

Personal Audio System

ZS-PS20CP
 Operating Instructions **GB**
 Manual de instrucciones **ES**
 ©2008 Sony Corporation Printed in China
<http://www.sony.net/>

WARNING

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

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

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 this apparatus to dripping or splashing, and do not place objects filled with liquids, such as vases, on the apparatus.

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

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

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

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

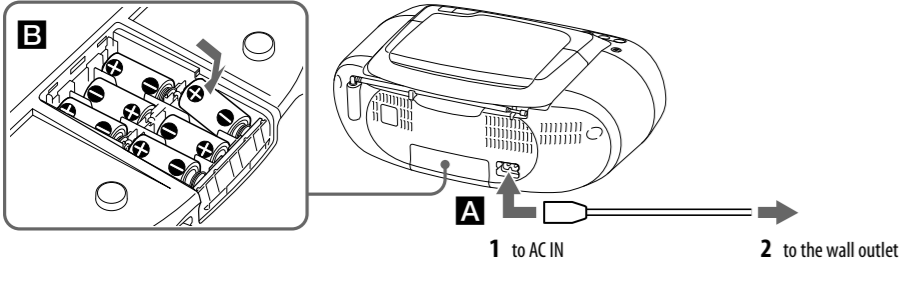
Notes on DualDisc

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 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.

Power sources

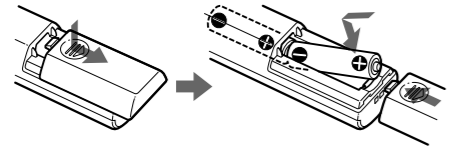


Connect the AC power cord **A** or insert six R14 (size C) batteries (not supplied) into the battery compartment **B**.

- Replace the batteries when the OPR/BATT [1] indicator dims or when the unit stops operating. Replace all the batteries with new ones. Before you replace the batteries, be sure to remove the CD from the unit.
- To use the unit on battery power, disconnect the AC power cord from the unit.
- When you operate the unit on battery power, you cannot turn on the unit using the remote.

Preparing the remote

Insert two R03 (size AAA) batteries (not supplied).



Replacing batteries

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

Specifications

CD player section

For player:
 Compact disc: digital audio system
 Laser diode: proprietary
 Emission duration: Continuous
 Laser output: Less than 16.6 mW
 (This output is the value measured at a distance of 200mm from the objective lens surface on the Optical Pick-up Block with 7mm aperture.)
Spindle speed
 200 rpm (rpm) to 5000 rpm (rpm) (CVX)
 Number of channels: 2

Radio section

Frequency range: FM: 87.5 ~ 108 MHz
 AM: 531 ~ 1611 kHz (9 kHz step)
 530 ~ 1610 kHz (10 kHz step)

USB section

Supported bit rate: MP3 (MPEG-1 Audio Layer-3): 32 ~ 320 kbps, VBR
 16 ~ 320 kbps, VBR

Sampling frequency: MP3 (MPEG-1 Audio Layer-3): 32/44.1/48 kHz
 WMA: 32/44.1/48 kHz
 (± USB port)

General

Speaker: Full range: 8 cm diam., 4 Ω, cone type (2)
 Input: (± USB) port: Type A, maximum current 500 mA
 AUDIO IN jack (stereo mini jack)
 Outputs: Headphones jack (stereo mini jack)

Power output: For 16 ~ 48 Ω impedance headphones
 1.7 W × 1.7 W (at 4 Ω, 10% harmonic distortion)

Power requirements: For player: Malaysia and Singapore models: 230 ~ 240 V AC, 50 Hz
 Thailand model: 220 V AC, 50 Hz
 Korea model: 220 V AC, 60 Hz
 Other models: 230 V AC, 50 Hz
 9 V DC, 6 R14 (size C) batteries (for remote control)
 3 V DC, 2 R03 (size AAA) batteries (for remote control)
 AC 110V

Specifications

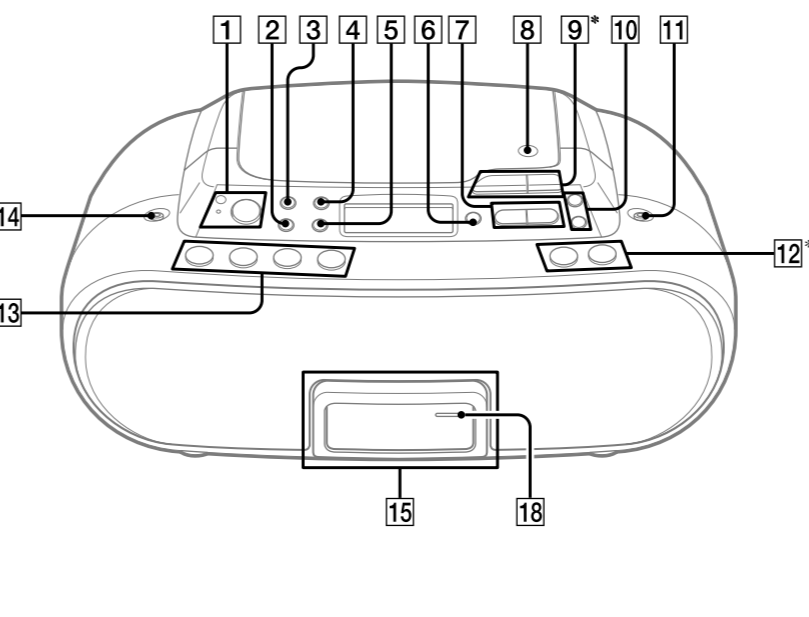
Battery life
 For player:
FM reception
 Sony R14P: approx. 13.5 h
 Sony alkaline LR14: approx. 20 h
CD playback
 Sony R14P: approx. 2.5 h
 Sony alkaline LR14: approx. 7 h

