

DIGITAL RADIO

DAB/FM

Operating Instructions

DAB DAB+

R-D-S



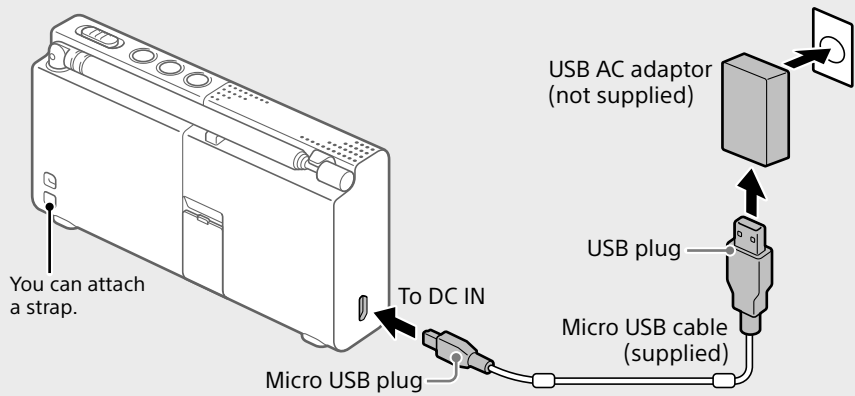
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XDR-P1DBP

Getting Started

1 Charge the radio from a wall outlet using the micro USB cable (supplied).

Charge the built-in lithium-ion rechargeable battery before using the radio for the first time. The battery will be fully charged (**) in about 4 hours.



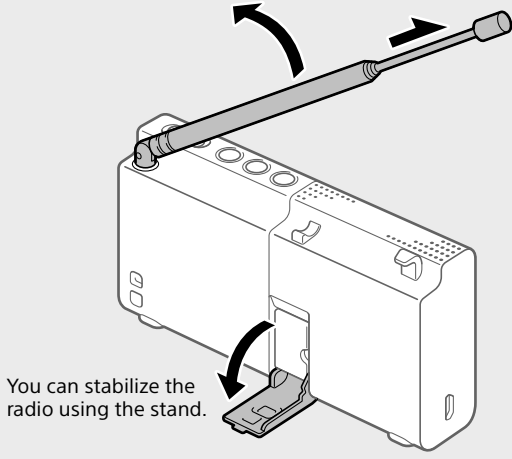
Notes

- When using a commercially available USB AC adaptor, be sure to use an adaptor with a power output of 0.5 A or more. Charging with other types of adaptors is not covered by the warranty.
- If you charge the battery while listening to the radio, there may be noise interference in the radio.

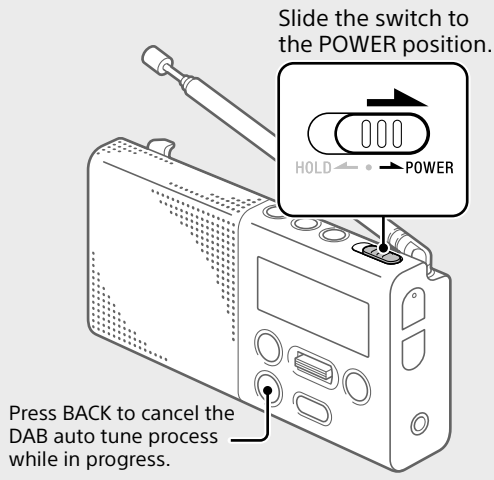
Tip

You can also charge the battery by connecting the USB plug to some USB devices, such as a PC, USB battery charger, etc.

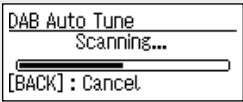
2 Extend the antenna.



3 Turn on the radio.



If it is the first time the radio is turned on, DAB auto tune is performed automatically.



