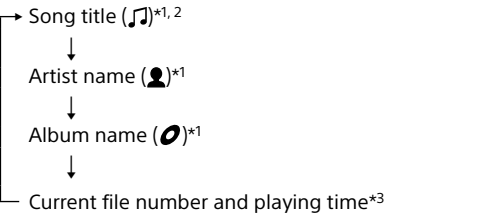


Other Operations

Using the display

Checking the information of an audio CD
Press **■** **[4]** twice to cancel Resume Play. The total number of tracks and total playing time appear on the display.

Checking MP3/WMA/AAC file information
Press DISPLAY **[6]** repeatedly while playing an MP3/WMA file on the disc or an MP3/WMA/AAC file on the USB device.
The display changes as follows:



* If the file does not have corresponding ID3, WMA or AAC tag information, the file name, "NO ARTIST", and "NO ALBUM" scroll on the display instead of the song title, artist name, and album name.
* The function name is displayed for 2 seconds before the song title appears.
* The artist name or album name will change to this in a few seconds.

Checking the connected BLUETOOTH device name
Press DISPLAY **[6]** while connecting the BLUETOOTH device.

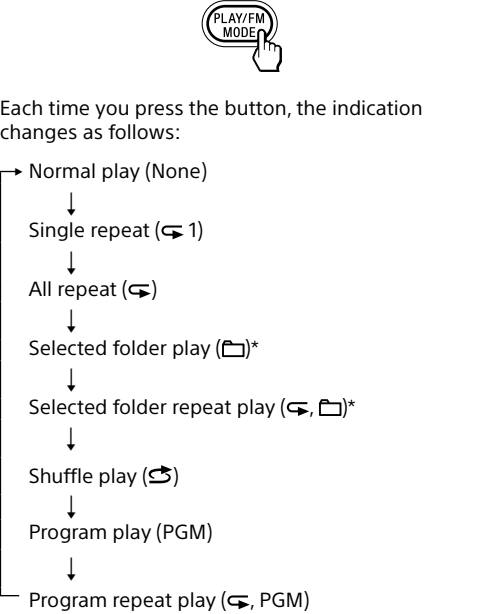
Checking the radio information
Press DISPLAY **[6]** repeatedly while listening to the radio.
The display changes as follows:
Preset number*1, 2 ← Frequency

*1 A preset number is displayed only when you are listening to the preset radio station.
*2 The display automatically returns to the frequency display after 2 seconds have elapsed.

Selecting play mode

You can set the unit to play tracks or files repeatedly or in random order while a disc/USB device is stopped.

Press PLAY MODE **[3]** repeatedly.



* These functions are available only when playing MP3/WMA files on an MP3/WMA disc or MP3/WMA/AAC files on a USB device.

Playing tracks/files repeatedly (Repeat Play)

You can set the unit to repeatedly play CD-DA tracks on an audio CD, MP3/WMA files on a CD-R/CD-RW disc, or MP3/WMA/AAC files on a USB device in normal and program play modes.

- Press CD **[8]** or USB **[8]** to turn on the CD or USB function.
- Proceed as follows.

To repeat	Do this
A single track/file	- Press PLAY MODE [3] repeatedly until "1" appears. - Press ◀◀ or ▶▶ [7] to select a track/file that you want to repeat. - Press ▶ [5].
All tracks/files	- Press PLAY MODE [3] repeatedly until "☞" appears. - Press ▶ [5].
A selected folder on an MP3/WMA disc or USB device	- Press PLAY MODE [3] repeatedly until "☞" and "☞" appear. - Select a folder by pressing ☐ + or – [7]. - Press ▶ [5].
Programmed tracks/files	- Press tracks/files (see "Creating your own program (Program Play)"). - Press PLAY MODE [3] until "PGM" and "☞" appear on the display. - Press ▶ [5].

To cancel Repeat Play
Press **■** **[4]** to stop playback, and then press PLAY MODE **[3]** repeatedly until "☞" (or "☞ 1") disappears from the display.

