

# ***Micro HI-FI Component System***

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Operating Instructions



***CMT-NEZ7DAB***

## WARNING

**To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.**

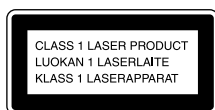
To reduce the risk of fire, do not cover the ventilation of the apparatus with newspapers, tablecloths, curtains, etc. And do not place lighted candles on the apparatus.

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

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.



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

MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.

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## How to use this manual

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.

## Overview of DAB

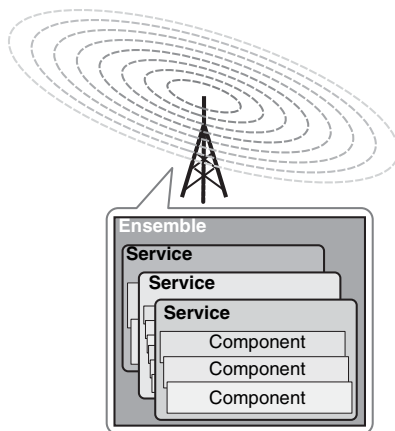
DAB (Digital Audio Broadcasting) is a new multimedia broadcasting system that replaces the current FM/AM broadcast to transmit audio programs with a quality comparable to that of CDs\*.

Each DAB multiplex radio station converts programs (services) into an ensemble, which it then broadcasts. Each service contains one or more components. All services and components are identified by name, so you can access any of them without having to know their frequencies. Furthermore, additional information (called program associated data) can be broadcast along with the services in the form of text.

### With DAB digital radio, you can enjoy:

- CD sound quality without any hiss or crackle to spoil the sound\*
- both music and data services from a single tuner (this tuner does not support data services)
- the same radio stations of the same frequency from anywhere in the country
- multiple programs (services) from a single frequency

\* Some service components may not match CD quality sound.








### Notes

- The status of the DAB broadcast depends on your country or region. It may not be broadcast or may be in test phase.
- DAB programs are broadcast in Band-III (174 to 240 MHz) and/or L-Band (1452 to 1491 MHz), with each band divided into channels. Each of these channels has its own channel label. For details on the channel labels and frequencies that this tuner supports, see the Frequency Table on page 31.
- This tuner does not support data services.

# Playable discs

You can play back the following discs on this system. Other discs cannot be played back.

## List of playable discs

Format of discs	Disc logo
Audio CDs	
CD-R/CD-RW (audio data/MP3 files)	 
	 

## Discs that this system cannot play

- CD-ROMs
- CD-Rs/CD-RWs other than those recorded in the following formats:
  - music CD format
  - MP3 format that conforms to ISO9660<sup>1)</sup> Level 1/Level 2, Joliet or Multi Session<sup>2)</sup>
- A disc that has a non-standard shape (e.g., card, heart).
- A disc with paper or stickers on it.
- A disc that has the adhesive, cellophane tape, or a sticker still left on it.

### <sup>1)</sup> ISO9660 Format

The most common international standard for the logical format of files and folders on a CD-ROM. There are several specification levels. In Level 1, file names must be in the 8.3 format (no more than eight characters in the name, no more than three characters in the extension “.MP3”) and in capital letters. Folder names can be no longer than eight characters. There can be no more than eight nested folder levels. Level 2 specifications allow file names and folder names up to 31 characters long. Each folder can have up to 8 trees. For Joliet in the expansion format (file and folder names can have up to 16 characters) make sure of the contents of the writing software, etc.

### 2) Multi Session

This is a recording method that enables adding of data using the Track-At-Once method.

Conventional CDs begin at a CD control area called the Lead-in and end at an area called Lead-out. A Multi Session CD is a CD having multiple sessions, with each segment from Lead-in to Lead-out regarded as a single session. This unit supports up to 10 sessions.

CD-Extra: This format records audio (audio CD data) on the tracks in session 1 and data on the tracks in session 2.

Mixed CD: This format records data on the first track and audio (audio CD data) on the second and subsequent tracks of a session.

## Notes on CD-R and CD-RW

- Some CD-Rs or CD-RWs cannot be played on this system depending upon the recording quality or physical condition of the disc, or the characteristics of the recording device. Furthermore, the disc will not play if it has not been correctly finalized. For more information, see the operating instructions for the recording device.
- Discs recorded on CD-R/CD-RW drives may not be played back because of scratches, dirt, recording condition or the driver’s characteristics.
- CD-R and CD-RW discs recorded in multi-session that have not ended by “closing the session” are not supported.
- The system may be unable to play MP3 format files that do not have the extension “.MP3”.
- Attempting to play non-MP3 format files that have the extension “.MP3” may result in noise or malfunction.
- With formats other than ISO9660 level 1 and 2, folder names or file names may not be displayed correctly.
- The following discs take a longer time to start playback.
  - a disc recorded with complicated tree structure.
  - a disc recorded in Multi Session.
  - a disc to which data can be added (non-finalized disc).

*continued*

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## **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.

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## **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.

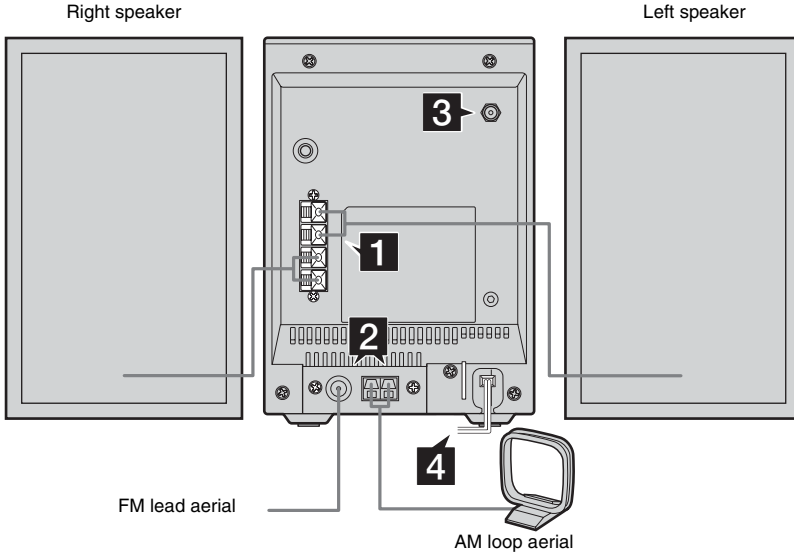
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## **Cautions when playing a disc that is recorded in Multi Session**

- If the disc begins with a CD-DA session, it is recognized as a CD-DA (audio) disc, and playback continues until an MP3 session is encountered.
- If the disc begins with an MP3 session, it is recognized as an MP3 disc, and playback continues until a CD-DA (audio) session is encountered.
- The playback range of an MP3 disc is determined by the tree structure of files produced by analyzing of the disc.
- A disc with a mixed CD format will be recognized as a CD-DA (audio) disc.

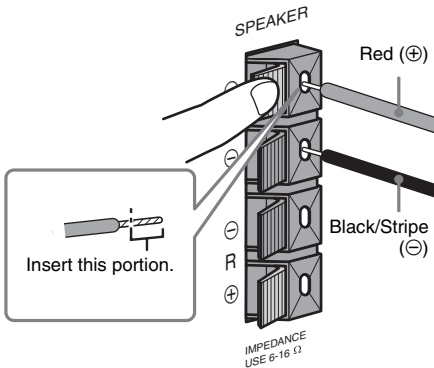
## Hooking up the system

Perform the following procedures **1** to **4** to hook up your system using the supplied cords and accessories.



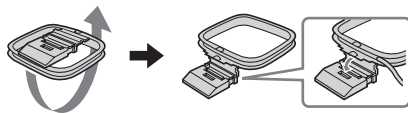
### 1 Connect the speakers.

