

# Personal Audio System

## Operating Instructions



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ZS-PE40CP

## WARNING

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

To reduce the risk of fire or electric shock, do not expose this apparatus to dripping or splashing, and do not place objects filled with liquids, such as vases, on the apparatus.

As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.

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.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

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

Do not expose the batteries (battery pack or batteries installed) to excessive heat such as sunshine, fire or the like for a long time.

The nameplate is located on the bottom exterior.

**Notice for customers: the following information is only applicable to equipment sold in countries applying EU directives**

This product has been manufactured by or on behalf of Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan. Inquiries related to product compliance based on European Union legislation shall be addressed to the authorized representative, Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters, please refer to the addresses provided in the separate service or guarantee documents.

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

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

Europe Only



**Disposal of waste batteries (applicable in the European Union and other European countries with separate collection systems)**

This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste. On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbols for mercury (Hg) or lead (Pb) are added if the battery contains more than 0.0005% mercury or 0.004% lead. By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources.

In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only. To ensure that the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment.

For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries.

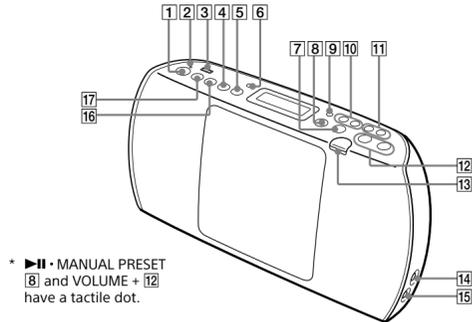
For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

## Licence and Trademark Notice

- MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.
- Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.
- This product contains technology subject to certain intellectual property rights of Microsoft. Use or distribution of this technology outside of this product is prohibited without the appropriate license(s) from Microsoft.
- All other trademarks and registered trademarks are of their respective holders. In this manual, ™ and ® marks are not specified.

## Location of Controls

The numbers used for the button or jack names in the illustration below are also used in all operation explanations hereafter.

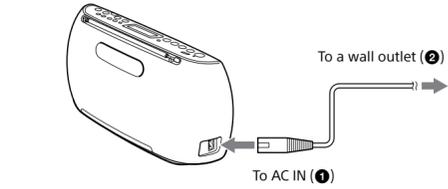


\* **▶||** **MANUAL PRESET** [8] and **VOLUME +** [12] have a tactile dot.

## Power Sources

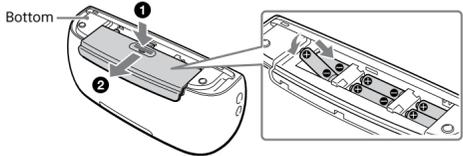
**To use the unit on AC power**

Connect the AC power cord to the unit (1) and the wall outlet (2).



**To use the unit on batteries**

Insert six R6 (size AA) batteries (not supplied) into the battery compartment. To use the unit on batteries, disconnect the AC power cord from the unit and the wall outlet.



Use alkaline batteries with this unit. The use of manganese batteries is not recommended, since this type of battery has an extremely short usage time.

### Note

Replace the batteries when the OPR/BATT indicator [2] dims, or when the unit becomes inoperable. Replace all the batteries with new ones. Before you replace the batteries, be sure to remove any CD and disconnect any USB device from the unit.

**To use the power-management function**

This unit is equipped with an automatic standby function. With this function, the unit enters standby mode automatically in about 20 minutes when there is no operation or audio signal output. To turn the standby mode on or off, press **DISPLAY/ENTER** [9] and **▶||** [10] at the same time. Each time you press the button, "AUTO STANDBY ON" or "AUTO STANDBY OFF" appears on the display.

### Notes

- The message "STANDBY" starts flashing on the display about 2 minutes before entering standby mode.
- In standby mode, with the AC power cord connected, "STANDBY" appears on the display.
- The automatic standby function is not available in the FM/AM function.

## Before Using the Unit

**To turn the power on or off**

Press **OPERATE** [1]. You can also turn on the unit using the direct power-on function (below). In this manual, operations are mainly explained using the direct power-on function.

**To use the direct power-on function**

Press **USB** [17], **CD** [16], **RADIO FM/AM** [4] or **AUDIO IN** [5] while the unit is turned off. The power turns on directly in the selected function.