Dimensions: Approx. 360 × 142 × 124 mm (w/h/d) (incl. projecting parts)
 Mass: Approx. 2.8 kg (incl. batteries)

Supplied accessories: AC power cord (1)
 Remote control (1)

Design and specifications are subject to change without notice.
Optional accessories
 Sony MDR headphones series

Basic Operations



Before using the unit

About the operating voltage

The unit's operating voltage is shown on the bottom of the unit. For changing the AM tuning interval, radio frequency range, and AC operation, check the operating voltage of your unit.

To turn on/off the power

Press POWER [1].

To adjust the volume

Press VOLUME + or (VOL +, - on the remote) [2].

To listen through headphones

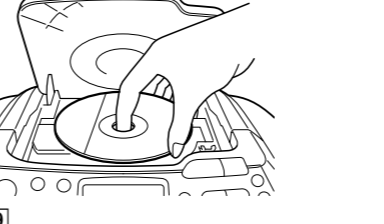
Connect the headphones to the (headphones) jack [8].

To reinforce the bass sound

Press MEGA BASS [2] on the unit.
 "MEGA BASS" appears in the display.
 To return to normal sound, press the button again.

Playing a CD/MP3/WMA disc

- Press CD [3] on the unit. (On the remote, press POWER [1] and then press FUNCTION [6] repeatedly until "CD" appears in the display.)
- Press [4] PUSH OPEN/CLOSE [8] on the unit, and place a disc with the label side up in the CD compartment.
 To close the CD compartment, press [5] PUSH OPEN/CLOSE [8] on the unit.



The unit plays all the tracks/MP3/WMA files once. When you place MP3/WMA discs, "MP3" or "WMA" appears in the display after the unit reads the file information.

Audio CD
 The unit plays all the tracks/MP3/WMA files once. When you place MP3/WMA discs, "MP3" or "WMA" appears in the display after the unit reads the file information.

To	Press
Pause playback	[9]
Resume playback	[9]
Stop playback	[9]
Go to the next track/MP3/WMA file	[7]
Go back to the previous track/MP3/WMA file	[2]
Select a folder on an MP3/WMA disc	[4] + on the unit to go forward and [5] - to go backward [8]
Locate a point while listening to the sound	[4] (forward) or [5] (backward) [7] on the unit while playing and hold it until you find the point.
Locate a point while observing	[4] (forward) or [5] (backward) [7] on the unit in the pause and hold it until you find the point.
Remove the CD	[5] PUSH OPEN/CLOSE [8]

Tips

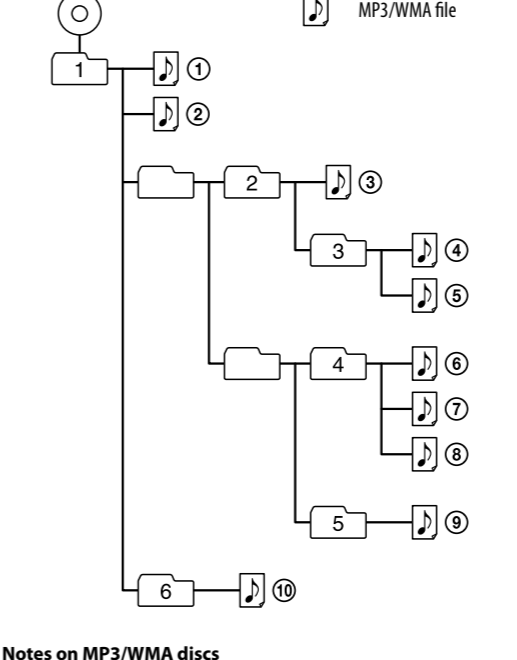
- * Playback starts from the track/MP3/WMA file you last stopped playing (Resume play). During stops, the track/MP3/WMA file number to be played is displayed.
- * If a cancelled resume play (to start play from the beginning of the first track/MP3/WMA file), press [9] or [5] open the CD compartment in step mode.

Note

You cannot locate a specific track/MP3/WMA file if "SHUFF" or "PGM" is lit in the display. Turn off the indication by pressing MODE [5].