Connect the right and left speaker cords to the SPEAKER terminals on the unit as shown below.



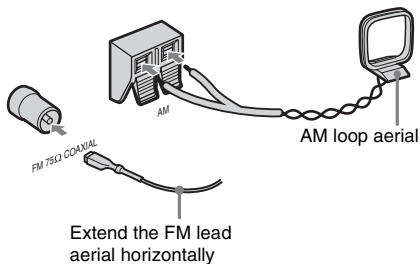
### 2 Connect the FM and AM aerials.

Set up the AM loop aerial, then connect it.

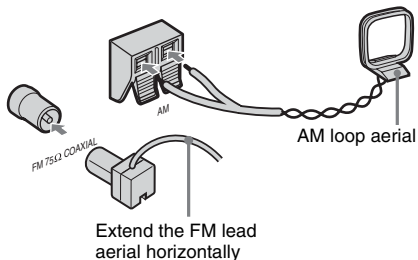


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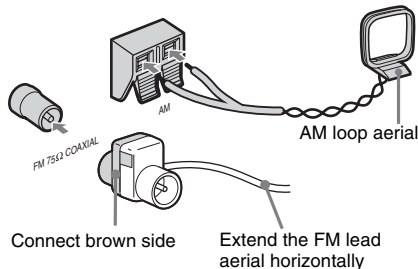
### Plug type ①



### Plug type ②



### Plug type ③



### Note

To prevent noise pickup, keep the aerial away from the system and other components.

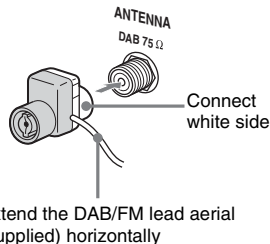
### Tip

You can use the same lead aerial for both DAB and FM connection. Use the white side connector for DAB connection and the brown side connector for FM connection.

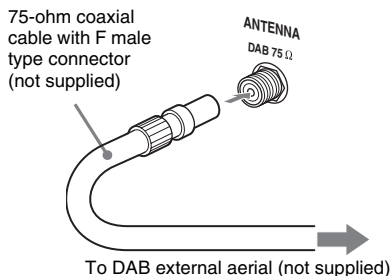
### 3 Connect the DAB aerial.

With a DAB external aerial, you can obtain a higher DAB broadcast sound quality. We recommend that you use the supplied DAB/FM lead aerial only temporarily until you install a DAB external aerial.

Connect the supplied DAB/FM lead aerial to the DAB terminal on the back of this unit.



Connect a DAB external aerial (not supplied) to the DAB terminal on the back of this unit.




### Tip

To install the DAB external aerial (not supplied), 75-ohm coaxial cable with F male type connector (not supplied) will be needed.

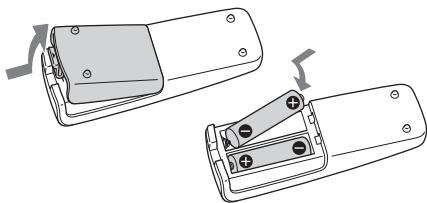
### 4 Connect the mains lead to a mains.

If the plug does not fit the wall socket, detach the supplied plug adaptor (only for models equipped with an adaptor).

To turn on the system, press .



## Inserting two R6 (size AA) batteries into the remote



### Note

If you do not use the remote for a long period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

### Tip

With normal use, the batteries should last for about six months. When the remote no longer operates the system, replace both batteries with new ones.

## Setting the clock

Use buttons on the remote for the operation.

- 1** Press I/⏻ to turn on the unit.
- 2** Press CLOCK/TIMER SET.
- 3** Press ◀◀ or ▶▶ repeatedly to set the hour.
- 4** Press ENTER.
- 5** Press ◀◀ or ▶▶ repeatedly to set the minute.
- 6** Press ENTER.

The clock starts working.

### To adjust the clock

- 1** Press CLOCK/TIMER SET.
- 2** Press ◀◀ or ▶▶ repeatedly to select "CLOCK SET?", then press ENTER.
- 3** Do the same procedures as step 3 to 6 above.

### Note

The clock is not displayed in Power Saving Mode (page 22).

## CD/MP3 – Play

### Loading a disc

- 1 Press **▲** PUSH OPEN/CLOSE on the unit.
- 2 Place a disc with the label side up on the CD compartment.



- 3 Press **▲** PUSH OPEN/CLOSE on the unit again to close the lid of CD compartment.

#### Notes

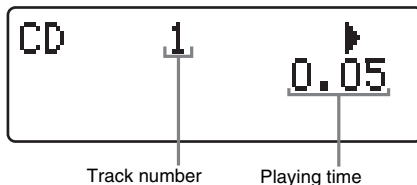
- Do not use a disc with tape, seals or paste on it as this may cause malfunction.
- Keep the lens on the CD player clean and do not touch it. If you do so, the lens may be damaged and the CD player will not operate properly.

## Playing a disc



### — Normal Play/Shuffle Play

This system lets you play audio CDs and discs with MP3 audio tracks.

#### Example: When playing a disc



- 1 Press **CD** (or **FUNCTION** repeatedly) to switch the function to **CD**.
- 2 Press **PLAY MODE** repeatedly in stop mode until the mode you want appears in the display.

Select	To play
No display (Normal Play)	The tracks on the disc in original order.
 (Normal Play)	All MP3 audio tracks in the album on the disc in original order. When playing a non-MP3 disc, the system performs the same operation as Normal Play.
SHUF (Shuffle Play)	All tracks on the disc in random order.
 SHUF (Shuffle Play)	All MP3 audio tracks in the album on the disc in random order. When playing a non-MP3 disc, the system performs the same operation as Shuffle Play.
PGM (Program Play)	The tracks on the disc in the order you want them to be played (see “Creating your own program” on page 12).

- 3 Press **▶** (or **CD/▶||** on the unit).

## Other operations

To	Do this
Stop play	Press ■.
Pause	Press ■■ (or CD/▶■■ on the unit). Press again to resume play.
Select a track	Press ◀◀ or ▶▶ repeatedly.
Select an album of MP3	Press ◻ + or – repeatedly after step 2.
Find a point in a track	Keep pressing ◀◀ or ▶▶ during playback and release it at the desired point.
Remove a disc	Press ▲ PUSH OPEN/CLOSE on the unit.

### Notes

- When switching to CD function from tuner, a longer time may be required to access the disc.
- You cannot change the play mode during playback.
- Some time may be needed to start playback of discs recorded in complex configurations such as many layers.
- When the disc is inserted, the player reads all the audio tracks on that disc. If there are many albums or non-MP3 audio tracks on the disc, it may take a long time for play to begin or for the next MP3 audio track to start play.
- Do not save unnecessary albums or tracks other than MP3 ones in the disc to be used for MP3 listening. We recommend that you do not save other types of tracks or unnecessary albums on a disc that has MP3 audio tracks.
- An album that does not include an MP3 audio track is skipped.
- The maximum number of tracks: 299
- The maximum number of albums: 150 (including root folder)
- The total maximum number of MP3 audio tracks and albums that can be contained on a single disc is 300.
- Playback is possible up to 8 levels.
- MP3 audio tracks are played back in the order that they are recorded on the disc.
- Depending on the encoding/writing software, recording device, or the recording media used at the time an MP3 audio track is recorded, you may encounter such problems as disabled playback, sound interruptions, and noise.

- When playing back an MP3 audio track, the playback elapsed time indication may differ from the actual time in the following cases.
  - When you play back a VBR (variable bit rate) MP3 audio track
  - When you perform Fast Forward or Rewind (Manual Search)

## Playing repeatedly

### — Repeat Play

You can play all the tracks or a single track on a disc repeatedly.