**To adjust the volume**

Press **VOLUME +** or **-** [12]. The volume level of this unit is adjustable in steps from 0 to 31. For the 31st step, "VOL MAX" is displayed.

**To listen through headphones**

Connect headphones to the (headphones) jack [14].

## Basic Operations

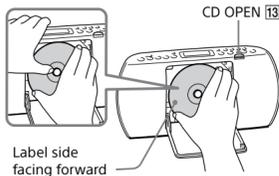
### Playing a music disc

You can play the following types of discs with this unit.

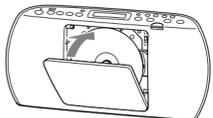
- Audio CDs on which CD-DA tracks are recorded in CD-DA disc format
- CD-R/CD-RW discs on which MP3 or WMA audio files are recorded in ISO 9660 Level 1/ Level 2 or Joliet

- 1 Press **CD** [16] to turn on the CD function.
- 2 Press **CD OPEN** [13], and place a disc in the CD compartment with the label side facing forward.

Press the center area of the disc gently until it snaps into place.

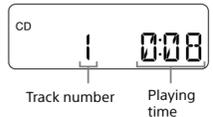


- 3 Close the CD compartment door.

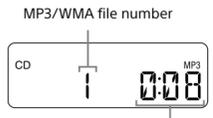


- 4 Press **▶||** [8] to start playback. When you play an MP3 or WMA disc, "MP3" (for MP3 files) or "WMA" (for WMA files) lights up on the display.

### Audio CD



### MP3/WMA disc



After the folder name\*1 and song title\*2 are displayed, the playing time\*3 will appear.

\*1 If there is no folder, "ROOT" appears on the display.

\*2 If there is no song title in ID3 or WMA tag information, "NO TITLE" will be displayed.

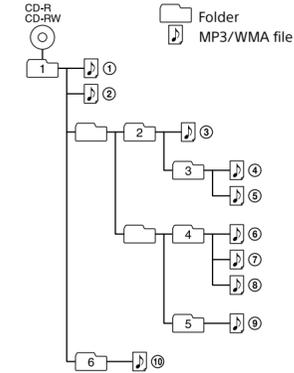
\*3 If the playing time is more than 100 minutes, "---:---" appears on the display.

### Other operations

To	Do this
Pause playback	Press <b>▶  </b> [8]. To return to playback, press the button again.
Stop playback	Press <b>■</b> [7]. When you press <b>▶  </b> [8] after playback is stopped, playback starts from the beginning of the track (or MP3/WMA file) you were last playing (Resume Play).
Cancel Resume Play	Press <b>■</b> [7] twice. When you press <b>▶  </b> [8] after you cancel Resume Play, playback starts from the beginning of the first track/file.
Select a folder on an MP3/WMA disc	Press <b>TUNE/□</b> (Folder) + or <b>-</b> [11].
Select a track/file	Press <b>◀◀</b> or <b>▶▶</b> [10]. You can skip tracks/files one by one.
Find a point in a track/file	Hold down <b>◀◀</b> or <b>▶▶</b> [10] during playback, and release the button at the desired point. When locating a point in pause status, press <b>▶  </b> [8] to start playback after the desired point is found.

### Example of folder structure and playing order

The playing order of the folders and files is as follows:



### Notes on MP3/WMA discs

- When a disc is loaded, the unit reads all the files on that disc. During this time, "READING" is displayed. If there are many folders or non-MP3/WMA files on the disc, it may take a long time for play to begin or for the next MP3/WMA file to start to play.
- We recommend that non-MP3/WMA files or unnecessary folders are excluded when creating MP3/WMA discs.
- During playback, folders that contain no MP3/WMA files are skipped.
- The audio formats supported by this unit are as follows:
  - MP3: File extension ".mp3"
  - WMA: File extension ".wma"
 Note that even if the file name has the correct file extension but the actual file was created in a different audio format, this unit may produce noise or may malfunction.
- MP3 PRO format is not supported.
- WMA files encoded in WMA DRM, WMA Lossless and WMA PRO formats cannot be played back.
- This unit cannot play audio files on a disc in the following cases:
  - When the total number of audio files exceeds 511.
  - When the total number of folders on a single disc exceeds 511.
  - When the directory level (folder depths) exceeds 8 (including "ROOT" folder).
- Folder names and file names can be displayed with up to 32 characters, including quotation marks.
- Characters and symbols that cannot be displayed by the unit will appear as "-".
- This unit conforms to version 1.0, 1.1, 2.2, 2.3 and 2.4 of the ID3 tag format for MP3 files and the WMA tag format (defined by ASF (Advanced Systems Format) specification) for WMA files. When a file has the ID3 or WMA tag information, song title, artist name, and album name will be displayed. If a file does not have the tag information, the unit displays as follows:
  - File name instead of the song title.
  - "NO ARTIST" message instead of the artist name.
  - "NO ALBUM" message instead of the album name.
 ID3 tag information can be displayed for up to 64 characters and WMA tag information can be displayed for up to 32 characters.