Example of folder structure and playing order

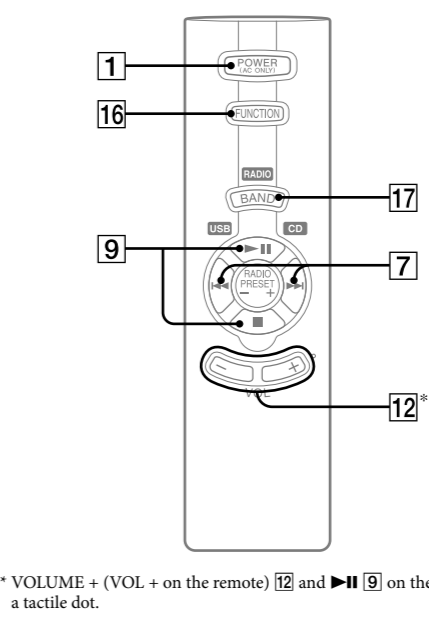
The playing order of folders and files is as follows:



- * When a disc is inserted, the unit reads all the files on that disc. During its 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 play.
- * Do not save unnecessary folders or files other than MP3/WMA ones on a disc to be used for MP3/WMA listening.
- * A folder that does not include an MP3/WMA file is skipped.
- * Maximum number of files: 511
- * Maximum number of folders: 150
- * Maximum directory steps: 8
- * Folder names and file names can be displayed with up to 32 characters.
- * The characters A - Z, a - z, 0 - 9, and . can be displayed on this unit. Other characters are displayed as "-".
- * This unit conforms to Version 1.1 of the ID3 tag format. If the file has the ID3 tag information, "song title", "artist name", and "album name" can be displayed.
- * When naming, be sure to add the file extension ".mp3" or ".wma" to the file name.
- * If you put the extension "mp3" or "wma" to a file other than an MP3/WMA file, the unit cannot recognize the file properly and will generate random noise that could damage your speakers.
- * The file name does not correspond to the ID3 tag.
- * If an MP3/WMA disc that contains over 511 files is played, the disc may not be played as shown in the illustration.

Notes on MP3/WMA discs

- * When a disc is inserted, the unit reads all the files on that disc. During its 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 play.
- * Do not save unnecessary folders or files other than MP3/WMA ones on a disc to be used for MP3/WMA listening.
- * A folder that does not include an MP3/WMA file is skipped.
- * Maximum number of files: 511
- * Maximum number of folders: 150
- * Maximum directory steps: 8
- * Folder names and file names can be displayed with up to 32 characters.
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- * When naming, be sure to add the file extension ".mp3" or ".wma" to the file name.
- * If you put the extension "mp3" or "wma" to a file other than an MP3/WMA file, the unit cannot recognize the file properly and will generate random noise that could damage your speakers.
- * The file name does not correspond to the ID3 tag.
- * If an MP3/WMA disc that contains over 511 files is played, the disc may not be played as shown in the illustration.



Listening to the radio

- Press RADIO [13] on the unit (BAND [17] on the remote) repeatedly.
 Each time you press the button, the indication changes as follows:
 "FM" → "AM".
- Hold down TUNE + or [10] until the frequency digits begin to change in the display. The unit automatically scans the radio frequencies and stops when it finds a clear station.
 If you cannot tune in a station, press TUNE - or [10] repeatedly to change the frequency step by step. When an FM stereo broadcast is received, "ST" appears.

Tp
 If the FM broadcast is noisy, press MODE [5] until "MONO" appears in the display and the radio will play in monoaural.

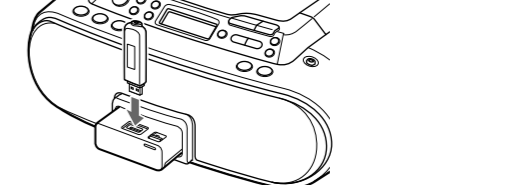
Changing the AM tuning interval

- If you need to change the AM tuning interval, do the following:
- Press RADIO [13] on the unit until "AM" is displayed.
 - Press REMOTE [13] on the unit for 2 seconds.
 - Press RADIO [13] on the unit for 2 seconds.
 "9K STEP" or "10K STEP" flashes.
 - Press PRESET + or [12] on the unit to select "9K STEP" for 9 kHz interval or "10K STEP" for 10 kHz interval.
 - Press DISPLAY/ENTER [5] on the unit.
 After changing the tuning interval, you need to reset your preset AM radio stations.

Opening/closing the Sliding Tray

Connecting a USB device

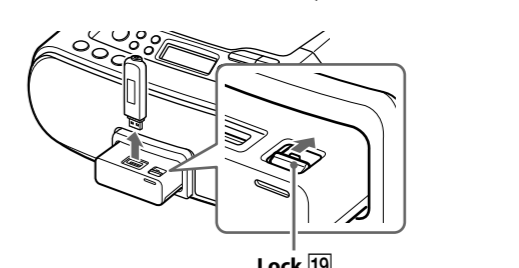
- Press [8].
- Connect your USB device to the (±) USB port [15].



Tp
 A digital music player is charged automatically in the USB mode when connected to the (±) USB port [15].

Closing the Sliding Tray

- Remove the USB device (see "Listening to music of a USB device").
- Slide the Lock [19] as indicated by the arrow.



- Push the Sliding Tray [18] into the unit until it clicks.

- * Do not carry the unit with a USB device inserted to the connector. Doing so may cause a malfunction.
- * Be sure to close the Sliding Tray [18] before moving the unit.