Playing tracks/files in random order (Shuffle Play)

You can set the unit to play CD-DA tracks on an audio CD, MP3/WMA files on a CD-R/CD-RW disc or MP3/WMA/AAC files on a USB device in random order.

- Press CD **[8]** or USB **[8]** to turn on the CD or USB function.
- Press PLAY MODE **[3]** repeatedly until "☞" appears on the display.
- Press **▶** **[5]** to start Shuffle Play.

To cancel Shuffle Play
Press **■** **[4]** to stop playback, and then press PLAY MODE **[3]** repeatedly until "☞" disappears from the display.

Tip
During Shuffle Play, you cannot select the previous track/file by pressing **◀◀** **[7]**.

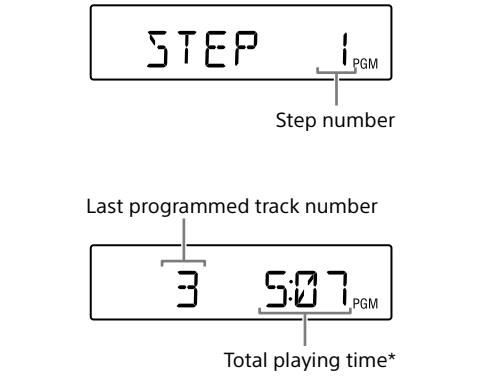
Creating your own program (Program Play)

You can arrange the playing order of up to 25 tracks/files on a disc/USB device.

- Press CD **[8]** or USB **[8]** to turn on the CD or USB function.
- Press PLAY MODE **[3]** repeatedly until "PGM" appears on the display.
- Press **◀◀** or **▶▶** **[7]** to select a track/file. When you want to specify a folder that contains MP3/WMA/AAC files, press **☐** + or – **[7]** first to select a folder, and then press **◀◀** or **▶▶** **[7]** to select a file.

- Press ENTER **[2]**.

The track/file is programmed. The program step number appears, followed by the total playing time. (Example: audio CD)



* "----" appears when programming an MP3/WMA disc/USB device or when the total playing time is longer than 100 minutes.
5 Repeat steps 3 and 4 to program additional tracks/files.
6 Press **▶** **[5]** to start Program Play. To play the same program again, press **▶** **[5]**. Note that the created program is cleared in the following cases:
—When you open the CD compartment.
—When you connect another USB device.
—When you turn off the power of the unit in the CD function.

Note
If you try to program 26 tracks/files or more, "FULL" flashes on the display.

To display programmed track/file information
After creating your own program, you can check information about programmed tracks/files.

Press DISPLAY **[6]** repeatedly and the display changes as follows:

Total number of steps ↔ Last programmed track/ file number and the total playing time*

* "----" appears for MP3/WMA discs and USB devices.

To cancel Program Play
Press **■** **[4]** to stop playback, and then press PLAY MODE **[3]** repeatedly until "PGM" disappears from the display.

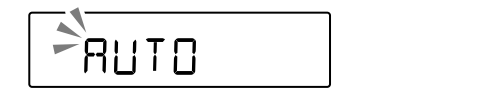
To delete all tracks/files in the current program

Stop playback, and then press **■** **[4]**. "NO STEP" appears and you can create a new program, following the procedure "Creating your own program (Program Play)".

Presetting radio stations

You can store radio stations in the unit's memory. You can preset up to 30 radio stations, 20 for FM and 10 for AM.

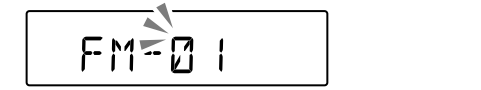
- Press FM/AM **[8]** repeatedly to turn on the radio function and select the band "FM" or "AM."
- Hold down FM/AM **[8]** until "AUTO" flashes on the display.



- Press ENTER **[2]** to store the station. The stations are stored in memory from lower frequencies to higher ones.

If a station cannot be preset automatically
You need to preset a station with a weak signal manually.