## Listening to music on a USB device

You can listen to audio files stored on a USB device (a digital music player or USB storage media). Audio files in MP3 and WMA formats\* can be played on this unit.

\* Files with DRM (Digital Rights Management) copyright protection or files downloaded from an online music store cannot be played on this unit. If you try to play one of these files, the unit plays the next unprotected audio file.

### Compatible USB devices

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

- 1 Connect the USB device to the (USB) port [3].
- 2 Press **USB** [17] to turn on the USB function.

**If the USB device does not have a volume label\*1**  
"STORAGE DRIVE" scrolls once on the display, then "xxxFLDR"\*2 appears on the display.

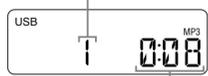
**If the USB device has a volume label**  
The volume label\*1 scrolls once on the display, then "xxxFLDR"\*2 appears on the display.

\*1 A volume label is a name that you can assign to data storage media or devices.

\*2 "xxx" is the total folder number.

- 3 Press **▶||** [8] to start playback.

MP3/WMA file number



After the folder name and song title are displayed, the file number and playing time\* appear.

\* If the playing time is more than 100 minutes, it appears as "---:---" on the display.

### Other operations

To	Do this
Pause playback	Press <b>▶  </b> [8]. To return to playback, press the button again*.
Stop playback	Press <b>■</b> [7]. When you press <b>▶  </b> [8] after playback is stopped, playback starts from the point where you stopped playback (Resume Play).
Cancel Resume Play	Press <b>■</b> [7] twice. When you press <b>▶  </b> [8] after you cancel Resume Play, playback starts from the beginning of the first file.
Select a folder	Press <b>TUNE/□</b> (Folder) + or <b>-</b> [11].
Select a file	Press <b>◀◀</b> or <b>▶▶</b> [10]. You can skip files one by one.
Find a point in a file	Hold down <b>◀◀</b> or <b>▶▶</b> [10] during playback, and release the button at the desired point. When locating a point in pause status, press <b>▶  </b> [8] to start playback after the desired point is found.
Remove a USB device	Hold down <b>■</b> [7] until "NO DEVICE" appears on the display, and then disconnect the USB device.

\* When playing a VBR MP3/WMA file, playback may restart from a different point.

### Note

When you remove the USB device, always perform the procedure described in the above "Other operations." Removing the USB device without performing this procedure may corrupt the data on the USB device or damage the device itself.

**To select a memory on the device for playback**

If the USB device has more than one memory (for example, an internal memory and a memory card), you can select which memory to use and then start playback. Make sure to select a memory before starting playback as you cannot select a memory during playback.

- 1 Connect the USB device to the (USB) port [3].
- 2 Press **USB** [17] to turn on the USB function.
- 3 Press **USB · MEMORY SELECT** [17] until "SELECT?" appears on the display.
- 4 Press **DISPLAY/ENTER** [9].
- 5 Press **◀◀** or **▶▶** [10] repeatedly to select a memory number. The memory name appears. The name will be displayed in various types, depending on the specifications of the USB device. If only one memory can be selected, proceed to step 6.
- 6 Press **DISPLAY/ENTER** [9].

**To change play modes**

Press **MODE** [6] repeatedly while the USB device is stopped. You can select normal play mode (playback in sequence of all files on the USB device), folder play mode ( for all files in the specified folder on the USB device), repeat play mode ( for repeating all files/ for repeating one file), or shuffle play mode ("SHUF"). For details, see "Selecting play mode" on the back page.