**Press REPEAT repeatedly during playback until “REP” or “REP1” appears.**

REP: For all the tracks on a disc, or all the MP3 audio tracks in an album up to five times.

REP1: For a single track only.

### To cancel Repeat Play

Press REPEAT repeatedly until both “REP” and “REP1” disappear.

### Note


When you select “REP1”, that track is repeated endlessly until “REP1” is canceled.

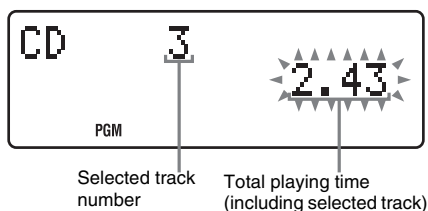
# Creating your own program

## — Program Play

You can make a program of up to 25 steps. You can synchro record the programmed tracks onto a cassette tape (page 18).

- 1 Press CD (or FUNCTION repeatedly) to switch the function to CD.**
- 2 Press PLAY MODE repeatedly in stop mode until “PGM” appears.**
- 3 Press ◀◀ or ▶▶ repeatedly until the desired track number appears.**

When programing the MP3 audio tracks, press  + or - to select album, then press ◀◀ or ▶▶ repeatedly until the desired track number appears.



- 4 Press ENTER.**  
The track is programmed.  
The program step number appears, followed by the last programmed track number and the total playing time.
- 5 To program additional tracks, repeat steps 3 and 4.**
- 6 Press ▶ (or CD/▶|| on the unit).**  
Program Play starts.

## Other operations

To	Do this
Cancel Program Play	Press PLAY MODE repeatedly in stop mode until “PGM” disappears.
Erase the program	Press CLEAR in stop mode. Each time you press the button, a track is cleared from the end of the program.
Add a track to the end of the program	Perform steps 3 and 4 in stop mode.

### Tips

- The program you made remains after Program Play finishes. To play the same program again, press ▶ (or CD/▶|| on the unit). However, the program is cleared when you open the CD compartment.
- “- - -” appears when the total CD program time exceeds 100 minutes, or when you select a CD track whose number is 21 or over, or when you select an MP3 audio track.

## Scanning DAB stations

Before you can receive DAB, you must register the contents of broadcasts (service components) so that they can be received by the DAB tuner using the DAB Automatic Scan procedure.

### DAB Automatic Scan

DAB Automatic Scan starts automatically only when you turn on the system for the first time after you purchase the system.

If you want to use the DAB Automatic Scan again, perform the procedure below.

**1 Press DAB AUTO SCAN on the unit.**  
“DAB Auto Scan? Push DAB” appears.

**2 Press DAB on the unit.**  
Scanning begins. “DAB Auto Scan” appears. Depending on the DAB services available in your area, scanning may take a few minutes.



When scanning is complete, available service component list is created.

#### Notes

- If your country or region does not support DAB broadcast, “No Service” appears.
- Do not press any button on the unit or supplied remote during DAB Automatic Scan. Scanning is interrupted and service component list may not be created properly. In this case, perform the DAB Automatic Scan again.
- If you move to another area, repeat this procedure to store the stations for your new area.
- This procedure clears all previously stored presets.
- This procedure does not create any presets.

### To move system location

When you wish to move the system to a new location, to preserve your own DAB settings, make sure the clock display\* appears when the system is powered down, before unplugging the mains lead and DAB lead aerial.

\* In Power Saving Mode, make sure the clock display disappears.

## Presetting radio stations

You can preset up to 20 DAB stations, 20 FM stations and 10 AM stations. You can then tune in any of those stations simply by selecting the corresponding preset number.

### Automatic tuning preset

You can automatically tune in all of the service components or stations that can be received in your area and then store them.

**1 Press TUNER/BAND (or FUNCTION repeatedly) to switch the function to TUNER.**

**2 Press TUNER/BAND repeatedly to select “DAB”, “FM” or “AM”.**

You can also use the DAB button to select DAB directly.

**3 Press TUNING MODE repeatedly until “AUTO” appears in the display.**

**4 Press + or – (or TUNING + or – on the unit).**

Service component list is played downward (DAB) or the frequency changes as the system scans for a station (FM/AM). Scanning stops automatically when a station is tuned in. At that time, “TUNED” and “STEREO” (for stereo program only) appear.

**If “TUNED” does not appear and the scanning does not stop**

Set the frequency of the desired radio station as described in steps 3 and 4 of “Manual tuning preset (FM/AM bands only)” (page 14).

Manual tuning is not available for DAB.

## 5 Press TUNER MEMORY.

The preset number flashes. Perform steps 6 and 7 while the preset number flashes.



Preset number

## 6 Press + or – (or TUNING + or – on the unit) repeatedly to select the desired preset number.

## 7 Press ENTER.

## 8 Repeat steps 4 through 7 to store other stations.

### Notes

- When tuning in a DAB station, it may take a few seconds before you hear any sound.
- Before you can receive DAB, you must complete the DAB Automatic Scan procedure (see “Scanning DAB stations” on page 13).
- You cannot preset the service component while “TUNED” is not displayed (DAB only).

### Tip

Press TUNING MODE to stop scanning (FM/AM bands only).

## Manual tuning preset (FM/AM bands only)

You can manually tune in and store the radio frequency of the desired stations.

## 1 Press TUNER/BAND (or FUNCTION repeatedly) to switch the function to TUNER.

## 2 Press TUNER/BAND repeatedly to select “FM” or “AM”.

## 3 Press TUNING MODE repeatedly until “AUTO” and “PRESET” disappear from the display.

## 4 Press + or – (or TUNING + or – on the unit) repeatedly to tune in the desired station.

## 5 Press TUNER MEMORY.

## 6 Press + or – (or TUNING + or – on the unit) repeatedly to select the desired preset number.

## 7 Press ENTER.

## 8 Repeat steps 4 through 7 to store other stations.

### Other operations

To	Do this
Tune in a station with a weak signal	Follow the procedure described in “Manual tuning preset (FM/AM bands only)” (page 14).
Set another station to the existing preset number	After step 5, press + or – (or TUNING + or – on the unit) repeatedly to select the preset number you want to store the station.

## Listening to the radio

You can listen to a radio station either by selecting a preset station, or by manually tuning in the station.

### Listening to a preset station

#### — Preset Tuning

Preset radio stations in the tuner's memory first (see "Presetting radio stations" on page 13).

- 1 Press TUNER/BAND (or FUNCTION repeatedly) to switch the function to TUNER.**
- 2 Press TUNER/BAND repeatedly to select "DAB", "FM" or "AM".**  
You can also use the DAB button to select DAB directly.
- 3 Press TUNING MODE repeatedly until "PRESET" appears in the display.**
- 4 Press + or – (or TUNING + or – on the unit) repeatedly to select the desired preset station.**

#### Note

If there is no stored preset station, "No Preset" appears (DAB only).

### Listening to non-preset radio station

#### — Manual Tuning (FM/AM bands only)

- 1 Press TUNER/BAND (or FUNCTION repeatedly) to switch the function to TUNER.**
- 2 Press TUNER/BAND repeatedly to select "FM" or "AM".**
- 3 Press TUNING MODE repeatedly until "AUTO" and "PRESET" disappear from the display.**
- 4 Press + or – (or TUNING + or – on the unit) repeatedly to tune in the desired station.**

#### Note

When switching to CD function from tuner, a longer time may be required to access the disc.