- Press FM/AM **[8]** repeatedly to select a band.
- Tune to the desired station.
- Hold down ENTER **[2]** until "FM-xx" or "AM-xx" flashes on the display. (Example: FM)



- Press PRESET + or – **[7]** until the preset number for the station you want flashes on the display.
- Press ENTER **[2]** to store the station. If another station is already assigned to the selected preset number, that station is replaced by the new one.

Tip
The preset radio stations remain in the unit's memory even in the following situations.
—The AC power cord is unplugged.
—The batteries are removed.

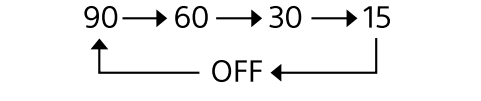
Listening to preset radio stations

- Press FM/AM **[8]** repeatedly to turn on the radio function and select the band "FM" or "AM."
- Press PRESET + or – **[7]** to select a stored preset number for the desired radio station.

Using the Sleep Timer

You can set the unit to turn off automatically after a set time has elapsed.

- Press SLEEP **[8]**. The default setting ("90") appears and the "SLEEP" indicator lights up on the display.
- Press SLEEP **[8]** repeatedly to select the desired setting.



Each time you press the button, the duration (in minutes) changes on the display, and the selected setting is confirmed automatically after about 4 seconds.

Tip
You can check the time left until the unit turns off by pressing SLEEP **[8]** again after setting the sleep timer.

Connecting optional components

You can enjoy the sound from an optional component, such as a portable digital music player, through the speakers of this unit. Be sure to turn off the power of each component before making any connections. For details, refer to the instruction manual of the component to be connected.

- Connect the AUDIO IN jack **[5]** to the line output jack of the portable digital music player or other component using an audio connection cable (not supplied).
- Turn the connected component on.
- Press AUDIO IN **[8]** and start playing sound on the connected component. The sound from the connected component is output from the speakers.

To connect the unit to a TV or video recorder/player, use an extension cable (not supplied) with a stereo-mini jack on one end and two phono plugs on the other end.

Additional Information

Compatible devices

Compatible USB devices

Compatibility requirements for the USB devices are as follows. Before using a device with this unit, check that it meets the requirements.

- Compliance with USB 2.0 (Full Speed)
- Supports Mass Storage mode*

* Mass Storage mode is a mode that allows a USB device to become accessible to a host device, enabling file transfers. Most USB devices support Mass Storage mode.

Notes on the USB device

- When a USB device is connected, the unit reads all the files on the device. If there are many folders or files on the device, it may take a long time for the unit to finish reading them.
- Do not connect a USB device to the unit through a USB hub.
- With some connected USB devices, after an operation is performed, there may be a delay before it is performed by this unit.
- This unit may not support all the functions provided with a connected USB device.
- The playback order on this unit may differ from the playback order on a connected USB device.

Compatible BLUETOOTH devices

Compatibility requirements for the devices are as follows. Before using a device with this unit, check that it meets the requirements.

- Devices must conform to BLUETOOTH Standard version 2.1 + EDR.
- Devices must support A2DP (Advanced Audio Distribution Profile) and AVRCP (Audio/Video Remote Control Profile).
- NFC capability (required only when using the NFC pairing function of the unit).

What is BLUETOOTH wireless technology?

BLUETOOTH wireless technology is a short-range wireless technology that enables wireless data communication between digital devices, such as a computer and digital camera. BLUETOOTH wireless technology operates within a range of about 10 m (33 feet).

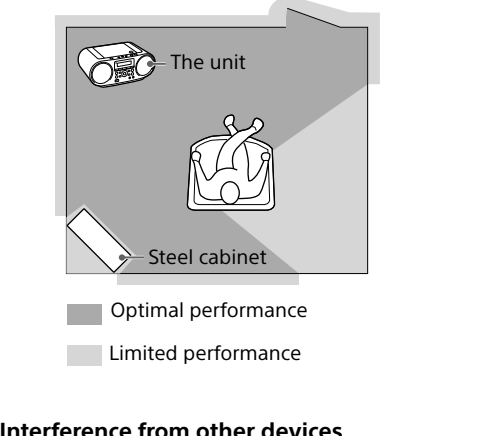
Connecting two devices as necessary is common, but some devices can be connected to multiple devices at the same time.