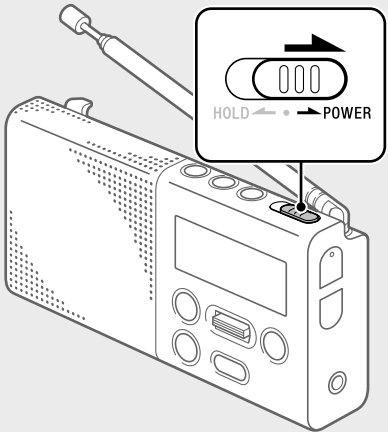
After DAB auto tune is completed, the radio receives the first station in the DAB station list stored by DAB auto tune.

Tips

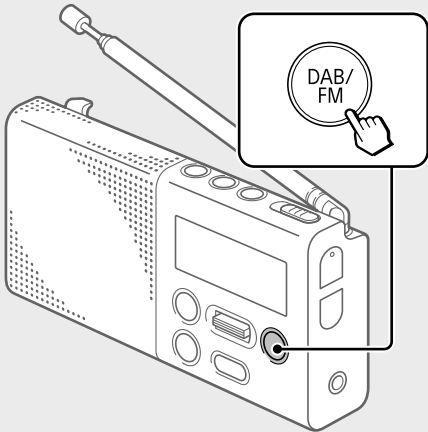
- To perform DAB auto tune again later, see “To make a new DAB station list” below.
- The backlight will turn off if no operation is performed for about 30 seconds to minimize power consumption.

Listening to the Radio

1 Turn on the radio.

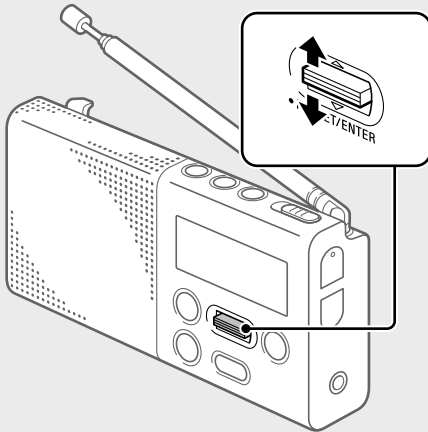


2 Press DAB/FM repeatedly to select DAB or FM.

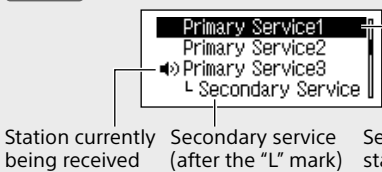


3 Select a desired station or service.

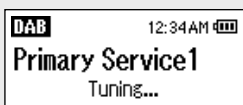
Slide the jog lever up or down to make a selection.



DAB



Press the jog lever.



“SC” lights up when a secondary service is received.

Scrolling text (DLS: Dynamic Label Segment of up to 128 characters)

FM



Station name*

Scrolling text (RT: Radio Text of up to 64 characters)*

* Displayed only when RDS data has been received.

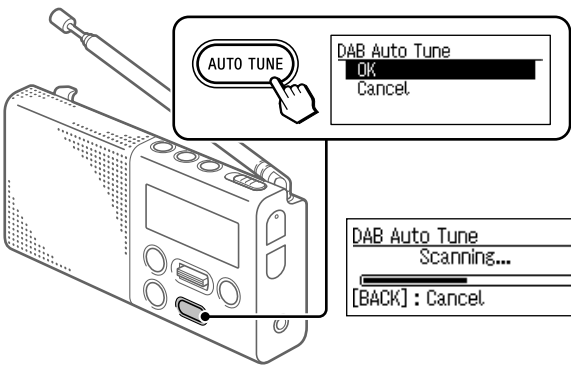
See “Setup Menu Options” for manual tuning.

Tips on receiving FM station names

- FM station names will be received and stored in the radio while you are listening to the broadcasts.
- FM station names may not be transmitted, depending on the station.

To make a new DAB station list

If you have moved to another region, perform the DAB auto tune again. Select DAB, then press AUTO TUNE.



Select “OK” to start the DAB auto tune process.