#### Tips

- To improve broadcast reception, adjust the supplied aerials, or connect a commercially available external aerial.
- When an FM stereo program has static noise, press FM MODE repeatedly until "MONO" appears. There will be no stereo effect, but the reception will improve.
- When a stereo FM program cannot be received in stereo, press FM MODE repeatedly until "STEREO" appears in the display.
- Press TUNING MODE repeatedly until "AUTO" appears in step 3 above, then press + or – (or TUNING + or – on the unit). The frequency indication changes and scanning stops when the system tunes in a station (Automatic Tuning).
- To record the radio programs, use manual recording (page 18).
- You can change the display into the clock display (for 8 seconds) by pressing DISPLAY.
- "SECONDARY" appears in the display when receiving secondary service (DAB only).
- Primary service is automatically received when secondary service ends.

# Using the Radio Data System (RDS)

## What is the Radio Data System?

Radio Data System (RDS) is a broadcasting service that allows radio stations to send additional information along with the regular program signal. This tuner offers convenient RDS features like station name. RDS is available only on FM stations.\*

### Note

RDS may not work properly if the station you are tuned in is not transmitting the RDS signal properly or if the signal is weak.

\* Not all FM stations provide RDS service, nor do they provide the same types of services. If you are not familiar with the RDS system, check with your local radio stations for details on RDS services in your area.

## Receiving RDS broadcasts

**Simply select a station from the FM band.**

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

### To check the RDS information


Each time you press DISPLAY, the display changes cyclically as follows:

Station name\* → Frequency → Clock display

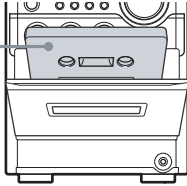
\* If the RDS broadcast is not properly received, the station name may not appear in the display.



### Loading a tape

- 1 Press **PUSH OPEN/CLOSE**  on the unit.
- 2 Load a recorded/recordable tape into the cassette holder.

With the side you want to play/record facing towards you.




### Playing a tape

You can use TYPE I (normal) tape.

- 1 Load a tape.
- 2 Press **TAPE** (or **FUNCTION** repeatedly) to switch the function to **TAPE**.
- 3 Press **▶** (or **TAPE/▶** on the unit).

### Other operations



To	Do this
Stop play	Press <b>■</b> .
Pause	Press <b>  </b> . Press again to resume play.
Fast-forward or rewind	Press <b>◀◀</b> or <b>▶▶</b> .
Remove a tape	Press <b>PUSH OPEN/CLOSE</b>  on the unit in stop mode.

## Tape – Recording

# Recording your favorite CD tracks on a tape

### — CD-TAPE Synchro Recording

You can record a whole CD on a tape.  
You can use TYPE I (normal) tape.

- 1 Load a recordable tape.**
- 2 Load a disc you want to record.**  
When you want to record an album from an MP3 disc, be sure to press PLAY MODE repeatedly to select , then press  + or – to select the desired album before proceeding.
- 3 Press CD SYNC on the unit.**  
“SYNC” and “REC” flash.  
The tape deck stands by for recording and the CD player pause for playback.
- 4 Press ● PAUSE/START on the unit.**  
Recording starts.  
When the recording is completed, the CD player and the tape deck stop automatically.

### To stop recording

Press .

### To record a disc by specifying track order

You can record only your favorite CD tracks using Program Play. Between steps 2 and 3, perform steps 1 to 5 of “Creating your own program” (page 12).


# Recording on a tape manually

### — Manual Recording

You can record just the portions you like from a CD, tape or radio program on a tape.  
You can also record from connected components (see “Hooking up optional components” on page 24).

- 1 Load a recordable tape.**
- 2 Press FUNCTION repeatedly to select the desired source to record.**
  - TUNER: To record from this system’s tuner.
  - CD: To record from this system’s CD player.
  - AUDIO IN: To record from the optional component connected to the AUDIO IN jack.
- 3 Press ● PAUSE/START on the unit.**  
“REC” flashes and the tape deck stands by for recording.
- 4 Press ● PAUSE/START on the unit, then start playing the desired source to record.**  
Recording starts.



### Other operations

To	Do this
Stop recording	Press  .
Pause recording	Press ● PAUSE/START on the unit.

### Note

You cannot listen to other sources while recording.

### Tips

- For recording from the tuner:  
If noise is heard while recording from the tuner, move the respective aerial to reduce the noise.
- For recording from a CD:  
You can press  or  to select tracks during recording pause mode (after step 3 and before step 4).

## Sound Adjustment

### Adjusting the sound

#### Generating a more dynamic sound (Dynamic Sound Generator X-tra)

Press **DSGX** on the unit.

Each time you press the button, the display changes as follows:

DSGX ON\* ↔ DSGX OFF

\* "DSGX" lights up.

#### Adjusting the bass and treble

You can adjust the bass and treble to enjoy more powerful sound.

**1** Press **EQ** repeatedly to select "**BASS**" or "**TREBLE**".

Each time you press the button, the display changes as follows:

BASS ↔ TREBLE

**2** Press **◀◀** or **▶▶** repeatedly to adjust the level while "**BASS**" or "**TREBLE**" appears.

#### To exit the bass and treble settings

Press any button other than **EQ**, **◀◀** or **▶▶**.

Also if you do not perform any operations for a few seconds, the display automatically returns to the original display.

## Timer

### Falling asleep to music

#### — Sleep Timer

You can set the system to turn off after a certain time, so that you can fall asleep to music.

Press **SLEEP**.

Each time you press the button, the minute display (the turn-off time) changes cyclically as follows:

AUTO\* → 90min → 80min → ... → 10min → OFF

\* The system automatically turns off in 100 minutes or after the current CD or tape finishes playing.

#### Other operations

To	Press
Check the remaining time*	SLEEP once.
Change the time to turn off	SLEEP repeatedly to select the time you want.
Cancel the Sleep Timer Function	SLEEP repeatedly until "OFF" appears.

\* You cannot check the remaining time if you select "AUTO".

#### Tip

You can use the Sleep Timer, even if you have not set the clock.

# Waking up to music

## — Play Timer

You can wake up to music at a preset time. Make sure you have set the clock (see “Setting the clock” on page 9).

Use buttons on the remote for the operation.

### 1 Prepare the sound source you want to play.

- CD: Load a disc. To start from a specific track, make a program (see “Creating your own program” on page 12).
- TAPE: Load a tape (see “Playing a tape” on page 17).
- TUNER: Tune in the preset radio station (see “Listening to the radio” on page 15).

### 2 Press VOLUME + or – (or turn VOLUME control on the unit) to adjust the volume.

### 3 Press CLOCK/TIMER SET.

### 4 Press I◀◀ or ▶▶I repeatedly to select “PLAY”, then press ENTER.

“ON TIME” appears and the hour indication flashes.

### 5 Set the time to start playing.

Press I◀◀ or ▶▶I repeatedly to set the hour, then press ENTER.

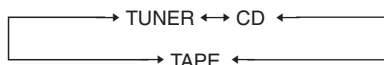
The minute indication flashes.

Press I◀◀ or ▶▶I repeatedly to set the minute, then press ENTER.

### 6 Set the time to stop playing following the same procedure as step 5.

### 7 Press I◀◀ or ▶▶I repeatedly until the desired sound source appears.

Each time you press the button, the display changes cyclically as follows:



### 8 Press ENTER.

The start time, the stop time and the sound source appear in turn, then the original display returns.

### 9 Press I/⏻ to turn off the system.

## Other operations

To	Do this
Activate the timer/ check the setting	<b>1</b> Press CLOCK/TIMER SELECT. <b>2</b> Press I◀◀ or ▶▶I repeatedly until “PLAY” appears, then press ENTER.
Change the setting	Start over from step 1.
Cancel the timer	<b>1</b> Press CLOCK/TIMER SELECT. <b>2</b> Press I◀◀ or ▶▶I repeatedly until “OFF” appears, then press ENTER.