### Notes on the USB device

- Operation is not always guaranteed, even if the USB devices meet the compatibility requirements.
- It may take a long time before playback starts when:
  - The folder structure is complex.
  - The USB device is close to capacity.
- 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.
- Do not save non-MP3/WMA files or unnecessary folders to a USB device that contains MP3/WMA files.
- During playback, folders that contain no MP3/WMA files are skipped.
- The audio formats supported by this unit are as follows:
  - MP3: File extension ".mp3"
  - WMA: File extension ".wma"
 Note that even if the file name has the correct file extension but the actual file was created in a different audio format, this unit may produce noise or may malfunction.

- MP3 PRO format is not supported.
- WMA files encoded in WMA DRM, WMA Lossless and WMA PRO formats cannot be played back.
- This unit cannot play audio files on a USB device in the following cases:
  - When the total number of audio files in a single folder exceeds 999.
  - When the total number of audio files on a single USB device exceeds 5,000.
  - When the total number of folders on a single USB device exceeds 255 (including the "ROOT" folder).
  - When the directory level (folder depths) exceeds 8 (including the "ROOT" folder).
 These numbers may vary depending on the file and folder structure.
- Compatibility with all encoding/writing software is not guaranteed. If audio files on the USB device were originally encoded with incompatible software, those files may produce noise or interrupted sound, or may not be played back at all.

- Folder names and file names can be displayed using up to 32 characters, including quotation marks.
- Characters and symbols that cannot be displayed by the unit will appear as "-".
- This unit conforms to version 1.0, 1.1, 2.2, 2.3 and 2.4 of the ID3 tag format for MP3 files and the WMA tag format (defined by ASF (Advanced Systems Format) specification) for WMA files. When a file has the ID3 or WMA tag information, song title, artist name, and album name will be displayed. If a file does not have the tag information, the unit displays as follows:
  - File name instead of the song title.
  - "NO ARTIST" message instead of the artist name.
  - "NO ALBUM" message instead of the album name.
 ID3 tag information can be displayed for up to 64 characters and WMA tag information can be displayed for up to 32 characters.

## Listening to the radio

- 1 Press **RADIO FM/AM** [4] repeatedly to select the band. Each time you press the button, the radio band changes as follows: "FM" ↔ "AM"

- 2 Press and hold **TUNE/□** + or **-** [11] until the frequency digits begin to change on the display.

The unit automatically scans the radio frequencies and stops when it finds a clear station.

If you cannot tune to a station using the automatic tuning mode, press **TUNE/□** + or **-** [11] repeatedly to change the frequency step by step.

When an FM stereo broadcast is received, "ST" lights up on the display.

### Tip

If the stereo FM reception is noisy, press **MODE** [6] until "MONO" appears on the display. You will lose the stereo effect, but the reception will improve.

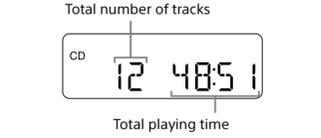
## Other Operations

## Using the display

You can check information about the currently playing audio file from the disc/USB device using the display.

#### Information about the total number of tracks and the playing time of an audio CD

After the CD is loaded and the reading process is completed, or after you cancel Resume Play by pressing ■ [7] twice, the total number of tracks and the total playing time are displayed.



#### Information about the total number of folders on an MP3/WMA disc and USB device

**MP3/WMA disc**
After the MP3/WMA disc is loaded and the reading process is completed, or after you cancel Resume Play by pressing ■ [7] twice, the total number of folders is displayed. The total number of files and the total playing time are not displayed for MP3 and WMA discs.

**USB device**

After the USB device is connected and the reading process is completed, or after you cancel Resume Play by pressing ■ [7] twice, the total number of folders is displayed. The total number of files and the total playing time are not displayed.

(Example: MP3 disc)

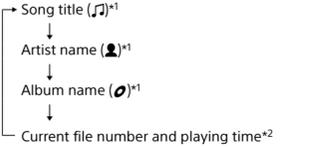


**Tip**

If MP3/WMA files are present only on the root directory ("ROOT" folder) of the USB device, "FLDR" appears on the display.

