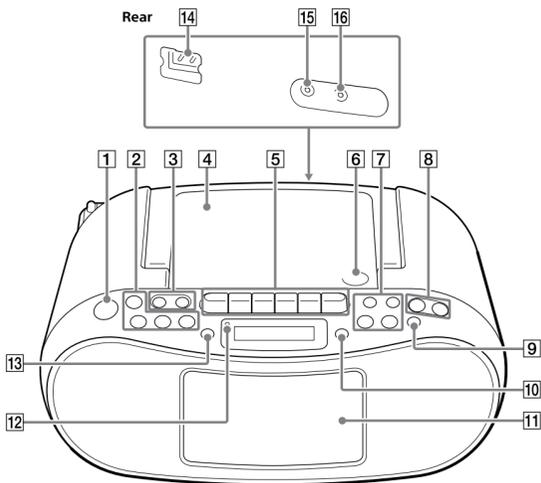


Other Operations



Selecting play mode

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

Press **MODE** **[13]** repeatedly.



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

- Normal play (None)
- ↓
- Single repeat (↺ 1)
- ↓
- All repeat (↺)
- ↓
- Selected folder play (□)*
- ↓
- Selected folder repeat play (↺, □)*
- ↓
- Shuffle play (SHUF)
- ↓
- Program play (PGM)
- ↓
- Program repeat play (↺, PGM)

* These functions are available only when playing MP3 files on an MP3 disc.

Playing tracks/files repeatedly (Repeat Play)

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

- Press **CD** **[2]** to turn on the CD function.



- Proceed as follows.

To repeat	Do this
A single track/file	<ol style="list-style-type: none"> Press MODE [13] repeatedly until "↺ 1" appears. Press ◀ or ▶ [7] to select a track/file that you want to repeat. When you want to specify a folder that contains MP3 files, press □ + or - [3] first to select a folder, and then press ◀ or ▶ [7] to select a file. Press ▶▶ [7] to start Repeat Play.
All tracks/files	<ol style="list-style-type: none"> Press MODE [13] repeatedly until "↺" appears. Press ▶▶ [7] to start Repeat Play.
A selected folder on an MP3 disc	<ol style="list-style-type: none"> Press MODE [13] repeatedly until "□" and "↺" appear. Select a folder by pressing □ + or - [3]. Press ▶▶ [7] to start Repeat Play.
Programmed tracks/files	<ol style="list-style-type: none"> Program tracks/files (see "Creating your own program (Program Play)"). Press MODE [13] until "PGM" and "↺" appear on the display. Press ▶▶ [7] to start Repeat Play.

To cancel Repeat Play

Press **■** **[7]** to stop playback, and then press **MODE** **[13]** 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 or MP3 files on a CD-R/CD-RW disc in random order.

- Press **CD** **[2]** to turn on the CD function.



- Press **MODE** **[13]** repeatedly until "SHUF" appears on the display.



- Press **▶▶** **[7]** to start Shuffle Play.



To cancel Shuffle Play

Press **■** **[7]** to stop playback, and then press **MODE** **[13]** repeatedly until "SHUF" disappears from the display.

Note
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.

- Press **CD** **[2]** to turn on the CD function.



- Press **MODE** **[13]** repeatedly until "PGM" appears on the display.



Listening to preset radio stations

- Press **RADIO FM/AM** **[2]** repeatedly to select a band.

AUTO PRESET

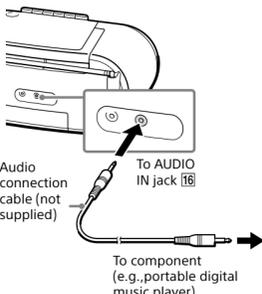


- Press **PRESET +** or **-** **[7]** to select a stored preset number for the desired radio station.