### Notes

- If you use the Play Timer and the Sleep Timer at the same time, the Sleep Timer has priority.
- Do not operate the system from the time the system turns on until the play starts (about 15 seconds before the preset time).
- If the system is on about 15 seconds before the preset time, the Play Timer will not be activated.
- You cannot use the optional component connected to AUDIO IN jack as the sound source for Play Timer.
- You cannot activate the Play Timer and the Rec Timer at the same time.
- The Play Timer setting remains as long as the setting is not canceled manually.

# Timer recording radio programs

## — Rec Timer

You can record a preset radio station from a specified time.

To timer record, you must first preset the radio station (see “Presetting radio stations” on page 13) and set the clock (see “Setting the clock” on page 9).

Use buttons on the remote for the operation.

- 1 Tune in the preset radio station (see “Listening to a preset station” on page 15).**
- 2 Press CLOCK/TIMER SET.**  
“PLAY” appears.
- 3 Press ◀◀ or ▶▶ repeatedly to select “REC”, then press ENTER.**  
“ON TIME” appears and the hour indication flashes.
- 4 Set the time to start recording.**  
Press ◀◀ or ▶▶ repeatedly to set the hour, then press ENTER.  
The minute indication flashes.  
Press ◀◀ or ▶▶ repeatedly to set the minute, then press ENTER.
- 5 Set the time to stop recording following the same procedure as step 4.**  
Rec Timer settings and the desired station appear, then the original display returns.
- 6 Load a recordable tape.**
- 7 Press I/⏻ to turn off the system.**

## Other operations

To	Do this
Activate the timer/ check the setting	<b>1</b> Press CLOCK/TIMER SELECT. <b>2</b> Press ◀◀ or ▶▶ repeatedly until “REC” appears, then press ENTER.
Change the setting	Start over from step 1.
Cancel the timer	<b>1</b> Press CLOCK/TIMER SELECT. <b>2</b> Press ◀◀ or ▶▶ repeatedly until “OFF” appears, then press ENTER.

### Notes

- If you use the Rec Timer and the Sleep Timer at the same time, the Sleep Timer has priority.
- Do not operate the system from the time the system turns on until the recording starts (about 15 seconds before the preset time).
- If the system is on about 15 seconds before the preset time, the Rec Timer will not be activated.
- The volume is reduced to minimum during recording.
- You cannot activate the Play Timer and the Rec Timer at the same time.
- After you have set Rec Timer, do not operate the system until the recording ends.
- The Rec Timer is canceled automatically after the Rec Timer has been activated.

## Display

### Turning off the display

#### — Power Saving Mode

The clock display can be turned off to minimize the amount of power consumed during standby (Power Saving Mode).

**Press DISPLAY repeatedly while the system is off until the clock display disappears.**

#### To cancel Power Saving Mode

Press DISPLAY while the system is off. Each time you press the button, the display switches cyclically as follows:

Clock display\* ↔ No display (Power Saving Mode)

\* The clock is displayed only if you set the clock.

#### Note

You cannot set the clock in Power Saving Mode.

#### Tips

- STANDBY indicator lights up even in Power Saving Mode.
- The timer continues to operate in Power Saving Mode.

## Viewing information about the disc in the display

You can check the playing time and remaining time of the current track or that of the disc.

When a disc with MP3 audio tracks is loaded, you can also check the information recorded on disc, such as the titles and the artist's names.

### Checking the remaining time and titles

**Press DISPLAY repeatedly during Normal Play.**

Each time you press the button, the display changes cyclically as follows:

Current track number and elapsed playing time → Current track number and remaining time or “\_ \_ \_ \_”<sup>1)</sup> → Remaining time of the disc or “\_ \_ \_ \_”<sup>1)</sup> → Track title and the artist name (disc with MP3 audio tracks<sup>2)</sup> only) → Album name<sup>2)</sup> → Clock display (for eight seconds)

<sup>1)</sup> “\_ \_ \_ \_” appears when you select a CD track whose number is 21 or over, or when you select an MP3 audio track.

<sup>2)</sup> When you play back a track with an ID3 tag ver. 1 or ver. 2, the ID3 tag appears. The ID3 tag displays the track title, the artist name and the album name information.

## Checking the total playing time and titles

Press **DISPLAY** repeatedly in stop mode.

Each time you press the button, the display changes cyclically as follows:

### ■ When a CD/MP3 is in Program Play mode

The last track number of the program and the total playing time → Total track number of the program (for eight seconds) → Volume label<sup>1)</sup> → Clock display (for eight seconds)

### ■ When a CD/MP3 is in other mode

TOC display<sup>2)</sup> or total number of albums on the disc<sup>3)</sup> or total track number of the current album<sup>3)</sup> → Volume label<sup>3)</sup> or album name<sup>3)</sup> → Clock display (for eight seconds)

<sup>1)</sup> For discs with MP3 audio tracks

<sup>2)</sup> TOC = Table of Contents; displays current disc number, total number of tracks on the disc and total playing time of the disc.

<sup>3)</sup> For discs with MP3 audio tracks, album titles and the artist names may not be displayed depending on the play mode.

## Viewing the tuner information in the display

Press **DISPLAY** while listening to the radio.

Each time you press the button, the display changes cyclically as follows:

Station name → Frequency → Clock display (for eight seconds)

## Checking the DAB station information

You can check the status of this tuner and the information about the program using the display.

Press **DISPLAY** repeatedly when tuning in a DAB station.

Each time you press the button, the display changes cyclically as follows:

Service component label → Channel label + Frequency (for four seconds) → DLS (Dynamic Label Segment)<sup>1)</sup> → Ensemble label (until scroll ends)<sup>2)</sup> → Clock display (for eight seconds)

<sup>1)</sup> If there is no information in a service component, “No Text” appears.

<sup>2)</sup> If an ensemble does not have a label, “No Label” appears.

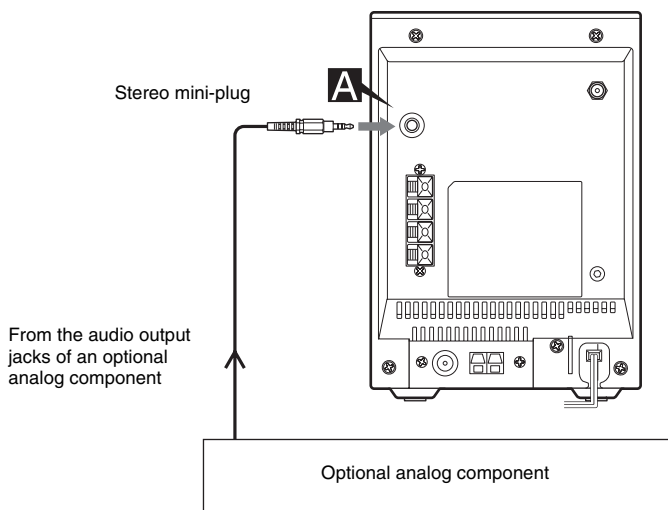
### Note

When “STEREO” appears in the display, the current program is broadcasted in the stereo/joint (intensity) stereo mode.

## Optional Components

### Hooking up optional components

To enhance your system, you can connect optional components. Refer to the operating instructions provided with each component.



#### **A** AUDIO IN jack

Use audio cords (not supplied) to connect an optional analog component (Portable Audio Player, etc.) to this jack. You can then record or listen to the sound from the component through this system.

#### Notes

- Before connecting or disconnecting the audio cord (not supplied), press VOLUME – repeatedly (or turn the VOLUME control on the unit counterclockwise) to turn down the volume.
- Disconnect the audio cords when not using optional components.