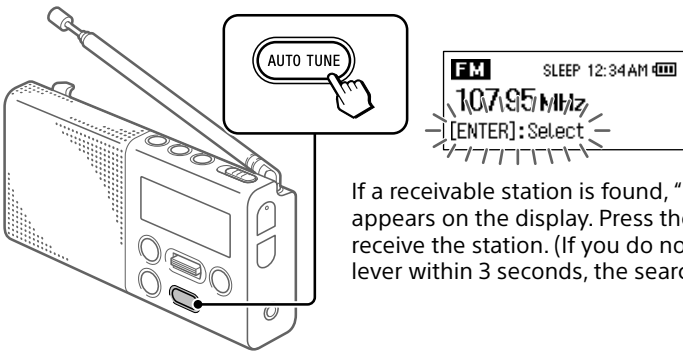
The radio receives the first station in the new station list.

Notes

- The currently stored station list will be cleared once the DAB auto tune process has started.
- When the setup menu is displayed, DAB auto tune is not performed even when AUTO TUNE is pressed.

To search FM stations

You can search receivable FM stations in 0.05 MHz steps. Select FM, then press AUTO TUNE.



If a receivable station is found, “[ENTER]:Select” appears on the display. Press the jog lever to receive the station. (If you do not press the jog lever within 3 seconds, the search will restart.)

Tips

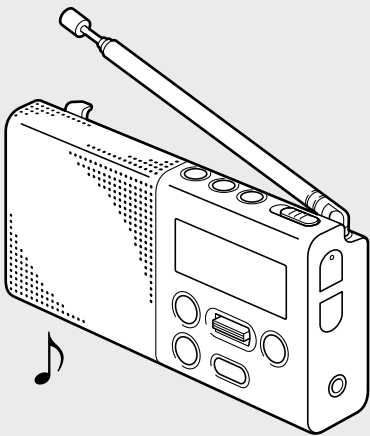
- You can also search FM stations by sliding and holding the jog lever up or down after selecting FM.
- Press BACK to stop searching FM stations.

Assigning stations to the Favourite buttons

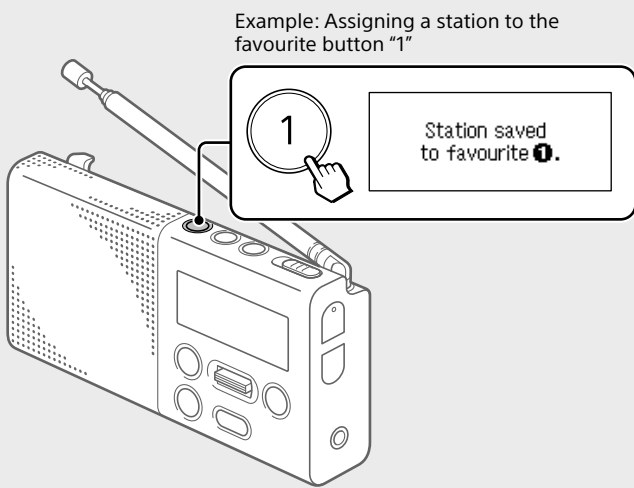
Assign your favourite stations to the 3 favourite buttons. You can assign up to 3 stations (DAB and/or FM).

1 Tune to the station you want.

Follow steps 1 to 3 in “Listening to the Radio” above.



2 Press and hold the desired favourite button (1 – 3) until “Station saved to favourite x.” appears on the display.



3 Repeat steps 1 and 2 to assign another station to another favourite button.

Changing button assignment

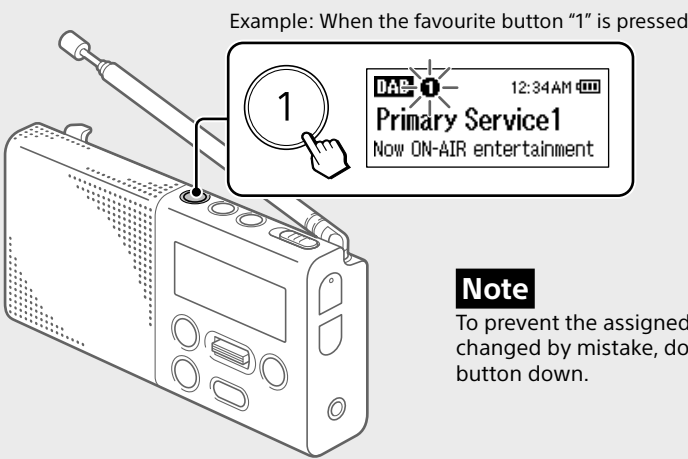
- 1 Tune to a new station.
- 2 Press and hold the favourite button you want to change until “Station saved to favourite x.” appears on the display. The previously assigned station on the selected button will be replaced by the new one.