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 **[16]** 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** **[2]** 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 **[16]** is connected to the monaural output jack of a digital music player, sound may not be emitted through the right speaker of the unit.
- If the **AUDIO IN** jack **[16]** 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 **[16]** 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 CDs on the market that conform to the CD-DA¹ standard.
 - CD-R/CD-RW discs that contain audio tracks and conform to the CD-DA¹ standard.
 - CD-R/CD-RW discs that contain MP3 files and are finalized² 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 discs other than those recorded in audio CD format or formats conforming to ISO 9660 Level 1/Level 2 or Joliet
- CD-R/CD-RW discs of poor recording quality, CD-R/CD-RW discs with scratches or those are dirty, or CD-R/CD-RW discs recorded using an incompatible recording device
- CD-R/CD-RW discs that are unfinalized or finalized incorrectly
- CD-R/CD-RW discs that contain files created in audio formats other than MP3

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 benzene, 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

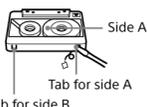
- A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

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.

Notes on cassettes

- Remove the overwrite protection tab from side A or B to prevent accidental recording. If you want to reuse the tape for recording, cover the broken tab using adhesive tape.



- The use of a cassette tape with more than 90 minutes of play time is not recommended except for long, continuous recording or playback.

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 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

- 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 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 benzene.

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

Troubleshooting

General

The power 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 power does not turn on during battery operation.

- Make sure the batteries are inserted correctly.

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.

CD/MP3 player

The CD player does not play or "noDISC" is displayed 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 files on the disc.
- The CD-R/CD-RW is blank or unfinalized.
- 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 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 files.

Radio

The sound is weak or reception is poor.

- Replace all the batteries with new ones.
- Move the unit away from nearby TVs.
- For FM reception, extend the antenna to its full length, and reorient it for best FM reception. For AM reception, reorient the unit itself to find the best reception.
- If you are in a building, listen near a window.
- If a mobile phone is placed close to the unit, a loud noise may be heard from the unit. Keep the phone away from the unit.

The TV picture is unstable.

- If you are listening to an FM program near a TV with an indoor antenna, move the unit away from the TV.

Tape

The tape does not move when you press an operation button.

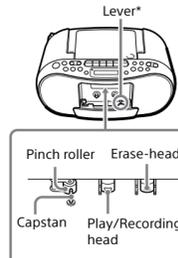
- Close the cassette compartment cover securely.

The [5] button does not function or the tape does not start playback or recording.

- Make sure that the overwrite protection tub has not been removed.

Poor or distorted playback, recording or erasing quality.

- Clean the surfaces of the pinch roller, play/recording head and erase-head as shown below using a dry cotton swab. If the surfaces are still dirty, clean them using a cotton swab moistened with a commercially available cleaning fluid.



* Expose the erase-head by pressing the recording button (● [5]) while holding down the lever with your finger.

- Demagnetize the heads using a commercially available tape head demagnetizer.
- Use a type I (normal) cassette tape. You cannot use the type IV (metal) tapes or type II (high position) tapes with this system. These types may cause sound distortion.

After trying the suggested remedies, if the problem persists, unplug the AC power cord or remove all the batteries. After all the indications on the display disappear, plug in the AC power cord again, or re-insert the batteries. If the problem persists, consult your nearest Sony dealer.

Specifications

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION
(The United States model only)
With 4-ohm loads, both channels driven from 150 Hz – 10,000 Hz; rated 1.1 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
Supported audio format
MP3 (MPEG 1 Audio Layer-3)
Bit rates: 32 kbps – 320 kbps, VBR
Sampling frequencies: 32/44.1/48 kHz

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: 300 kHz
AM: 400 kHz
Antennas
FM: Telescopic antenna
AM: Built-in ferrite bar antenna

Tape deck section

Recording system
4-track 2-channel, stereo
Fast winding time
Approx. 150 s (sec.) with Sony cassette C-60
Frequency response
Type I (normal): 80 Hz – 10,000 Hz

Input

AUDIO IN
Stereo mini jack

Output

⌂ (headphones) stereo mini jack
For 16 Ω – 32 Ω impedance headphones

General

Speaker
Full range, 8 cm dia., 4 Ω, cone type (2)
Power output
1.7 W + 1.7 W (at 4 Ω, 10% harmonic distortion)
Power requirements
120 V AC, 60 Hz (AC power supply)
9 V DC (6 R14 (size C) batteries)
Power consumption
AC 12 W (approx. 0.8 W at the power saving mode)
Battery Life^{*1, *2}
Playback of CD
Approx. 8 hours (at a volume level of around 24)
Recording FM programs
Approx. 19 hours
Playback of tape
Approx. 13 hours (at a volume level of around 24)