**To check file information**

Press DISPLAY/ENTER [9] repeatedly while playing an MP3/WMA file on the disc/USB device. The display changes as follows:



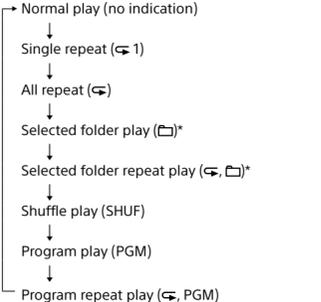
\*1 If the file does not have corresponding ID3 or WMA tag information, the file name, "NO ARTIST," and "NO ALBUM" scroll instead of the song title, artist name, and album name, respectively.

\*2 The artist name or album name will change to this in a few seconds.

## 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 MODE [6] repeatedly. Each time you press the button, the indication changes as follows:



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

**Note**

You can change the play mode only when playback of a track or MP3/WMA file is stopped. If you press MODE [6] while a track or MP3/WMA file is playing or in pause status, "PUSH STOP" appears. Be sure to stop playback by pressing ■ [7] before changing the play mode.

#### Playing tracks/audio files repeatedly (Repeat Play)

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

- Press CD [16] or USB [17] to turn on the CD or USB function.
- Proceed as follows.

To repeat	Do this
A single track/MP3/WMA file	<ol style="list-style-type: none"><li>Press MODE <span>[6]</span> repeatedly until "↺ 1" appears.</li> <li>Press <span>◀◀</span> or <span>▶▶</span> <span>[10]</span> to select a track/audio file that you want to repeat. When you want to specify a folder that contains MP3/WMA files, press TUNE/<span>□</span> + or <span>−</span> <span>[11]</span> first to select a folder, and then press <span>◀◀</span> or <span>▶▶</span> <span>[10]</span> to select a file.</li> <li>Press <span>▶▶</span> <span>[8]</span> to start Repeat Play.</li></ol>
All tracks/MP3/WMA files	<ol style="list-style-type: none"><li>Press MODE <span>[6]</span> repeatedly until "↺" appears.</li> <li>Press <span>▶▶</span> <span>[8]</span> to start Repeat Play.</li></ol>
A selected folder on an MP3/WMA disc or USB device	<ol style="list-style-type: none"><li>Press MODE <span>[6]</span> repeatedly until "📁 (Folder) and "↺" appear.</li> <li>Select a folder by pressing TUNE/<span>□</span> + or <span>−</span> <span>[11]</span>.</li> <li>Press <span>▶▶</span> <span>[8]</span> to start Repeat Play.</li></ol>
Programmed tracks/MP3 or WMA files	<ol style="list-style-type: none"><li>Program tracks/audio files (see "Creating your own program (Program Play)").</li> <li>Press MODE <span>[6]</span> until "PGM" and "↺" appear on the display.</li> <li>Press <span>▶▶</span> <span>[8]</span> to start Repeat Play.</li></ol>

All tracks/MP3/WMA files	<ol style="list-style-type: none"><li>Press MODE <span>[6]</span> repeatedly until "↺" appears.</li> <li>Press <span>▶▶</span> <span>[8]</span> to start Repeat Play.</li></ol>
A selected folder on an MP3/WMA disc or USB device	<ol style="list-style-type: none"><li>Press MODE <span>[6]</span> repeatedly until "📁 (Folder) and "↺" appear.</li> <li>Select a folder by pressing TUNE/<span>□</span> + or <span>−</span> <span>[11]</span>.</li> <li>Press <span>▶▶</span> <span>[8]</span> to start Repeat Play.</li></ol>
Programmed tracks/MP3 or WMA files	<ol style="list-style-type: none"><li>Program tracks/audio files (see "Creating your own program (Program Play)").</li> <li>Press MODE <span>[6]</span> until "PGM" and "↺" appear on the display.</li> <li>Press <span>▶▶</span> <span>[8]</span> to start Repeat Play.</li></ol>