Connecting optional components

- Connect the AUDIO IN jack [11] on the unit to the line output jack of the portable digital music player or other components using an audio connecting cable (not supplied).
- Turn the unit and the connected component on.
- Press AUDIO IN [18] 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 VCR, use an extension cable (not supplied) with a stereo-mini jack on one end and two phono plugs on the other end.

Listening to music of a USB device

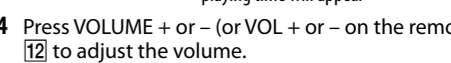
You can listen to music stored on an optional USB device (digital music player or USB storage media).

MUSIC files in WMA and MP3 format* can be played on this unit.

See "Playable USB devices" on the back page for a list of USB devices that can be connected to this unit.

- * Files with copyright protection (Digital Rights Management) cannot be played on this unit.

- Press USB [15] on the unit.
- Connect the USB device to the (±) USB port [15] (See "Connecting a USB device").
 "USB MEMORY" appears in the display.
- Press [9].
 The unit starts playing.



* VOLUME + or (VOL + on the remote) [2] or [9] on the unit have a touch-dot.

File number After the file name is displayed, the playing time will appear.

- Press VOLUME + or (VOL + or - on the remote) [2] to adjust the volume.

Other operations

To **Press**

Pause playback [9] To resume play, press the button again.

Stop playback [9]

Select a folder [4] + or - [8]

Select a file in a file Hold down [10] or [11] during playback, and release the button at the desired point.

Select Repeat Play REPEAT [6] on the unit repeatedly until "CR" or "CR 1" appears.

Remove the USB device Hold down [9] until "NO DEV" appears, then remove the USB device.

* When playing a VBR MP3 file, the unit may resume playback from a different point.

Tips

- * Playback starts from the MP3/WMA file you last stopped playing (Resume play). During stops, the MP3/WMA file number and the playing time to be played are displayed.
- * To cancel resume play (to start play from the beginning of the first MP3/WMA file), press [9].

Note

Always hold down [9] and make sure that "NO DEV" appears before removing the USB device. Removing the USB device while "NO DEV" is not displayed may corrupt the data on the USB device or damage the USB device.

To change the play mode

Press MODE [5] repeatedly while the USB device is not playing. You can select Normal playback, Shuffle playback, Repeat playback, or in the selected folder while "LIGHTS up" (one after another), Shuffle Play ("SHUF") or "SHUF1") or Program Play ("PGM").

Notes on the USB device

- * You cannot change the play mode during playback.
- * Some files may be needed before playback starts when:
 - the folder structure is complex.
 - The USB device is a slow-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 the file information.
- * Do not connect a USB device to the unit through a USB hub.
- * For some USB devices, when an operation is performed on the USB device, there may be a delay before it is carried out on this unit.
- * This unit may not support all the functions provided on the connected USB device.
- * During playback, folders that contain no MP3/WMA files are skipped.
- * This unit can play MP3 and WMA files that have the ".mp3" or ".wma" file extension, but are not MP3/WMA files, the unit may produce noise or malfunction.
- * A maximum of 999 MP3/WMA files and 255 folders can be contained on a single USB device.
- * The maximum number of MP3/WMA files and folders may vary, depending on the file and folder structure.
- * Compatibility with all MP3/WMA encoding/decoding software, recording devices, and recording media cannot be guaranteed. If you use an incompatible USB device, sound skipping or noise may be produced, or the device may not play at all.

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ADVERTENCIA

Para reducir el riesgo de incendios o electrocución, no exponga el aparato a la lluvia ni a la humedad.

Para evitar descargas eléctricas, no abra la caja. En caso de averías, solicite los servicios de personal cualificado.

Para reducir el riesgo de incendio, no cubra los orificios de ventilación de la unidad con periódicos, mantiles, cortinas u objetos similares. No coloque velas encendidas sobre la unidad.

Para reducir el riesgo de incendio o electrocución, no exponga este aparato a salpicaduras o goteros, ni coloque sobre él recipientes llenos de líquidos, como por ejemplo jarrones.

Conecte la unidad a un tomacorriente de los de fácil acceso, ya que la clavija principal se utiliza para desconectar la unidad de la red de suministro.

Si observa alguna anomalía en la unidad, desconecte inmediatamente la clavija principal del tomacorriente de ca.

No instale la unidad en un lugar de espacio reducido, tal como en una estantería para libros o vitrina empotrada.

No exponga las baterías (el paquete de baterías o las baterías instaladas) a un calor excesivo como el sol directo, fuego o similar durante un periodo prolongado.

Una presión acústica excesiva en los auriculares y los altavoces puede provocar la pérdida de audición.

Notas sobre los discos DualDisc

Un DualDisc es un disco de dos caras que combina material grabado en DVD en una cara con material de audio digital en la otra cara. Sin embargo, debido a que la cara con material de audio no cumple con el estándar Compact Disc (CD), es posible que no se pueda reproducir en este producto.

