound Generator X-tra)	DSGX ④ on the unit.
Set the sound effect	EQ ④ repeatedly to select "BASS" or "TREBLE," and then press +/– ⑫ repeatedly to adjust the level.

Changing the display

To	Press
Change information on the display*	DISPLAY ㉓ repeatedly when the system is turned on.
Change Display mode (See below.)	DISPLAY ㉓ repeatedly when the system is turned off.

* For example, you can view CD/"ATRAC"/MP3 disc information or the USB device information, such as the track or file number or folder name during normal play, or the total playing time while the player is stopped.

The system offers the following display modes.

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

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

[2] When the system is in Power Saving Mode, the following functions are unavailable:
- setting the clock.
- changing the AM tuning interval (except for European model).
- changing the CD power manage function.
- resetting the system to factory settings.
- selecting the text mode.

To select the text mode

You can select from a variety of languages for displaying the text information on a disc or an USB device. Use buttons on the unit for the operation.

1 Press I/(¹) 1 to turn off the system.

2 Press SEARCH 10.
The language list appears. The languages you can select vary depending on the country or region specification.

3 Press ↑/↓ 12 to select the language, and then press ENTER 11.

Notes on the display information

- Characters that cannot be displayed appear as "_".
- The information on the disc or USB device may not be displayed correctly in the selected text mode.
- The following are not displayed:
  - total playing time for a CD-DA disc depending on the play mode.
  - total playing time for an "ATRAC"/MP3 disc.
- The following are not displayed correctly:
  - elapsed playing time of an "ATRAC" file or MP3 file encoded using a 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:
  - ID3 tag information for "ATRAC" files and MP3 files when ID3 version 1 and version 2 tags are used.
  - up to 62 characters of ID3 tag information.

Basic Operations

Other Operations

Creating your own program

(Program Play)

Use buttons on the remote to create your own program.

1 Select the desired function.

CD

Press CD 14 to select the CD function.

USB

Press USB 14 to select the USB function.

2 Press PLAY MODE 22 repeatedly until "PGM" appears while the system is stopped.

3 Press ⏮/⏭ 12 repeatedly until the desired track or file number appears.

When programming files, press 🗀 +/– 12 repeatedly to select the desired folder, and then select the desired file.

Example: When programming tracks on a CD
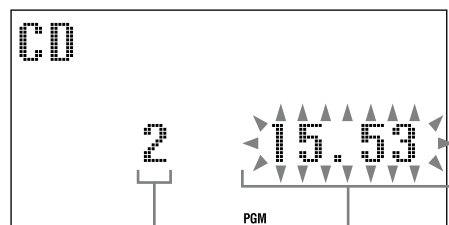
Selected track or file number | Total playing time of program (including selected track or file)

4 Press ENTER 11 to add the track or file to the program.

CD

"– –.– –" appears when the total program time exceeds 100 minutes for a CD, or when you select a CD track whose number is 21 or over, or when you select an "ATRAC" file or MP3 file.

USB

The total program time cannot be displayed, so "– –.– –" appears.

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 ▶ 14.

The program remains available until you remove the disc or USB device. When using an USB device, the program disappears when the system is turned off. To play the same program again, press ▶ 14.

To cancel Program Play

Press PLAY MODE 22 repeatedly until "PGM" disappears while the system is stopped.

To delete the last track or file of the program

Press CLEAR 20 while the system is stopped.

Presetting radio stations

You can preset your favorite radio stations and tune them in instantly by selecting the corresponding preset number.
Use buttons on the remote to preset stations.

1 Tune in the desired station (see "Listening to the radio" (page 13)).

2 Press TUNER MEMORY [21].

```
FM
          87.50MHz
Memory  FM  1

TUNED     AUTO
     STEREO
```
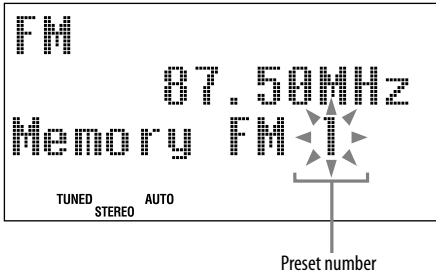
Preset number

3 Press +/– [12] repeatedly to select your desired preset number.

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

4 Press ENTER [11].

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 [22] repeatedly until "PRESET" appears, and then press +/– [12] repeatedly to select the desired preset number.