All tracks/MP3/WMA files	<ol style="list-style-type: none"><li>Press MODE <span>[6]</span> repeatedly until "↺" appears.</li> <li>Press <span>▶▶</span> <span>[8]</span> to start Repeat Play.</li></ol>
A selected folder on an MP3/WMA disc or USB device	<ol style="list-style-type: none"><li>Press MODE <span>[6]</span> repeatedly until "📁 (Folder) and "↺" appear.</li> <li>Select a folder by pressing TUNE/<span>□</span> + or <span>−</span> <span>[11]</span>.</li> <li>Press <span>▶▶</span> <span>[8]</span> to start Repeat Play.</li></ol>
Programmed tracks/MP3 or WMA files	<ol style="list-style-type: none"><li>Program tracks/audio files (see "Creating your own program (Program Play)").</li> <li>Press MODE <span>[6]</span> until "PGM" and "↺" appear on the display.</li> <li>Press <span>▶▶</span> <span>[8]</span> to start Repeat Play.</li></ol>

All tracks/MP3/WMA files	<ol style="list-style-type: none"><li>Press MODE <span>[6]</span> repeatedly until "↺" appears.</li> <li>Press <span>▶▶</span> <span>[8]</span> to start Repeat Play.</li></ol>
A selected folder on an MP3/WMA disc or USB device	<ol style="list-style-type: none"><li>Press MODE <span>[6]</span> repeatedly until "📁 (Folder) and "↺" appear.</li> <li>Select a folder by pressing TUNE/<span>□</span> + or <span>−</span> <span>[11]</span>.</li> <li>Press <span>▶▶</span> <span>[8]</span> to start Repeat Play.</li></ol>
Programmed tracks/MP3 or WMA files	<ol style="list-style-type: none"><li>Program tracks/audio files (see "Creating your own program (Program Play)").</li> <li>Press MODE <span>[6]</span> until "PGM" and "↺" appear on the display.</li> <li>Press <span>▶▶</span> <span>[8]</span> to start Repeat Play.</li></ol>

**To cancel Repeat Play**

Press ■ [7] to stop playback, and then press MODE [6] repeatedly until "↺" (or "↺ 1") disappears from the display.

#### Playing tracks/audio files in random order (Shuffle Play)

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

- Press CD [16] or USB [17] to turn on the CD or USB function.
- Press MODE [6] until "SHUF" appears on the display.
- Press ▶▶ [8] to start Shuffle Play.

**To cancel Shuffle Play**

Press ■ [7] to stop playback, and then press MODE [6] repeatedly until "SHUF" disappears from the display.

**Tips**

- During Shuffle Play, you cannot select the previous MP3/WMA file by pressing ◀◀ [10].
- The Resume Play is available when using Shuffle Play mode in the USB function. Press ▶▶ [8] after you stopped Shuffle Play by pressing ■ [7]. Shuffle Play starts from the point where you stopped.

#### Creating your own program (Program Play)

You can arrange the playing order of up to 25 tracks/audio files (MP3/WMA files) on a disc/USB device.

- Press CD [16] or USB [17] to turn on the CD or USB function.
- Press MODE [6] until "PGM" appears on the display.
- Press ◀◀ or ▶▶ [10] to select a track/file.

When you want to specify a folder that contains MP3/WMA files, press TUNE/□ + or − [11] first to select a folder, and then press ◀◀ or ▶▶ [10] to select a file.

- Press DISPLAY/ENTER [9]. "STEP 1" appears, followed by the selected track or MP3/WMA file.

**Example (Programming a CD-DA track from an audio CD)**



Each time you add a track or MP3/WMA file, a step number is added and a track or file number flashes on the display.

The total time of the program play will be displayed up to "99:59" for the audio CD. (If the total time count is more than 99:59, "----" will be displayed.)

In the case of MP3/WMA discs, the total time is not displayed and "----" will always be displayed.

- Press ▶▶ [8] to start Program Play.

The created program remains available until you open the CD compartment, remove the USB device or turn off the power of the unit. To play the same program again, press ▶▶ [8].

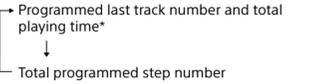
**Note**
If you try to program 26 tracks/MP3/WMA files or more, "FULL" appears on the display.

**Tip**

The Resume Play is available when using Program Play mode in the USB function. Press ▶▶ [8] after you stopped Program Play by pressing ■ [7]. Program Play starts from the point where you stopped.

#### To display programmed track information

After creating your own program, you can check the information about programmed tracks/files by pressing DISPLAY/ENTER [9]. Each time you press the button, the display changes as follows:



\* Total playing time can be displayed only for CD-DA tracks.