You do not need to use a cable for connection, nor is it necessary for the devices to face one another, such is the case with infrared technology. For example, you can use such a device in a bag or pocket. BLUETOOTH standard is an international standard supported by thousands of companies all over the world, and employed by various companies worldwide.

Maximum communication range

Maximum communication range may shorten under the following conditions.

- There is an obstacle such as a person, metal, or wall between the unit and BLUETOOTH device.
- A wireless LAN device is in use near the unit.
- A microwave oven is in use near the unit.
- A device that generates electromagnetic radiation is in use near the unit.
- The unit is placed on a shelf made of steel.



Interference from other devices
Because BLUETOOTH devices and wireless LAN (IEEE802.11b/g/n) use the same frequency, microwave interference may occur and resulting in communication speed deterioration, noise, or invalid connection if the unit is used near a wireless LAN device. In such a case, perform the following.
—Use the unit at least 10 m (33 feet) away from the wireless LAN device.
—If the unit is used within 10 m (33 feet) of a wireless LAN device, turn off the wireless LAN device.
—Use the BLUETOOTH device as close to the unit as possible.

Interference to other devices
Microwaves emitting from a BLUETOOTH device may affect the operation of electronic medical devices. Turn off the unit and other BLUETOOTH devices in the following locations, as it may cause an accident.
—where inflammable gas is present, in a hospital, train, airplane, or a gas station
—near automatic doors or a fire alarm

Notes

- To be able to use the BLUETOOTH function, the BLUETOOTH device to be connected requires the same profile as the unit's. Note also that even if the same profile exists, devices may vary in function depending on their specifications.
- Due to the characteristic of BLUETOOTH wireless technology, the sound played on the unit is slightly delayed from the sound played on the BLUETOOTH device during listening to the music.
- This unit supports security capabilities that comply with the BLUETOOTH standard to provide a secure connection when the BLUETOOTH wireless technology is used, but security may not be enough depending on the setting. Be careful when communicating using BLUETOOTH wireless technology.
- We do not take any responsibility for the leakage of information during BLUETOOTH communication.
- A device featuring the BLUETOOTH function is required to conform to the BLUETOOTH standard specified by Bluetooth SIG, and be authenticated. Even if the connected device conforms to the above mentioned BLUETOOTH standard, some devices may not be connected or work correctly, depending on the features or specifications of the device.
- Noise or sound skips may occur depending on the BLUETOOTH device connected with the unit, the communication environment or the usage environment.

Precautions

Discs that this unit CAN play

- Audio CD (CD-DA)* tracks
- CD-R/CD-RW that contains MP3/WMA files and is finalized*2 correctly.

*1 CD-DA is the abbreviation for Compact Disc Digital Audio. It is a recording standard used for audio CDs.

*2 Finalizing is the process to make the CD-R/CD-RW discs playable on the consumer disc player products, and the finalizing can be enabled or disabled as optional settings during disc creation in most recording software.

Discs that this unit CANNOT play

- CD-R/CD-RW other than those recorded in audio CD format or formats conforming to ISO 9660 Level 1/Level 2 or Joliet.
- CD-R/CD-RW of poor recording quality, CD-R/CD-RW with scratches or that is dirty, or CD-R/CD-RW recorded using an incompatible recording device.
- CD-R/CD-RW that is unfinalized or finalized incorrectly

Notes on discs

- Clean the CD with a cleaning cloth if the disc is dirty. Wipe the disc from the center out. If there are scratches, dirt or fingerprints on the disc, a tracking error may occur.
- Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.
- Do not expose the CD to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as there can be a considerable rise in temperature inside the car.
- Do not stick paper or a sticker on the CD, or scratch the surface of the CD.
- After playing, store the CD in its case.