Tip

The button assignment information remains in the radio’s memory even after a DAB auto tune is performed.

Listening to an assigned station

Press the desired favourite button (1 – 3).



Note

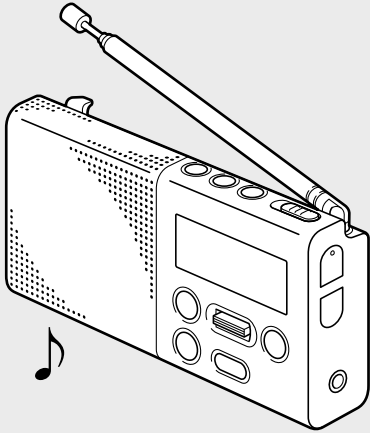
To prevent the assigned station from being changed by mistake, do not hold the favourite button down.

Presetting stations to the preset list

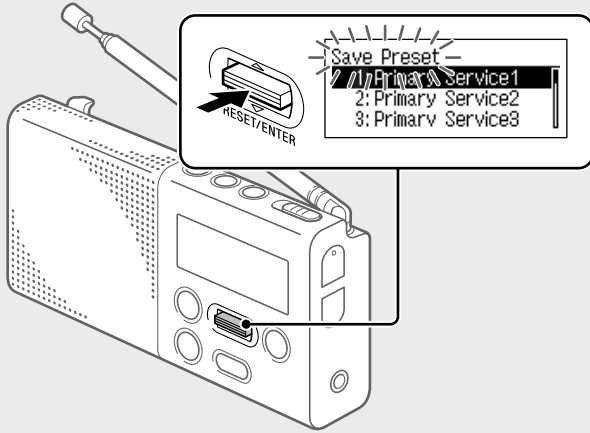
You can preset up to 10 DAB and 10 FM stations.

1 Tune to the station you want.

Follow steps 1 to 3 in “Listening to the Radio” above.

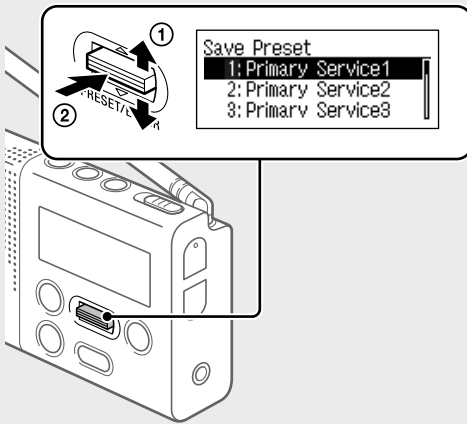


2 Press and hold the jog lever until “Save Preset” appears on the display.



3 Select the desired preset number.

Slide the jog lever up or down to select the desired preset number (①), then press the lever (②).

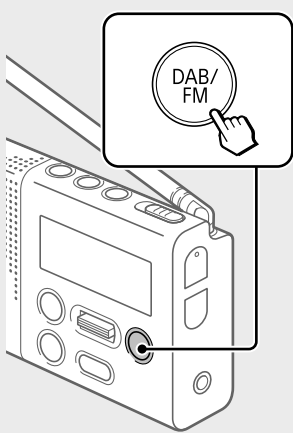


Tips

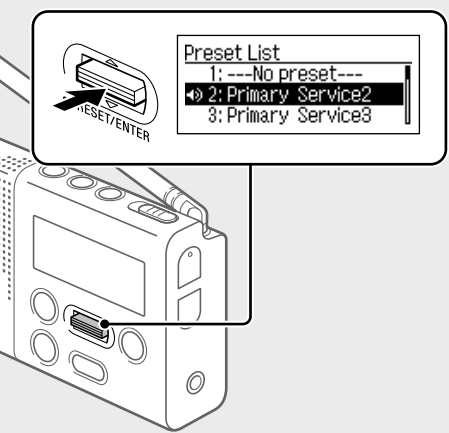
- You can also preset stations from the setup menu. [MENU] → Save Preset
- The preset stations remain in the radio’s memory even after a DAB auto tune is performed.
- If another station is already assigned to the selected preset number, that station is replaced by the new station.