#### Listening to audio from a connected component

- 1 Connect the audio cords.  
See “Hooking up optional components”.
- 2 Press FUNCTION repeatedly until “AUDIO IN” appears.  
Start playing the connected component.

#### Recording audio from a connected component

- 1 Connect the audio cords.
- 2 Start recording manually.  
See “Recording on a tape manually” on page 18.

#### Notes

- If the connected component has the AVLS (Automatic Volume Limiter System) function, be sure to turn off the function when using the AUDIO IN. Otherwise, you will have to turn up the volume of the speaker, and that may cause distortion.
- If the connected component has the BASS BOOST or MEGA BASS function, be sure to turn off the function when using the AUDIO IN. Otherwise, the sound from the speaker may be distorted.



## Troubleshooting

### Problems and remedies

Should you encounter a problem with your system, do the following:

- 1 Make sure the mains lead and speaker cords are correctly and firmly connected.
- 2 Find your problem in the troubleshooting checklist below and take the indicated corrective action.

If the problem persists after doing all of the above, consult your nearest Sony dealer.

#### When the **STANDBY** indicator flashes

Immediately unplug the mains lead and check the following items.

- Are the + and – speaker cords short-circuited?
- Are you using the supplied speakers?
- Is anything blocking the ventilation holes on the rear of the system?

Check all the above items and fix any problems found. After STANDBY indicator stops flashing, reconnect the mains lead and turn on the system. If the indicator still flashes, or if the cause of the problem cannot be found even after checking all the above items, consult your nearest Sony dealer.

## General

---

### “- -: -” appears in the display.

- A power interruption has occurred. Set the clock (page 9) and timer settings (pages 20 and 21) again.

---

### The clock setting/radio presetting/timer is canceled.

- Redo the following:
  - “Setting the clock” (page 9)
  - “Presetting radio stations” (page 13)
  - “Activate the timer/check the setting” (pages 20 and 21)
  - “Timer recording radio programs” (page 21)

---

### There is no sound.

- Press VOLUME + or turn VOLUME control on the unit clockwise.
- Make sure the headphones are not connected.
- Check the speaker connections (page 7).
- There is no audio output during Rec Timer.
- Connect the aerial.
- The specified station has temporarily stopped broadcast.
- Perform the DAB Automatic Scan procedure (page 13).

---

### Sound comes from one channel, or unbalanced left and right volume.

- Place the speakers as symmetrically as possible.
- Connect the supplied speakers.

---

### There is severe hum or noise.

- Move the system away from the source of noise.
- Connect the system to a different mains.
- Install a noise filter (commercially available) to the mains lead.

---

### The timer cannot be set.

- Set the clock again (page 9).

---

### The timer does not function.

- Press CLOCK/TIMER SELECT to set the timer and light up “⊖ PLAY” or “⊖ REC” in the display (pages 20 and 21).
- Check the timer setting and set the correct time (pages 20 and 21).
- Cancel the Sleep Timer function (page 19).
- Make sure the clock is correctly set.

---

### The remote does not function.

- Remove the obstacle.
- Move the remote closer to the system.
- Point the remote at the system’s sensor.
- Replace the batteries (R6/size AA).

- Locate the system away from the fluorescent light.

---

**The system can not be turned on even though you have pressed I/⏻.**

- Make sure the mains lead is connected to mains.

---

**The color irregularity on a TV screen persists.**

- Move the speakers farther away from the TV set.
- 

## Speakers

---

**Sounds come from one channel, or unbalanced left and right volume.**

- Check the speaker connections and placement.
- 

## CD/MP3 player

---

**Play does not start.**

- Wipe the disc clean (page 29).
  - Replace the disc.
  - Place the disc that this system can play.
  - Place the disc correctly in the center of the CD compartment.
  - Place the disc in the CD compartment with the label side up.
  - Remove the disc and wipe away the moisture on the disc, then leave the system turned on for a few hours until the moisture evaporates.
  - Press ► (or CD/►|| on the unit) to start play.
  - When switching to CD function from tuner, a longer time may be required to access the disc.
- 

**The sound skips.**

- Wipe the disc clean (page 29).
  - Replace the disc.
  - Try moving the system to a place without vibration (e.g., on top of a stable stand).
  - Try moving the speakers away from the system, or placing them on separate stands. When you listen to a track with bass sounds at high volume, the speaker vibration may cause the sound to skip.
- 

**Play does not start from the first track.**

- Press PLAY MODE repeatedly until both “PGM” and “SHUF” disappear to return to Normal Play.
- 

**MP3 audio track cannot be played back.**

- Recording was not performed according to the ISO9660 level 1 or level 2 format, or Joliet in the expansion format.
  - The MP3 audio track does not have the extension “.MP3”.
  - The data is not stored in MP3 format.
  - Discs containing files other than MPEG 1, 2 Audio Layer-3 files cannot be played.
- 

---

**MP3 audio tracks take longer to play back than others.**

- After the system reads all tracks on the disc, playback may take more time than usual if:
    - the number of albums or tracks on the disc is very large.
    - the album and track organization structure is very complex.
- 

---

**The album name, file name and ID3 tag information (album name, track title and artist name) do not appear correctly.**

- Use a disc that conforms with ISO9660 level 1, level 2 or Joliet in the expansion format.
  - The Disc ID3 tag is not ver.1 nor ver.2.
  - Only up to 30 characters of ID3 tags are displayed.
  - The characters that can be displayed by this system are as follows:
    - A to Z
    - a to z
    - 0 to 9
    - ! " # \$ % & ' ( ) \* + , - . / : ; < = > ? @ [ \ ] ^ \_ { | } ~
  - Other characters may not be displayed correctly.
- 

## Tuner

---

**Severe hum or noise/stations cannot be received.**

- Set the proper band and frequency (page 13).
  - Connect the aerial properly (page 7).
  - Find a place and an orientation that provide good reception, then set up the aerial again. If you cannot obtain good reception, we recommend you connect a commercially available external aerial.
  - The supplied FM lead aerial receives signals along its entire length, so make sure you extend it fully.
  - Connect an external aerial for DAB/FM broadcasts.
  - Locate the aerials as far away from the speaker cords as possible.
  - Consult your nearest Sony dealer if the supplied AM aerial has come off the plastic stand.
  - Try turning off surrounding electrical equipment.
- 

**A stereo FM program cannot be received in stereo.**

- Press FM MODE until “STEREO” appears in the display.
-

---

### RDS isn't working.

- Make sure that you tune in an FM station.
- Select a stronger FM station.

---

### The appropriate display or information does not appear.

- Contact the radio station and find out whether or not they actually provide the service in question. The service may be temporarily out of order.

---

### The tuner malfunctions.

- The microprocessor in the tuner has malfunctioned. Turn off the tuner, then turn it on again.

---

### "TUNED" does not appear in the display (DAB only).

- Check all aerial connections, then perform the DAB Automatic Scan (page 13).
- The current DAB service is not available. Press + or – (or TUNING + or – on the unit) to select a different service.
- If you have moved to another area, some services/frequencies may have changed and you may not be able to tune into your usual broadcast. Perform the DAB Automatic Scan procedure to re-register the contents of broadcasts. (Performing this procedure clears all previously stored presets.)

---

### "No Service" is displayed (DAB only).

- Check all aerial connections, then perform the DAB Automatic Scan (page 13).

---

### Service Component label, Ensemble label and DLS information do not appear correctly.

- The characters that can be displayed by this system are as follows:
  - A to Z
  - a to z
  - 0 to 9
  - ! " # \$ % & ' ( ) \* + , - . / : ; < = > ? @ [ \ ] ^ \_ ` { | } ~
- Other characters may not be displayed correctly.