**To cancel Program Play**

Press ■ [7] to stop playback, and then press MODE [6] repeatedly until "PGM" disappears from the display.

**To delete all tracks in the current program**

Stop playback, and then press ■ [7]. "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 store up to 30 radio stations; 20 for FM and 10 for AM can be preset.

- Press RADIO FM/AM [4] repeatedly to select the band.
- Press and hold RADIO FM/AM · AUTO PRESET [4] until "AUTO" flashes on the display.
- Press DISPLAY/ENTER [9] to store the station. The stations are stored in memory from lower to higher frequencies.

**If a station cannot be preset automatically**

You need to preset a station with a weak signal manually.

- Press RADIO FM/AM [4] repeatedly to select the band.
- Tune to the station you want.
- Press ▶▶ [8] · MANUAL PRESET [8]. The band selected ("FM-xx" or "AM-xx") appears on the display.
- Press PRESET + or − [10] until the preset number you want for the station flashes on the display.
- Press DISPLAY/ENTER [9] 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 the radio from preset radio stations

- Press RADIO FM/AM [4] repeatedly to select the band.
- Press PRESET + or − [10] to select a stored preset number for the desired radio station.

## 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 [15] to the line output jack of the portable digital music player or other component using an audio connection cable (not supplied).
  - Turn on the connected component.
  - Press AUDIO IN [5] 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 plug on one end and two phono plugs (L/R) on the other end.

**Notes**

- If the AUDIO IN jack [15] of this unit is connected to the monaural output jack of a digital music player, you will hear sound from the left channel only.
- If the AUDIO IN jack [15] of this unit is connected to the line out jack of a digital music player, distortion may occur. If the sound is distorted, connect to the headphones jack instead.
- If the AUDIO IN jack [15] of this unit is connected to the headphones jack of a digital music player, increase the volume of the digital music player, and then adjust the volume of the unit.

## Precautions

**Discs that this unit CAN play**

- Audio CD (CD-DA\*1 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**

- Before playing, clean the CD with a cleaning cloth. Wipe the CD from the center out. If there are scratches, dirt or fingerprints on the CD, 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 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.

**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; do not use any other cord.
- Unplug the unit from the wall outlet when it is not 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**

- Do not leave the unit in a location near heat sources, in a place subject to direct sunlight, excessive dust or mechanical shock, or in a car subject to the direct rays of the sun.

- Do not place the unit on an inclined or unstable surface.
- Do not place anything within 10 mm of the rear of the cabinet. The ventilation openings must be unobstructed for the unit to operate properly and prolong the life of its components.

- Since a strong magnet is used for the speakers, keep personal credit cards using magnetic coding or spring-wound watches away from the unit to prevent possible damage from the magnet.

**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 door open to avoid dust and debris contamination.
- When carrying the unit, grasp the handle at the rear of the unit to prevent the unit from dropping.



**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 unit does not turn on when the AC power cord is connected.**

- Make sure the AC power cord is connected to the wall outlet securely.

**The unit does not turn on during battery operation.**

- Make sure the batteries are inserted correctly.

**“LOW BATTERY” flashes on the display and the unit turns off automatically.**

- Replace all the batteries with new ones.

**There is no sound.**

- Make sure the appropriate function is selected for the music or sound source you want to listen to.

**The sound is noisy.**

- Is someone using a mobile phone or other equipment emitting radio waves near the unit? If so, move the unit away from such devices.

**CD/MP3/WMA player**

**The CD player does not play or “NO DISC” is displayed even when a CD is in place.**

- Place the CD with the label side facing forward.
- 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.
- The CD-R/CD-RW is recording device or application software.
- Replace all the batteries with new ones if they are exhausted.

**The sound drops 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**

**“NO TRK” is displayed when a USB device is connected.**

- There are no playable MP3/WMA files on the 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.**

- An abnormal level has been detected in the electrical current from the ⇆ (USB) port [3]. Turn off the unit and remove the USB device from the ⇆ (USB) port [3]. Try using another USB device. If this message persists, 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 [3].**

- The connector on the USB device or the USB cable is being inserted backwards. Insert it to the ⇆ (USB) port [3] 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.

**The USB device is not recognized.**

- Turn off the