Listening to the stations from the preset list

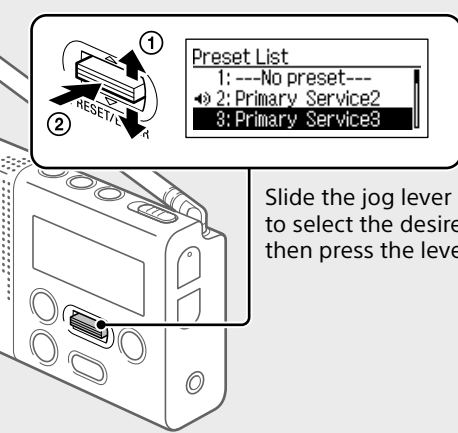
1 Select DAB or FM.



2 Press the jog lever to display the preset list.

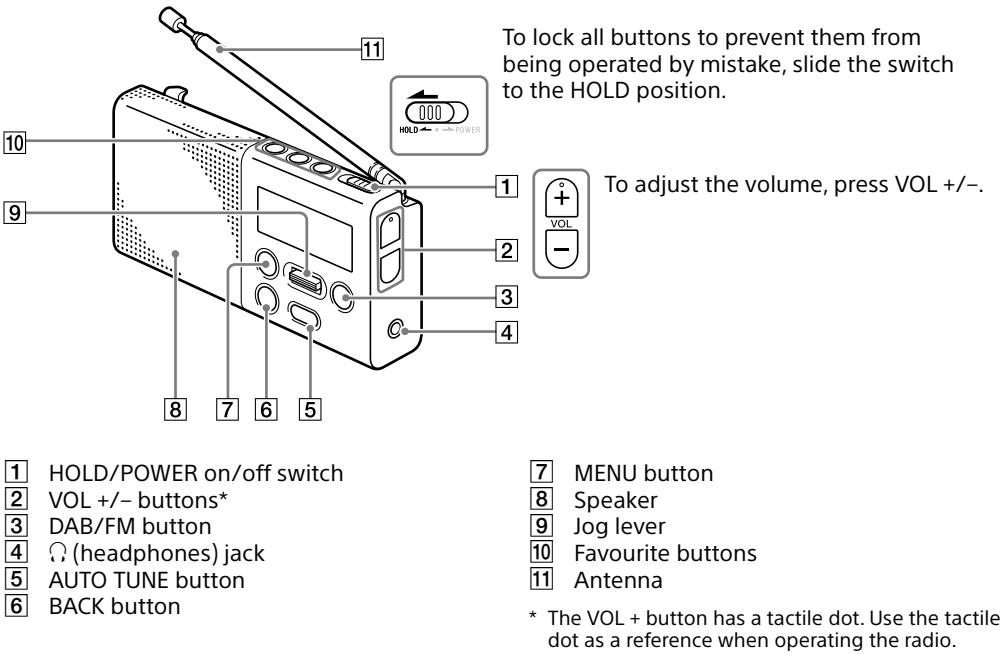


3 Select the desired station.

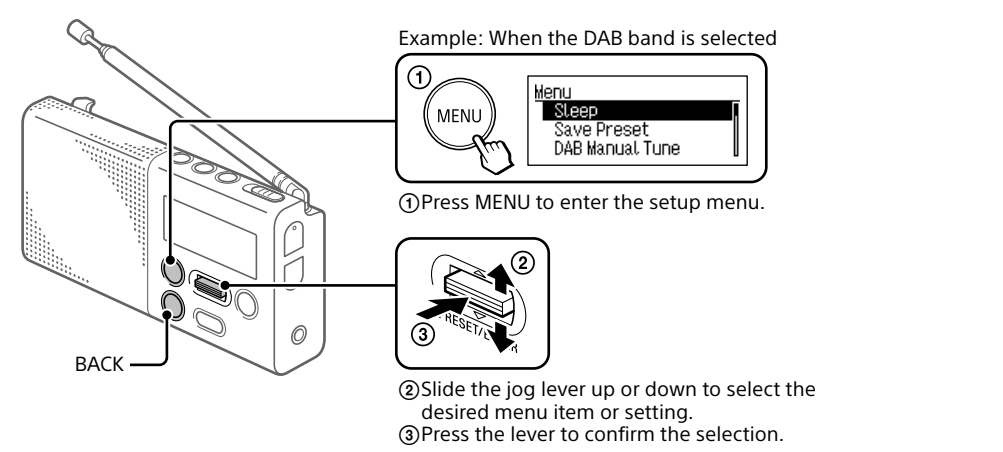


Slide the jog lever up or down to select the desired station (①), then press the lever (②).

Guide to parts and controls



Setup Menu Options



To go back to the upper menu level
Press BACK.

To exit the setup menu
Press MENU again.

Sleep

The radio automatically turns off after a set time has elapsed.
Select the desired timer setting (minutes) from the following:

Off (deactivated)/**15 min./30 min./45 min./60 min.**

When the sleep timer is set, "SLEEP" lights up on the display.

Save Preset

You can preset stations to the preset list.

DAB Manual Tune

If DAB reception by DAB auto tune is poor, try manual tuning.

Slide the jog lever up or down to select the desired DAB channel, then press the lever.

The radio starts scanning for receivable stations in the selected channel.

Tip

The new station received by manual tuning is stored in the DAB station list.

Information

DAB
Displays information for the station you are listening to. Slide the jog lever up or down to scroll through the following information:

Channel: Channel and frequency (See the DAB frequency table in "Specifications.")

Multiplex Name: Ensemble label (up to 16 characters long)

Service Name: Station name

PTY: PTY label (See "PTY (programme type)" in "Specifications.")

Bit Rate: Bit rate

Signal Level : Displays the signal level of the DAB station you are listening to, ranging from 0 (no signal) to 100 (maximum signal).

FM

Displays PTY label (see "PTY (programme type)" in "Specifications") for the station you are listening to.

Note

If there is no ensemble label or no station name, the space for label or name will be blank.

Time

Set Time: "Auto (DAB)" is set by default. This enables the clock to synchronize with the DAB data being received. Select "Manual" to set the clock manually using the jog lever.

12H/24H: Select the clock display mode, 12-hour clock or 24-hour clock.

Beep

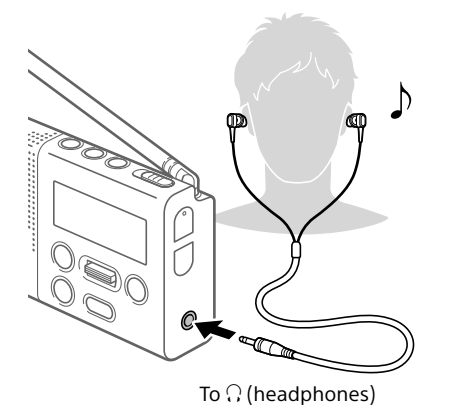
Select "On" to activate the beep sound when you operate the radio.

Initialize

Select "OK" to initialize the radio to the factory default settings. All settings, DAB and FM station lists and presets will be deleted.

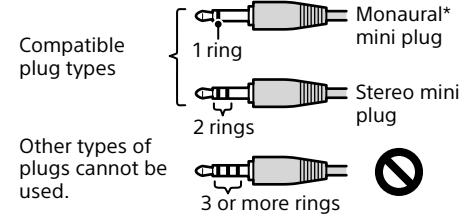
Listening through headphones

Connect headphones that have a stereo or monaural* mini plug (not supplied).