Other Operations

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Using the Timers

The system offers two timer functions. If you use the Play Timer with the Sleep Timer, 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 24 repeatedly. If you select "AUTO," the system automatically turns off after the current disc stops or in 100 minutes.

Play Timer:
You can wake up to CD, tuner or optional USB device at a preset time.
Use buttons on the remote to control the Play Timer. Make sure you have set the clock.

1 Prepare the sound source.
Prepare the sound source, and then press VOLUME +/– 3 to adjust the volume.
To start from a specific CD track, "ATRAC" file or MP3 file of a disc, create your own program (page 18).

2 Press CLOCK/TIMER SET 17.

3 Press ⏮ /⏭ 12 repeatedly to select "PLAY SET?," and then press ENTER 11.
"ON" appears, and the hour indication flashes.

4 Set the time to start playing.
Press ⏮ /⏭ 12 repeatedly to set the hour, and then press ENTER 11. The minute indication flashes. Use the procedure above to set the minutes.

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

6 Select the sound source.
Press ⏮ /⏭ 12 repeatedly until the desired sound source appears, and then press ENTER 11. The display shows the timer settings.

7 Press I/⏻ 1 to turn off the system.
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.

To activate or check the timer again
Press CLOCK/TIMER SELECT 17, press ⏮ /⏭ 12 repeatedly until "PLAY SELECT?" appears, and then press ENTER 11.

To cancel the timer
Repeat the same procedure as above until "TIMER OFF" appears, and then press ENTER 11.

To change the setting
Start over from step 1.

Note
You cannot perform Program Play of the files on an USB device using the Play Timer.

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

Others

Troubleshooting

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

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

> **If the STANDBY indicator flashes**
> Immediately unplug the power cord, and check the following item.
> - If your system has a voltage selector, is the voltage selector set to the correct voltage?
> - Are you using only the supplied speakers?
> - Is anything blocking the ventilation holes on the top or back of the system?
>
> After the STANDBY indicator 2 stops flashing, reconnect the power cord, and turn on the system. If the issue persists, contact your nearest Sony dealer.

General

The display starts flashing as soon as you plug in the power cord even though you have not turned on the system.
- Press DISPLAY 23 while the system is off. The demonstration disappears.

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 socket.
- 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 5 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/"ATRAC"/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.
- Press PLAY MODE 22 repeatedly until both "PGM" and "SHUF" disappear to return to normal play.

**Starting playback takes more time than usual.**
- The following discs take a longer time 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.

Others

USB device

Are you using a supported USB device?

- If you connect an unsupported USB device, the following problems may occur. See "Playable USB devices" (page 28) for the supported USB device types.
  - The USB device is not recognized.
  - File or folder names are not displayed on this system.
  - Playback is not possible.
  - The sound skips.
  - There is noise.

"Over Current" appears.

- A problem has been detected with the level of electrical current from the ⟵ (USB) port 8. Turn off the system and remove the USB device from the ⟵ (USB) port 8. Make sure there is no problem with the USB device. If this display pattern persists, contact your nearest Sony dealer.

There is no sound.

- The USB device is not connected correctly. Turn off the system, then reconnect the USB device and check if the USB indicator 13 lights up.

The sound is distorted.

- The bit rate used when encoding the files was low. Send files encoded with higher bit rates to the USB device.

There is noise or the sound skips.

- Turn off the system, then reconnect the USB device.
- The music data itself contains noise. Noise may have been introduced when creating music data due to the conditions of the computer. Create the music data again.
- When using the USB storage media, copy the files to your computer, format the USB storage media in FAT16 or FAT32 format, and copy the files to the USB storage media again.*

The USB device cannot be connected into the ⟵ (USB) port 8.

- The USB device is being connected backwards. Connect the USB device in the correct orientation.

The USB storage media which has been used on another device does not work.

- It may be recorded in an unsupported format. If so, first take the precaution of backing up important files on the USB storage media by copying them to your computer hard disk. Next, format the USB storage media with a FAT16 or FAT32 file system and transfer the backed-up audio files onto the USB storage media again.*

"Connecting" is displayed for a long time.

- It may take a while to finish reading the USB device if there are many folders or files on it. Thus, we recommend following these guidelines.
  - Total folders on USB device: 100 or less
  - Total files per folder: 100 or less

Erroneous display

- Send the music data to the USB device again, as the data stored in the USB device may have been corrupted.

Play does not start.