Discos de música codificados mediante tecnologías de protección de los derechos de autor

Este producto se ha diseñado para reproducir discos que cumplan con el estándar Compact Disc (CD). Recientemente, algunas compañías discográficas comercializan discos de música codificados con tecnologías de protección de derechos de autor. Tenga en cuenta que, entre estos discos, algunos no cumplen con el estándar CD, por lo que no podrán reproducirse con este producto.

Tecnología de codificación de audio MPEG Layer-3 y patentes con licencia de Fraunhofer IIS y Thomson.

Especificaciones

Sección sobre el reproductor de CD

Para el reproductor:
 Sistema de audio digital de discos compactos
 Láser diodo: propietario
 Duración de la emisión: continua
 Salida del láser inferior a 16.6 mW
 (Esta salida es la medición de valores a una distancia de 200 mm desde la superficie de la lente objetivo en el bloque de recogida óptica con una apertura de 7 mm.)
Velocidad del eje
 200 r/min (rpm) a 5000 r/min (rpm) (CVX)
 Cantidad de canales: 2

Sección de radio

Frecuencia: FM: 87.5 ~ 108 MHz
 AM: 531 ~ 1611 kHz (paso de 9 kHz)
 530 ~ 1610 kHz (paso de 10 kHz)

Sección sobre USB

Velocidad de bits admitida: MP3 (MPEG-1 capa de audio): 32 ~ 320 kbps, VBR
 16 ~ 320 kbps, VBR
 Frecuencia de muestra: MP3 (MPEG-1 capa de audio): 32/44.1/48 kHz
 WMA: 32/44.1/48 kHz
 (± USB port)

General

Altavoces: Full range: 8 cm de diám., 4 Ω, tipo cónico (2)
 Entrada: (± USB) port: Tipo A, corriente máxima de 500 mA
 Conector AUDIO IN (estéreo mini-jack)
 Salidas: Conector de auriculares (estéreo mini-jack)
 Para inserción con impedancia de 16 a 48 Ω
 Salida de energía: 1.7 vatios × 1.7 vatios (con impedancia de 16 a 48 Ω)
 Requisitos de alimentación: Modelos de Malasia y Singapur: ca de 230 a 240 V, 50 Hz
 Modelo de Tailandia: ca de 220, 50 Hz
 Modelo de Corea: 220 V de CA, 60 Hz
 Otros modelos: 230 V de CA, 50 Hz
 9 V de CC, 6 pilas R14 (tamaño C)

Para el control remoto: 3 V de CC, 2 pilas R03 (tamaño AAA)
 Consumo de energía: 13 vatios de CA

Especificaciones

Duración de las pilas
 Para el reproductor:
Recepción de FM
 Sony R14P: aprox. 13.5 horas
 Sony alkaline LR14: aprox. 20 horas
Reproducción de CD
 Sony R14P: aprox. 2.5 horas
 Sony alkaline LR14: aprox. 7 horas

Accesorios opcionales

Auriculares serie MDR de Sony

Operaciones básicas

Antes de usar la unidad

Acercar del voltaje de funcionamiento
 El voltaje de funcionamiento de la unidad aparece en la parte inferior de la unidad. Para cambiar el intervalo de sintonización de AM, el intervalo de frecuencia de radio y el funcionamiento con CA, compruebe el voltaje de funcionamiento de su unidad.

Para encender o apagar la unidad
 Pulse POWER [1].

Para ajustar el volumen
 Pulse VOLUME + (VOL +, - en el control remoto) [2].

Para escuchar a través de los auriculares
 Conecte los auriculares al conector [7] (auriculares).

Para reforzar el sonido de graves
 Pulse MEGA BASS [2] en la unidad.
 "MEGA BASS" aparece en el visor.
 Para volver al sonido normal, vuelva a pulsar el botón.

E

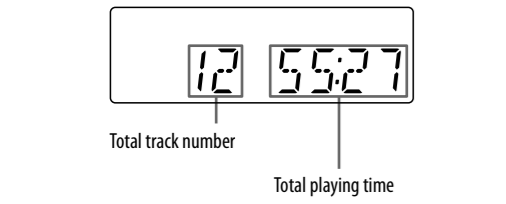
Other Operations

Using the display

You can check information about the CD using the display.

Checking the information of an audio CD

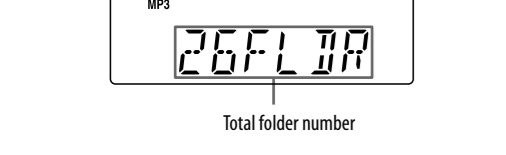
To check the total track number and playing time of the CD
Press ■ [9] to stop the CD playback.



Checking the information of an MP3/WMA disc

To check the total folder number on the CD
Press ■ [9] to stop the CD playback.

(Example:When you place MP3 disc)



To check file information

Press DISPLAY/ENTER [5] on the unit while playing an MP3/WMA disc. The display changes as follows:

→ The current file number and playing time

↓ The song title (♪?)

↓ The artist name (▲)

↓ The album name (□)

*If the file does not have ID3 information, file name or folder name appears in the display.

Playing tracks/MP3/WMA files repeatedly (Repeat Play)

You can play tracks/MP3/WMA files repeatedly in normal, shuffle or program play modes.