---

### Tape deck

---

#### The tape does not record or play, or there is a decrease in sound level.

- The heads are dirty. Clean them (page 30).
- The record/playback heads are magnetized. Demagnetize them (page 30).

---

#### The tape does not erase completely.

- The record/playback heads are magnetized. Demagnetize them (page 30).

---

#### There is excessive wow or flutter, or the sound drops out.

- The capstans in the tape deck are dirty. Clean them (page 30).

---

#### Noise increases or the high frequencies are erased.

- The record/playback heads are magnetized. Demagnetize them (page 30).

---

#### The tape does not record.

- No cassette is loaded. Load a cassette.
- The tab has been removed from the cassette. Cover the broken tab with adhesive tape (page 30).
- The tape has wound to the end.

---

## Optional components

---

### There is no sound.

- Refer to General item "There is no sound." (page 25) and check the condition of the system.
- Connect the component properly (page 24) while checking:
  - if the cords are connected properly.
  - if the cord plugs are firmly inserted all the way.
- Turn on the connected component.
- Refer to the operating instructions supplied with the connected component and start playing.
- Press FUNCTION repeatedly to select "AUDIO IN" (page 24).

---

### The sound is distorted.

- Set the volume of the connected component lower.

---

### If the system still does not operate properly after performing the above measures, reset the system as follows:

Use buttons on the unit for the operation.

- 1 Disconnect the mains lead.
- 2 Reconnect the mains lead.
- 3 Press I/⏻ to turn on the system.
- 4 Press ■ and I/⏻ at the same time.

The system is reset to the factory settings. You should set the settings you made, such as the preset stations, clock, and timer.

# Messages

One of the following messages may appear or flash in the display during operation.

---

## CD/MP3

### Step Full!

You tried to program 26 or more tracks (steps).

---

### No Disc

There is no disc in the player.

---

### No Step

All of the programmed tracks have been erased.

---

### Over

You have reached the end of the disc while pressing and holding ►► during playback or pause.

---

### Push STOP!

You pressed PLAY MODE during playback.

---

## Tuner

---

### Complete!

The preset operation ended normally.

---

### No Service (DAB only)

There is no supported DAB broadcast in your country or region.

---

### No Preset (DAB only)

There is no stored preset station.

---

## Tape

---

### No Tab

You cannot record the tape because the tab has been removed from the cassette.

---

### No Tape

There is no tape in the tape deck.

---

## Timer

---

### PUSH SELECT!

You tried to set the clock or timer during timer operation.

---

### SET CLOCK!

You tried to select the timer with the clock not set.

---

### SET TIMER!

You tried to select the timer when Play Timer or Rec Timer are not set.

---

## TIME NG!

The Play Timer or Rec Timer start and end times are set to the same time.

---

## Additional Information

### Precautions

#### On operating voltage

- Before operating the system, check that the operating voltage of your system is identical with the voltage of your local power supply.

#### On safety

- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Unplug the system from the wall outlet (mains) if it is not to be used for an extended period of time. To disconnect the mains lead, pull it out by the plug. Never pull the cord itself.
- Should any solid object or liquid fall into the system, unplug the system and have it checked by qualified personnel before operating it any further.
- AC power cord must be changed only at the qualified service shop.

#### On placement

- Do not place the system in an inclined position.
- Do not place the system in locations where it is:
  - Extremely hot or cold
  - Dusty or dirty
  - Very humid
  - Subject to vibrations
  - Subject to direct sunlight.
- Use caution when placing the unit or speakers on surfaces that have been specially treated (with wax, oil, polish, etc.) as staining or discoloration of the surface may result.

#### On heat buildup

- Although the system heats up during operation, this is not a malfunction.
- Place the system in a location with adequate ventilation to prevent heat build-up in the system.
- If you continuously use this system at a high volume, the cabinet temperature of the top, side and bottom rises considerably. To avoid burning yourself, do not touch the cabinet.
- To prevent a malfunction, do not cover the ventilation hole.

#### On the speaker system

This speaker system is not magnetically shielded and the picture on TV sets may become magnetically distorted. In such a case, turn off the power of the TV set once, and after 15 to 30 minutes turn it on again.

**If there seems to be no improvement**, locate the speaker system further away from the TV set.

#### On operation

- 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. Should this occur, the system will not operate properly. Remove the disc and leave the system turned on for about an hour until the moisture evaporates.
- When you move the system, take out any disc.

If you have any questions or problems concerning your system, please consult your nearest Sony dealer.

#### Notes on discs

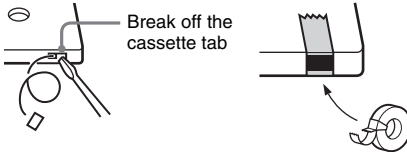
- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the center out.
- Do not use solvents such as benzene, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.
- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight.
- Do not use discs encircled with a protection ring. This may cause a malfunction to the system.
- When using discs that have glue or similar tacky substance on the label side of the disc or that used a special ink when the label was printed, there is a chance that the disc or label may become attached to parts inside this unit. When this occurs, it may not be possible to remove the disc, and may also cause this unit to malfunction. Be sure to check that the label side of the disc is not sticky before using. The following types of disc should not be used:
  - Rental or used discs with attached seals where the glue extends beyond the seal. The perimeter of the seal on the disc is tacky.
  - Discs that have labels printed using a special ink that feels tacky when touched.
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this unit. Attempting to do so may damage the unit. Do not use such discs.

#### Cleaning the cabinet

Clean the cabinet, panel and controls with a soft cloth slightly moistened with mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as thinner, benzene or alcohol.

### To save a tape permanently

To prevent a tape from being accidentally recorded over, break off the cassette tab from side A or B as illustrated.



If you later want to reuse the tape for recording, cover the broken tab with adhesive tape.

### Before placing a cassette in the tape deck

Take up any slack in the tape. Otherwise, the tape may get entangled in the parts of the tape deck and become damaged.

### When using a tape longer than 90 minutes

The tape is very elastic. Do not change the tape operations such as play, stop, and fast-winding frequently. The tape may get entangled in the tape deck.

### Cleaning the tape heads

Clean the tape heads after every 10 hours of use. Be sure to clean the tape heads before you start an important recording or after playing an old tape. Use a separately sold dry-type or wet-type cleaning cassette. For details, refer to the instructions of the cleaning cassette.

### Demagnetizing the tape heads

Demagnetize the tape heads and the metal parts that have contact with the tape after every 20 to 30 hours of use with a separately sold demagnetizing cassette. For details, refer to the instructions of the demagnetizing cassette.

## Specifications

### Main unit

#### Amplifier section

DIN power output (rated): 11 + 11 W (6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference): 15 + 15 W (6 ohms at 1 kHz, 10% THD)

Music power output (reference): 28 + 28 W

#### Inputs

AUDIO IN: Sensitivity 250 mV, impedance 47 kilohms

#### Outputs

PHONES: Accepts headphones with an impedance of 8 ohms or more

SPEAKER: Accepts impedance of 6 to 16 ohms.

### CD player section

Laser Diode Properties Emission duration: continuous  
Laser Output: Less than 44.6  $\mu$ W  
(This output is the value measurement 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

### Tape deck section

Recording system 4-track 2-channel, stereo

## Tuner section

DAB tuner section

Frequency range

Band-III: 174.928 (5A) –  
239.200 (13F) MHz

L-Band: 1,452.960 MHz (LA) –  
1,490.624 MHz (LW)  
(L-Band is not available  
for the UK model.)

\* For details, see “DAB frequency table” below.