Note on DualDiscs
A DualDisc is a two sided disc product which contains 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.

On safety

- As the laser beam used in the CD player section is harmful to eyes, do not attempt to disassemble the casing. Refer servicing to qualified personnel only.
- Should any solid object or liquid fall into the unit, unplug the unit, and have it checked by qualified personnel before operating it any further.
- 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.

On power sources

- For AC operation, use the supplied AC power cord; is not use any other cord.
- Unplug the unit from the wall outlet if it is not to be used for an extended period of time.
- When not using the batteries, remove them to avoid damage that can be caused by battery leakage or corrosion.

On placement

- To avoid malfunction, do not leave the unit under the following conditions.
—At high temperatures such as in direct sunlight, near a heat source, or under lighting equipment.
—In a car with the windows closed (especially in summer).
—Do not place anything within 10 mm (13/32 in) of the rear of the cabinet.
- Near objects susceptible to magnetism (watches, credit cards).
—Subject to heavy vibration.

On operation

- If the unit 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 section. Should this occur, the unit will not operate properly. In this case, remove the CD and wait about an hour for the moisture to evaporate.

On handling the unit

- Do not leave the CD compartment open to avoid dust and debris contamination.

On cleaning the cabinet

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

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

Troubleshooting

General

The power does not turn on.

- Make sure the AC power cord is connected to the wall outlet securely.
- Make sure the connector of AC power cord is inserted into the AC IN jack securely.
- Check if the batteries are inserted correctly, matching the polarities.
- Replace all the batteries with new ones when the OPR/BATT indicator **[8]** dims.

There is no sound.

- Make sure the appropriate function is selected for the music or sound source you want to listen to.
- Unplug the headphones when listening through speakers.

The sound is noisy.

- Is someone using a mobile phone or other equipment emitting radio waves near the unit? If so, move the unit and the BLUETOOTH device away from such devices. Devices such as mobile phones, etc., can affect BLUETOOTH communication.

A small humming noise is heard from the radio.

- This is not a malfunction. You may hear a small humming noise from the radio depending on the status of the power supply.

"NOT IN USED" appears.

- You pressed an invalid button.

CD/MP3/WMA player

The CD player does not play even when a CD is in place.

- Place the CD with the label side up.
- Clean the CD.
- Take out the CD and leave the CD compartment open for about an hour to dry moisture condensation.
- The CD-R/CD-RW is blank or unfinalized.
- There are no playable MP3/WMA files on the disc.
- There is a problem with the quality of the CD-R/CD-RW, recording device or application software.
- Replace all the batteries with new ones when the OPR/BATT indicator **[8]** dims.

"NO CD" appears when the disc is loaded.

- No disc is set in the CD compartment. Set a disc.
- The CD may have a reading problem. Replace the disc.
- The CD may be placed upside down. Place the disc with the label side up.
- An unplayable disc (DVD, BD, etc.) is loaded. Replace the disc.

"NO TRACK" appears on the display when the disc is loaded.

- No audio files recorded in supported formats, or a file to be played back has an unsupported file extension.

"DISC ERR" appears when the disc is loaded.

- The CD may be dirty. Clean the disc.
- The CD may have scratches. Replace the disc.
- The CD may have a reading problem. Replace the disc.
- A blank disc may be set in the CD compartment.

The sound may drop out.

- Reduce the volume.
- Clean the CD, or replace it if the CD is badly damaged.
- Place the unit in a location free from vibrations.
- Clean the lens with a commercially available blower.
- The sound may drop out or noise may be heard when using a poor quality CD-R/CD-RW or if there is a problem with the recording device or application software.

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 that has many folders or non-MP3/WMA files.

USB device

The USB device does not work properly.

- If you connect an incompatible USB device, the following problems may occur.
—The USB device is not recognized.
—File or folder names are not displayed on this unit.
—Playback is not possible.
- The sound skips.
- There is noise.
- The sound output is distorted.