- Press CD [5] on the unit. "CD" appears in the display.
- Proceed as follows:

To repeat	Do this
A single track/MP3/WMA file	1 Press REPEAT [6] on the unit until "🔄" appears. 2 Press ⏮ or ⏭ [7] to select the track/MP3/WMA file that you want to repeat. 3 Press ▶ [8] .

All tracks/MP3/WMA files on the CD	1 Press REPEAT [6] on the unit until "🔄" appears. 2 Press ▶ [8] .
A selected folder (MP3/WMA disc only)	1 Press MODE [4] until "📁" appears and then press REPEAT [6] until "REP" appears. 2 Select the folder by pressing □ + or □ - [8] . 3 Press ▶ [8] .

Tracks/MP3/WMA files in random order	1 Start Shuffle Play (see "Playing tracks/MP3/WMA files in random order"). 2 Press REPEAT [6] on the unit until "🔄" appears. 3 Press ▶ [8] .
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MP3/WMA files in random order	1 Start Folder Shuffle Play (see "Playing files in a random order"). 2 Press REPEAT [6] on the unit until "🔄" appears. 3 Press ▶ [8] .
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Programmed tracks/MP3/WMA files	1 Program tracks/MP3/WMA files (see "Creating your own program"). 2 Press REPEAT [6] on the unit until "🔄" appears. 3 Press ▶ [8] .
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To cancel Repeat Play

Press REPEAT [6] on the unit until "🔄" disappears from the display.

Playing tracks/MP3/WMA files in random order (Shuffle Play)

You can play tracks/MP3/WMA files in random order.

- Press CD [5] on the unit. "CD" appears in the display.
- Press MODE [4] until "SHUF" appears in the display. When you select Folder Shuffle Play (MP3/WMA disc only), press MODE [4] on the unit until "📁" and "SHUF" appear in the display. Then press □ + or □ - [8] on the unit to select the folder you want.
- Press ▶[8] to start Shuffle Play.

To cancel Shuffle Play

Stop playing first. Then press MODE [4] until "SHUF" disappears from the display.

Tips

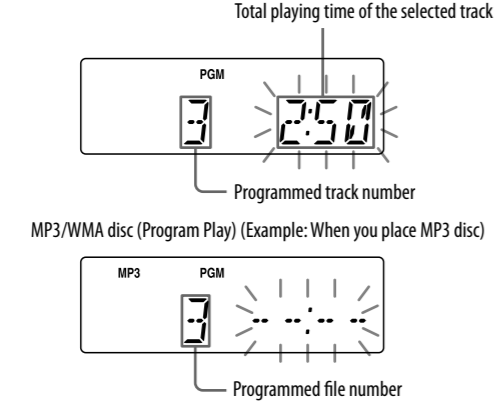
- During Shuffle Play, you cannot select the previous track/MP3/WMA file by pressing ⏮[7].
- The resume function does not work during Shuffle Play.

Creating your own program (Program Play)

You can arrange the playing order of up to 25 tracks/MP3/WMA files on a CD.

- Press CD [5] on the unit. "CD" appears in the display. "CD" appears in the display.
- Press MODE [4] until "PGM" appears in the display.
- Press ⏮ or ⏭[7] to select the track/MP3/WMA file, and then press DISPLAY/ENTER [5] to add it to the program. Repeat to program other tracks in the order that you want. After programming the first track, "STEP 1" appears, followed by selected track/MP3/WMA file. Each time you add a track/MP3/WMA file, a step number is added.

Audio CD (Program Play)



To cancel Program Play

Stop playing first. Then press MODE [4] until "PGM" disappears from the display.

To clear the program you set

Press ■[5]. "NO STEP" appears in the display for 2 seconds, and the same display information as when inserting a CD appears.

Tips

- You can play the same program again, since the program is saved, until you press ■[5] or opens the CD compartment.
- The resume function does not work during Program Play.

Presetting radio stations

You can store radio stations in its memory. You can preset up to 30 radio stations, 20 for FM and 10 for AM in any order.

- Press RADIO [3] repeatedly on the unit to select the band.
- Hold down RADIO [3] on the unit for 2 seconds until "AUTO" flashes in the display.
- Press DISPLAY/ENTER [5] on the unit. The stations are stored in memory from lower frequencies to higher ones.

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

- Press RADIO [3] repeatedly on the unit to select the band.
- Tune in the station you want.
- Hold down DISPLAY/ENTER [5] on the unit for 2 seconds until the preset number flashes in the display.
- Press PRESET + or - [7] on the unit until the preset number you want for the station flashes in the display.
- Press DISPLAY/ENTER [5] on the unit. The new station replaces the old one.

Tip
The preset radio stations remain in memory even if you unplug the AC power cord or remove the batteries.

Precautions

Playing preset radio stations

- Press RADIO [3] repeatedly on the unit to select the band.
- Press PRESET + or - [7] on the unit to tune in the stored station.

Falling asleep to music

- Play the music source you want.
- Press SLEEP [3] to display "SLEEP".
- Press SLEEP [3] to select the minutes until the unit goes off automatically.