Aerial terminal 75 ohms, F female

FM stereo, FM/AM superheterodyne tuner

### FM tuner section

Tuning range 87.5 – 108.0 MHz

Aerial FM lead aerial

Aerial terminals 75 ohms unbalanced

Intermediate frequency 10.7 MHz

### AM tuner section

Tuning range 531 – 1,602 kHz  
(with the tuning interval  
set at 9 kHz)

Aerial AM loop aerial, external  
aerial terminal

Intermediate frequency 450 kHz

## DAB frequency table

### Band-III

Frequency	Label	Frequency	Label
174.928 MHz	5A	209.936 MHz	10A
176.640 MHz	5B	211.648 MHz	10B
178.352 MHz	5C	213.360 MHz	10C
180.064 MHz	5D	215.072 MHz	10D
181.936 MHz	6A	216.928 MHz	11A
183.648 MHz	6B	218.640 MHz	11B
185.360 MHz	6C	220.352 MHz	11C
187.072 MHz	6D	222.064 MHz	11D
188.928 MHz	7A	223.936 MHz	12A
190.640 MHz	7B	225.648 MHz	12B
192.352 MHz	7C	227.360 MHz	12C
194.064 MHz	7D	229.072 MHz	12D
195.936 MHz	8A	230.784 MHz	13A
197.648 MHz	8B	232.496 MHz	13B
199.360 MHz	8C	234.208 MHz	13C
201.072 MHz	8D	235.776 MHz	13D
202.928 MHz	9A	237.488 MHz	13E
204.640 MHz	9B	239.200 MHz	13F
206.352 MHz	9C		
208.064 MHz	9D		

## L-Band

Frequency	Label
1,452.960 MHz	LA
1,454.672 MHz	LB
1,456.384 MHz	LC
1,458.096 MHz	LD
1,459.808 MHz	LE
1,461.520 MHz	LF
1,463.232 MHz	LG
1,464.944 MHz	LH
1,466.656 MHz	LI
1,468.368 MHz	LJ
1,470.080 MHz	LK
1,471.792 MHz	LL
1,473.504 MHz	LM
1,475.216 MHz	LN
1,476.928 MHz	LO
1,478.640 MHz	LP
1,480.352 MHz	LQ
1,482.064 MHz	LR
1,483.776 MHz	LS
1,485.488 MHz	LT
1,487.200 MHz	LU
1,488.912 MHz	LV
1,490.624 MHz	LW

### Note

L-Band is not available for the UK model.

### Speaker

Speaker system	Full Range Speaker System
Speaker units	10 cm dia., cone type
Nominal impedance	6 ohms
Dimensions (w/h/d)	Approx. 145 × 235 × 155 mm
Mass	Approx. 1.5 kg net per speaker

### General

Power requirements	AC 230 V, 50/60 Hz
Power consumption	50 W 0.3 W (in Power Saving Mode)
Dimensions (w/h/d) (excl. speakers)	Approx. 164 × 235 × 265 mm

Mass (excl. speakers)	Approx. 3.6 kg
Supplied accessories	Remote Commander (1) R6 (size AA) batteries (2) AM loop aerial (1) DAB/FM lead aerial (2)

Design and specifications are subject to change without notice.



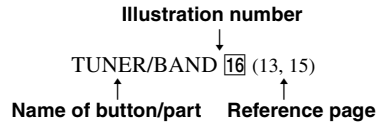
- Standby power consumption: 0.3 W
- Halogenated flame retardants are not used in the certain printed wiring boards.
- Lead-free solder is used for soldering certain parts.
- Halogenated flame retardants are not used in cabinets.



# List of button locations and reference pages

## How to use this page

Use this page to find the location of buttons and other parts of the system that are mentioned in the text.



## Main unit

### ALPHABETICAL ORDER

#### A - S

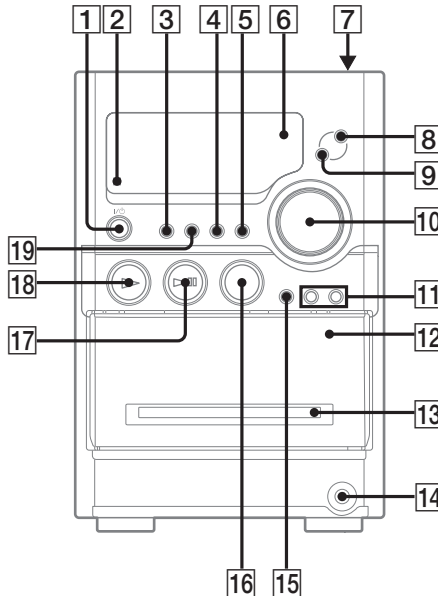
- CD SYNC 19 (18)
- DAB 8 (13, 15)
- DAB AUTO SCAN 9 (13)
- Display window 6
- DSGX 3 (19)
- PHONES jack 14
- PLAY MODE 5 (10, 12, 18)
- Remote sensor 2

#### T - Z

- Tape deck 13 (17)
- TUNER/BAND 16 (13, 15)
- TUNING +/- 11 (13, 15)
- TUNING MODE 5 (13, 15)
- VOLUME control 10 (20, 25)

### BUTTON DESCRIPTIONS

- I/⏻ (power) 1 (8, 20, 21, 27)
- PAUSE/START 4 (18)
- ▲ PUSH OPEN/CLOSE (CD open/close) 7
- ◀◀◀/▶▶▶ (rewind/fast forward, go back/go forward) 11 (9, 11, 17, 19, 20)
- PUSH OPEN/CLOSE ▲ (tape open/close) 12 (17)
- (stop) 15 (11, 17, 27)
- CD/▶▶ (play) 17 (10)
- TAPE/▶▶ 18 (17)



continued

# Remote control

## ALPHABETICAL ORDER

### A - O

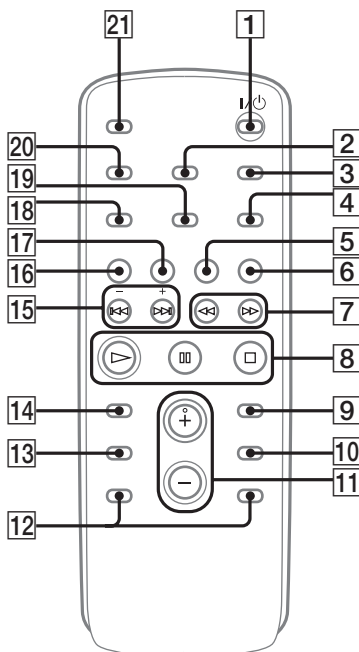
CD **17** (10, 12)  
 CLEAR **14** (12)  
 CLOCK/TIMER SELECT **2**  
 (20, 21)  
 CLOCK/TIMER SET **3** (9, 20,  
 21)  
 DAB **6** (13, 15)  
 DISPLAY **20** (16, 22, 23)  
 ENTER **9** (9, 12, 14, 20, 21)  
 EQ **13** (19)  
 FM MODE **4** (15)  
 FUNCTION **10** (10, 12, 13, 15,  
 24)

### P - Z

PLAY MODE **19** (10, 12, 18)  
 REPEAT **4** (11)  
 SLEEP **21** (19)  
 TAPE **16** (17)  
 TUNER/BAND **5** (13, 15)  
 TUNER MEMORY **18** (14)  
 TUNING MODE **19** (13, 15)  
 VOLUME +/- **11** (20, 25)

## BUTTON DESCRIPTIONS

I/⏻ (power) **1** (8, 20, 21, 27)  
 ◀◀/▶▶ (rewind/fast forward)  
**7** (11, 17)  
 ▶ (play) **8** (10, 17)  
 || (pause) **8** (11, 17)  
 ■ (stop) **8** (11, 17)  
 📁 +/- (select album) **12** (11, 12,  
 18)  
 ◀◀/▶▶ (go back/go forward)  
**15** (9, 11, 17, 19, 20)  
 -/+ (tuning) **15** (13, 15)







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