"OVER CURRENT" appears and the unit stops automatically.

- An abnormal level has been detected in the electrical current from the ♀ (USB) port **[7]**. In this case, remove the USB device from the ♀ (USB) port **[7]** and reconnect the USB device, and then turn on the unit again. If this problem persists after turning on the power of the unit, contact your nearest Sony dealer.

There is no sound.

- The USB device may be connected incorrectly. Turn off the unit and reconnect the USB device. Then turn on the unit.

There is noise, skipping, or distorted sound.

- Turn off the unit and reconnect the USB device. Then turn on the unit again.
- The music data itself contains noise, or the sound is distorted. Noise may have entered during the creation of audio files. Try re-creating audio files and use them to play on this unit.

The USB device cannot be connected to the ♀ (USB) port [7].

- The connector on the USB device or the USB cable is being inserted backwards. Insert it to the ♀ (USB) port **[7]** in the correct direction.

"READING" is displayed for an extended time, or it takes a long time before playback starts.

- The reading process can take a long time in the following cases:
—There are many folders or files on the USB device.
 - The file structure is complex.
 - The memory is almost full.
 - The internal memory is fragmented.
- To avoid the above problems, we recommend that you adhere to the following guidelines:
- Keep the total number of folders on a USB device to 100 or less.
 - Keep the total number of files per folder to 100 or less.

Erroneous display

- The data stored on the USB device may be corrupted. Send the music data to the USB device again.
- This unit can display only numbers and letters of the alphabet. Other characters will not be displayed correctly.

"REC ERROR" appears.

- An error occurred during transferring. Turn off the unit and remove the USB device from the unit. Then check the following:
—Check the remaining storage space on the USB device. If there is insufficient space for the transferring, delete any unnecessary files or folders.
 - Check that the data to be transferred is not corrupted.
 - Check that the file format to be transferred is compatible with the unit.
- If the message still persists, contact your nearest Sony dealer.

Specifications

AUDIO POWER SPECIFICATIONS
POWER OUTPUT AND TOTAL HARMONIC DISTORTION (The United States model only)
With 6-ohm loads, both channels driven from 150 Hz – 10,000 Hz; rated 1.5 W per channel-minimum RMS power, with no more than 10 % total harmonic distortion in AC operation.

CD player section
System
Compact disc digital audio system
Laser diode properties
Emission duration: Continuous
Laser output: Less than 44.6 μW
(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.)
Number of channels
2
Frequency response
20 Hz – 20,000 Hz ±1-2 dB

Wow and flutter
Below measurable limit

BLUETOOTH section
Communication System
BLUETOOTH Specification Version 2.1 + EDR

Output
BLUETOOTH Specification Power Class 2
Maximum communication range
Line of sight approx. 10 m (33 feet)*
Frequency band
2.4 GHz band (2.400 GHz – 2.4835 GHz)

Modulation method
FHSS
Supported BLUETOOTH Profiles*2
A2DP (Advanced Audio Distribution Profile)
AVRCP*3 (Audio/Video Remote Control Profile)
Supported codec*4
SBC (Subband Codec)
*1 The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, reception sensitivity, aerial performance, operating system, application software, etc.
*2 BLUETOOTH standard profiles provide the specifications for BLUETOOTH communication between devices.
*3 Some operations may not be available depending on the device.
*4 Codec: Audio signal compression and conversion format.

Radio section
Frequency range
FM: 87.5 MHz – 108 MHz (100 kHz step)
AM: 530 kHz – 1,710 kHz (10 kHz step)

Intermediate frequency
FM: 128 kHz
AM: 45 kHz

Antennas
FM: Telescopic antenna
AM: Built-in ferrite bar antenna

Input
AUDIO IN
Stereo mini jack

♀ (USB) port
Type A, maximum current 500 mA, USB 2.0 Full Speed compatible

Output
♂ (headphones) stereo mini jack
For 16 Ω – 32 Ω impedance headphones</