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

"AUTO" → "60MIN" → "30MIN" → "20MIN" → "10MIN" → "OFF"

*When you select "AUTO," the CD and USB stops playing in 90 minutes at most and the unit goes off automatically. When you are listening to the radio and audio in, the unit goes off in 90 minutes.

When the preset time has passed, the unit goes off automatically.

If 4 seconds pass after pressing SLEEP [3], the currently displayed time option is entered.

To cancel the sleep function

Press POWER [1] to turn the power, or press SLEEP [3] repeatedly to set the sleep timer to "OFF" in step 3.

Playable USB devices

You can use the following Sony USB devices on this unit. Other USB devices are not playable on this unit.

Verified Sony digital music players (as of January 2008)

Product name	Model name
Walkman®	NWD-B103 / B103F / B105 / B105F
	NWZ-A815/A816/A818
	NWZ-S515/S516/S615F/S616F/S618F/S716F

CD

Check the websites below for the latest information about compatible devices.

For customers in Europe: <http://support.sony-europe.com/>
For customers in Latin America: <http://www.sony-latin.com/pa/info/>
For customers in Asia and Oceania: <http://www.sony-asia.com/section/support/>

Notes

- When formatting the above models, be sure to format using the model itself or the dedicated formatting software for that model.
- Do not use any other than these USB devices. Operations of models not listed here is not guaranteed.
- Operation may not always be ensured even when using these USB devices.
- Some of these USB devices may not be available for purchase in certain areas.
- Playback of Windows Media Audio/AAC files with copyright protection is not supported.
- Files downloaded from a music download website may not be played.
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Precautions

Discs that this unit CAN play

- Audio CD
- CD-R/CD-RW (CD-DA*/MP3/WMA files)

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

Discs that this unit CANNOT play

- CD-R/CD-RW other than those recorded in music CD format, WMA format and MP3 format conforming to ISO9660 Level 1/Level 2 or Joliet
- CD-R/CD-RW of poor recording quality, CD-R/CD-RW that has scratches or is dirty, or CD-R/CD-RW recorded with an incompatible recording device
- CD-R/CD-RW which is incorrectly finalized

Notes on discs

- Before playing, clean the CD with a cleaning cloth.
- Wipe the CD from the center out. If there is a scratch, dirt or fingerprints on the CD, it may cause a tracking error.



- 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, nor leave it in a car parked in direct sunlight as there can be a considerable rise in temp. extens inside the car.
- Do not stick paper or stickers on the CD, nor scratch the surface of the CD.
- After playing, store the CD in its case.

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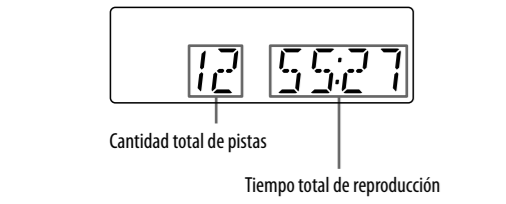
Otras operaciones

Uso del visor

Puede comprobar información sobre el CD a través del visor.

Comprobación de la información de un CD de audio

Para comprobar la cantidad total de pistas y el tiempo de reproducción del CD
Pulse ■ [9] para detener la reproducción del CD.



Comprobación de la información de un disco MP3/WMA

Para comprobar la cantidad total de carpetas en el CD
Pulse ■ [9] para detener la reproducción del CD.

(Por ejemplo: cuando coloca un disco MP3)



Para comprobar la información del archivo
Pulse DISPLAY/ENTER [5] en la unidad mientras se reproduce un disco MP3/WMA. El visor cambia de la siguiente manera:

→ La cantidad de archivos y el tiempo de reproducción actuales

↓ El título de la canción (♪?)

↓ El nombre del artista (▲)

↓ El nombre del álbum (□)

* Si el archivo no tiene información de ID3, aparece en el visor el nombre de archivo o de carpeta.

Reproducción de archivos MP3/WMA/pistas en forma repetida (reproducción repetida)

Puede reproducir archivos MP3/WMA/pistas de forma repetida en los modos de reproducción normal, aleatoria o programada.

- Pres CD [5] en la unidad. "CD" aparece en el visor.
- Realice las siguientes acciones:

Para repetir	Haga lo siguiente
Un sólo archivo MP3/WMA/pista	1 Pulse REPEAT [6] en la unidad hasta que aparezca "🔄". 2 Pulse ⏮ or ⏭ [7] para seleccionar el archivo MP3/WMA/pista que desea repetir. 3 Pulse ▶ [8] .

Todos los archivos MP3/WMA/pistas en la unidad hasta que aparezca "🔄".

Una carpeta	1 Pulse MODE [4] hasta que aparezca "📁". 2 Pulse ▶ [8] hasta que aparezca "REP". 3 Pulse ▶ [8] .
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Archivos MP3/WMA/pistas en orden aleatorio.