*1 Measured by Sony standards. The actual battery life may vary depending on the circumstances of the unit or operating conditions.
*2 When using Sony alkaline batteries

Dimensions

Approx. 320 mm × 139 mm × 219 mm
(12 5/8 in × 5 1/2 in × 8 5/8 in) (W/H/D) (incl. projecting parts)
Mass
Approx. 2.0 kg (4 lb 6 oz)
Approx. 2.3 kg (5 lb 1 oz) (including the weight of a disc, batteries and a cassette tape)

Supplied accessories

AC power cord (1)

Design and specifications are subject to change without notice.

For customers in the USA

Please register this product on line at the following website.

<http://www.sony.com/productregistration>
Proper registration will enable us to send you periodic mailings about new product, services and other important announcements. Registering your product will also allow us to contact you in the unlikely event that the product needs adjustment or modification. Thank you.

SONY

LIMITED WARRANTY (U.S. Only)

Sony Electronics Inc. ("Sony") warrants this product against defects in material or workmanship for the time periods and as set forth below when purchased directly from Sony or a Sony Retailer. Pursuant to this Limited Warranty, Sony will, at its option, (i) repair the product using new or refurbished parts or (ii) replace the product with a new or refurbished product. For purposes of this Limited Warranty, "refurbished" means a product or part that has been returned to its original specifications. In the event of a defect, these are your exclusive remedies.

Labor: For a period of ninety (90) days from the original date of purchase of the product ("Labor Warranty"), Sony will, at its option, repair or replace with new or refurbished product, product determined to be defective. If Sony elects to replace the product after this Labor Warranty has expired but while the Parts Warranty below is still in effect, it will do so for the applicable labor charge.

Parts: For a period of one (1) year from the original date of purchase of product ("Parts Warranty"), Sony will supply new or refurbished replacement parts in exchange for parts determined to be defective.

This Limited Warranty covers only the hardware components packaged with the Product. It does not cover technical assistance for hardware or software usage and it does not cover any software products whether or not contained in the Product; any such software is provided "AS IS" unless expressly provided for in any enclosed software Limited Warranty. Please refer to the End User License Agreements included with the Product for your rights and obligations with respect to the software.

Instructions: To obtain warranty service, you must deliver the product, freight prepaid, in either its original packaging or packaging affording an equal degree of protection to the Sony authorized service facility specified. It is your responsibility to backup any data, software or other materials you may have stored or preserved on your unit. It is likely that such data, software, or other materials will be lost or reformatted during service and Sony will not be responsible for any such damage or loss. A dated purchase receipt from Sony or a Sony Retailer is required. For specific instructions on how to obtain warranty service for your product,

Visit Sony's Web Site:
www.sony.com/support
Or call the Sony Customer Information Service Center
1-800-222-SONY (7669)

For an accessory or part not available from your authorized dealer, call:
1-800-488-SONY (7669)

Repair / Replacement Warranty: This Limited Warranty shall apply to any repair, replacement part or replacement product for the remainder of the original Limited Warranty period or for ninety (90) days, whichever is longer. Any parts or product replaced under this Limited Warranty will become the property of Sony.

This Limited Warranty only covers product issues caused by defects in material or workmanship during ordinary consumer use; it does not cover product issues caused by any other reason, including but not limited to product issues due to commercial use, acts of God, misuse, limitations of technology, or modification of or to any part of the Sony product or product purchased from other than Sony or a Sony Retailer. To determine if a retailer is part of the Sony Retailer Network, please contact Sony's Customer Service Call Center or go to www.sony.com/support. This Limited Warranty does not cover Sony products sold AS IS or WITH ALL FAULTS or consumables (such as fuses or batteries). This Limited Warranty is invalid if the factory-applied serial number has been altered or removed from the product. This Limited Warranty is valid only in the United States.

LIMITATION ON DAMAGES: SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT.
DURATION OF IMPLIED WARRANTIES: EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This Limited Warranty gives you specific legal rights and you may have other rights which vary from state to state.