- Turn off the system, then reconnect the USB device.
- Connect the USB device that this system can play.
- Press ▶ (or USB ▶ǁ on the unit) 14 to start play.

Play does not start from the first track.

- Set the play mode to Normal Play mode.

Files cannot be played back.

- USB storage media formatted with file systems other than FAT16 or FAT32 are unsupported.*
- If you use partitioned USB storage media, only files on the first valid partition can be played.
- Files that are encrypted or protected by passwords, etc. cannot be played back.

* This system supports FAT16 and FAT32, but some USB storage media may not support all of these FAT. For details, see the operation manual of each USB storage media or contact the manufacturer.

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 speaker cords, the power cord and the USB cable to avoid picking up noise.
- Connect a commercially available external antenna.
- Consult your nearest Sony dealer if the supplied AM antenna has come off the plastic stand.
- 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; this function is not available on the European model). You cannot change the AM tuning interval in Power Saving Mode.
Use buttons on the unit to change the AM tuning interval.

1 Tune in any AM station, and then turn off the system.

2 While holding down TUNER/BAND 14, press I/⟳ 1.
All the AM preset stations are erased. To reset the interval to the factory preset, repeat the procedure.

To improve tuner reception

Turn off CD player power by using the CD power management function. By default, CD power is turned on. You cannot change the setting in Power Saving Mode.
Use buttons on the unit to turn off CD player power.

1 Press FUNCTION 14 repeatedly to select the CD function, and then turn off the system.

2 After "STANDBY" stops flashing, press I/⟳ 1 while holding down ■ 9.
"CD POWER OFF" appears. With CD player power turned off, disc access time is increased. To turn on CD player power, repeat the procedure until "CD POWER ON" appears.

Others

To reset the system to factory settings

If the system still does not operate properly, reset the system to factory settings. You cannot reset the system to factory settings in Power Saving Mode. 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 DSGX ④ and I/○ ① at the same time.
   All user-configured settings, such as preset radio stations, timer, and the clock, are deleted.

Messages

CD/ATRAC/MP3 player, Tuner

Complete!: The preset operation ended normally.

LOCKED: The system does not eject the disc. Contact your nearest Sony dealer.

No Disc: There is no disc in the system, or you have loaded a disc that cannot be played.

No Step: All of the programmed tracks or files have been erased.

Not in Use: You pressed an invalid button.

OFF TIME NG!: The Play Timer start and end times are set to the same time.

Over: You have reached the end of the disc while pressing ▶▶ ⑫ during playback or pause.

Push SELECT!: You tried to set the clock or timer during timer operation.

Push STOP!: You pressed PLAY MODE ㉒ during playback.

Reading: The system is reading information of the disc. Some buttons are not available.

SET CLOCK!: You tried to select the timer when the clock is not set.

SET TIMER!: You tried to select the timer when the Play Timer is not set.

Step Full!: You tried to program more than 26 tracks or files (steps).

USB device

ATRAC AD: An ATRAC Audio Device is connected.

Connecting: The system is recognizing the USB device.

Detect: An USB device is connected.

Device Error: The USB device could not be recognized or an unknown device is connected.

Device Stop: The USB device has been stopped.

No Device: No USB device is connected.

No Step: All of the programmed tracks or files have been erased.

Not Supported: An unsupported USB device is connected.

No Track: No playable file is loaded in the system.

Not in Use: You have made an invalid or currently prohibited operation.

Please Wait: The system is readying for usage of an USB device.

Removed: The USB device has been removed.

Step Full!: You tried to program more than 26 tracks or files (steps).

STORAGE DRIVE: USB storage media is connected.

Precautions

Discs that this system CAN play

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

Discs that this system CANNOT play

- CD-ROM
- CD-R/CD-RW other than those recorded in music CD format, "ATRAC" format or MP3 format conforming to ISO9660 Level 1/Level 2, Joliet or multisession
- 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

Others

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 socket (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

Amplifier section

European model:

DIN power output (rated): 20 + 20 watts (6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference): 25 + 25 watts (6 ohms at 1 kHz, 10% THD)

Music power output (reference): 25 + 25 watts (6 ohms at 1 kHz, 10% THD)

Other models:

DIN power output (rated): 20 + 20 watts (6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference): 25 + 25 watts (6 ohms at 1 kHz, 10% THD)

Inputs:

AUDIO IN (stereo mini jack): voltage 620 mV, impedance 47 kilohms

⟵ (USB) port: Type A, maximum current 500 mA

Outputs:

🎧 (PHONES (stereo mini jack)): accepts headphones of 8 ohms or more

SPEAKER: accepts impedance of 6 ohms

USB section

Supported bit rate

MP3 (MPEG 1 Audio Layer-3): 32 – 320 kbps, VBR

ATRAC: 48 – 352 kbps (ATRAC3 plus), 66/105/132 kbps (ATRAC3)

WMA: 48 – 192 kbps, VBR

AAC: 48 – 320 kbps

Sampling frequencies

MP3 (MPEG 1 Audio Layer-3): 32/44.1/48 kHz

ATRAC: 44.1 kHz

WMA: 44.1 kHz

AAC: 44.1 kHz

CD player section

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

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section:

Tuning range

Brazilian model:

87.5 – 108.0 MHz (100 kHz step)

Other models:

87.5 – 108.0 MHz (50 kHz step)

Antenna: FM lead antenna

Antenna terminals: 75 ohms unbalanced

Intermediate frequency: 10.7 MHz

AM tuner section:

Tuning range

European model:

531 – 1,602 kHz (with 9 kHz tuning interval)

Latin American model:

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

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

Other models:

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

531 – 1,602 kHz (with 9 kHz tuning interval)

Antenna: AM loop antenna, external antenna terminal

Intermediate frequency: 450 kHz

Speaker

Speaker system: 2-way, 2-unit, bass-reflex type

Speaker units: Woofer 10 cm, Aluminum cone type, Tweeter 4 cm, cone type

Nominal impedance: 6 ohms

Dimensions (w/h/d): Approx. 151 × 241 × 211 mm

Mass: Approx. 2.3 kg net per speaker

General

Power requirements

    Brazilian model: 127 or 220 V AC, 50/60 Hz, Adjustable with voltage selector
Latin American models except for Brazilian model: 120 – 127 or 220 – 240 V AC, 50/60 Hz, Adjustable with voltage selector
Other models: 220 – 240 V AC, 50/60 Hz

Power consumption: 35 watts

Dimensions (w/h/d) (excl. speakers): Approx. 160 × 241 × 218 mm

Mass (excl. speakers) 3.2 kg

Supplied accessories: Remote Commander (1), R6 (Size AA) batteries (2), AM loop antenna (1), FM lead antenna (1)

U.S. and foreign patents licensed from Dolby Laboratories.

Design and specifications are subject to change without notice.

ecoinfo

- Standby power consumption: 0.5 W
- Halogenated flame retardants are not used in the certain printed wiring boards.
- Lead-free solder is used for soldering certain parts.
- Halogenated flame retardants are not used in cabinets.

Playable USB devices

You can play back the following Sony USB devices on this system. Other USB devices cannot be played back on this system.

Verified Sony digital music player (as of April 2006)

Product name	Model name
Walkman®	NW-E103 / E105 / E107
	NW-E205 / E207
	NW-E303 / E305 / E307
	NW-E403 / E405 / E407
	NW-E503 / E505 / E507
	NW-A605 / A607 / A608
	NW-E002 / E002F / E003 / E003F / E005 / E005F
	NW-HD5
	NW-A1000 / A1200 / A3000

Note
AAC files transferred to a digital music player using SonicStage CP cannot be played by this system.

Verified Sony USB storage media (as of April 2006)

Product name	Model name
MICROVAULT	USM32D / 64D / 128D / 256D / 512D / 1GD
	USM64D/V / 128D/V / 256D/V / 512D/V / 1GD/V
	USM128E / 256E / 512E / 1GE / 2GE
	USM128E/V / 256E/V / 512E/V / 1GE/V / 2GE/V
	USM512EX / 1GEX / 2GEX
	USM128J / 256J / 512J / 1GJ / 2GJ / 4GJ
	USM512JX / 1GJX / 2GJX / 4GJX
	USD2G / 4G / 5G / 8G

Check the websites below for the latest information about compatible devices.
For customers in Europe:
<http://sonydigital-link.com/dna>
For customers in Latin America:
<http://www.sony-latin.com/pa/info>

Notes

- Do not use USB devices other than these USB devices. Operation of models not listed here is not guaranteed.
- Operation may not always be ensured even when using these USB devices.
- Some of these USB devices may not be available for purchase in certain areas.

eco info

Printed on 100% recycled
paper using VOC (Volatile Organic
Compound)-free vegetable oil
based ink

http://www.sony.net/