Archivos MP3/WMA/pistas en orden aleatorio	1 Inicie la reproducción aleatoria (consulte "Reproducción de archivos MP3/WMA/pistas en orden aleatorio"). 2 Pulse REPEAT [6] en la unidad hasta que aparezca "🔄". 3 Pulse ▶ [8] .
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Archivos MP3/WMA/pistas en orden aleatorio	1 Inicie la reproducción aleatoria de carpetas (consulte "Reproducción de una carpeta seleccionada en orden aleatorio"). 2 Pulse REPEAT [6] en la unidad hasta que aparezca "🔄". 3 Pulse ▶ [8] .
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Archivos MP3/WMA/pistas programados	1 Programe los archivos MP3/WMA/pistas (consulte "Creación de una programación propia"). 2 Pulse REPEAT [6] en la unidad hasta que aparezca "🔄". 3 Pulse ▶ [8] .
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Para cancelar la reproducción repetida
Pulse REPEAT [6] en la unidad hasta que desaparezca "🔄" del visor.

Otras operaciones

Reproducción de archivos MP3/WMA/pistas en orden aleatorio (reproducción aleatoria)

Puede reproducir archivos MP3/WMA/pistas en orden aleatorio.

- Pulse CD [5] en la unidad. "CD" aparecerá en el visor.
- Pulse MODE [4] hasta que aparezca "SHUF" en el visor. Cuando selecciona la reproducción aleatoria de carpetas (disco MP3/WMA solamente), pulse MODE [4] en la unidad hasta que aparezca "📁" y "SHUF" en el visor. A continuación, pulse □ + o - [8] en la unidad para seleccionar la carpeta que desee.
- Pulse ▶[8] para iniciar la reproducción aleatoria.

Para cancelar la reproducción aleatoria

Primero, detenga la reproducción. Luego, pulse MODE [4] hasta que desaparezca "SHUF" del visor.

Sugerencias

- Durante la reproducción aleatoria, no es posible seleccionar el archivo MP3/WMA/pista anterior pulsando ⏮[7].
- La función de reanudación no funciona durante la reproducción aleatoria.

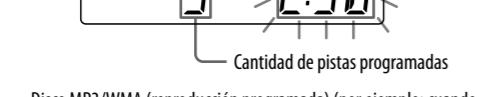
Creación de una programación propia (reproducción programada)

Puede organizar el orden de reproducción de hasta 25 archivos MP3/WMA/pistas de un CD.

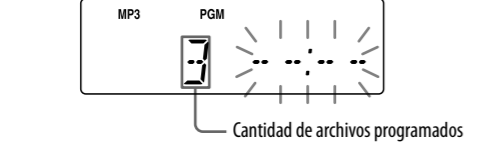
- Pulse CD [5] en la unidad. "CD" aparecerá en el visor.
- Pulse MODE [4] hasta que aparezca "PGM" en el visor. Cuando selecciona la reproducción aleatoria de carpetas (disco MP3/WMA solamente), pulse MODE [4] en la unidad hasta que aparezca "📁" y "SHUF" en el visor. A continuación, pulse □ + o - [8] en la unidad para seleccionar la carpeta que desee.
- Pulse ⏮ or ⏭[7] para seleccionar el archivo MP3/WMA/pista y, a continuación, pulse DISPLAY/ENTER [5] para agregarlo a la programación. Repita esta operación para programar otras pistas en el orden que desee. Después de programar la primera pista, aparecerá "STEP 1" (Paso 1), seguida del archivo MP3/WMA/pista seleccionado. Cada vez que agrega un archivo MP3/WMA/pista, se agrega un número de paso.

CD de audio (reproducción programada)

Tiempo total de reproducción de la pista seleccionada



Disco MP3/WMA (reproducción programada) (por ejemplo: cuando coloca un disco MP3)



Consulte los siguientes sitios web para obtener la información más reciente sobre los dispositivos compatibles.

Para clientes de Europa: <http://support.sony-europe.com/>
Para clientes de América Latina: <http://www.sony-latin.com/pa/info/>
Para clientes de Asia y Oceanía: <http://www.sony-asia.com/section/support/>

Notas

- Si finalizar los modelos anteriores, asegúrese de hacerlos con el propio modo o el software de formatos específico para ese modelo.
- No utilice otros dispositivos diferentes a otros dispositivos USB.
- No se garantiza el funcionamiento de modelos que no están mencionados aquí.
- No siempre puede garantizarse el funcionamiento incluso cuando se utilizan estos dispositivos USB.
- Es posible que alguno de estos dispositivos USB no estén disponibles para la compra en ciertas áreas.
- No se admite la reproducción de archivos AAC/de audio de Windows Media protegidos por derechos de autor.
- Es posible que no se puedan reproducir archivos descargados de un sitio web de descarga de música.
- No se admite la conexión a través de un concentrador.

Si desea realizar alguna consulta o solucionar algún problema relacionado con el reproductor, póngase en contacto con el distribuidor Sony más próximo.

Precauciones

- Pulse PRESET + o - [7] en la unidad hasta que el número de memorización que desea para la emisora parpadee en el visor.
- Pulse DISPLAY/ENTER [5] en la unidad. La emisora nueva reemplaza a la anterior.

Sugerencia

Las emisoras de radio memorizadas permanecen en la memoria incluso si se desconecta el cable de alimentación de CA o se retiran las pilas.

Reproducción de las emisoras de radio memorizadas