Note

When connecting headphones to the unit, use headphones with a stereo (3-pole) or monaural (2-pole) mini plug. Sound may not be heard when using other types of plugs.



* When listening to stereo sound using monaural headphones, you will hear sound from the left channel only.

About RDS Features

What is RDS?

Introduced by the European Broadcasting Union (EBU) in 1987, the Radio Data System (RDS) allows information such as station names to be received via the 57 kHz sub-carrier signal of FM broadcasts. However, the availability of RDS data varies depending on the area. It therefore may not be always be possible to receive RDS information.

Using the RDS functions

The radio supports the following RDS functions.

RDS function	Description
Station name display	Displays the station name you are listening to.
PTY (programme type)	Displays the programme type of the received programme.
RT (radio text)	Displays the free-form textual information.

Tip

When connecting headphones to the unit, the headphones cord works as an antenna. Extend the cord as long as possible.

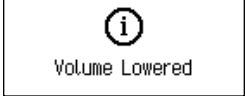
Maintaining the moderate volume level (European models only)

The radio limits the maximum volume to allow you to listen to the sound at a moderate volume level when using the headphones. When you try to adjust the volume to a level that exceeds the specified level, the "Check The Volume Level" message appears.



Note

The volume is lowered automatically and the "Volume Lowered" message appears, if you do not lower the volume for the specified period of time after the "Check The Volume Level" message appears.



Notes

- The RDS functions will not be activated if the FM station being received is not transmitting RDS data. They may also not work properly in areas where RDS transmissions are in the experimental stage.
- If the radio signal being received is weak, it may take time to receive the RDS data.

Precautions

- Operate the unit only on the power sources specified in "Specifications."
- Use the unit within a temperature range of 0°C to 40°C. If it is used in temperatures higher than this range, the display may gradually turn black. If it is used in temperatures lower than this range, the display may change very slowly. (These irregularities will disappear and there will be no damage to the unit when the unit is used in the recommended temperature range again.)
- Avoid exposure to temperature extremes, direct sunlight, moisture, sand, dust or mechanical shock. Never leave in a car parked in the sun.
- Should any solid object or liquid fall into the unit, disconnect the micro USB cable, and have the unit checked by a qualified personnel before operating it any further.
- 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 magnetism.
- To clean the casing, use a soft dry cloth. Do not use any type of solvent, such as alcohol or benzine, which may damage the finish.
- Do not operate the unit with wet hands since it may cause a short circuit.
- When you do not use the unit for a long time, charge the battery every 6 months.
- Make sure not to splash water on the unit. This unit is not waterproof.
- Under certain circumstances, especially when the air is very dry, it is not uncommon to experience a discharge of static electricity, or shock, when your body comes in contact with another object, in this case the ear buds touching your ear(s). The energy from this natural discharge is extremely small and is not emitted by your product but rather a natural environmental occurrence.
- Do not dismantle, open or shred secondary cells or batteries.
- In the event of a cell leaking, do not allow the liquid to come in contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- Do not use any cell or battery which is not designed for use with the equipment.

- Secondary cells and batteries need to be charged before use.
- After extended periods of storage, it may be necessary to charge and discharge the cells or batteries several times to obtain maximum performance.
- Dispose of properly.



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

This symbol on the product, the battery or on the packaging indicates that the product and the battery 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 products and 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. 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 and the electrical and electronic equipment will be treated properly, hand over these products 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 or battery.

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

Troubleshooting

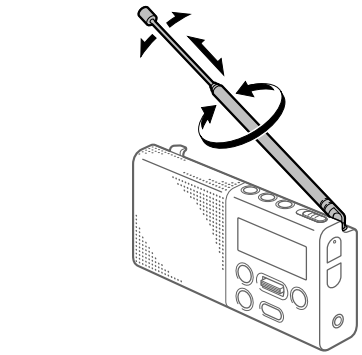
Should any problem persist after you have made the following checks, consult your nearest Sony dealer.

Display is dim, or no indication is displayed.

- The radio is being used in extremely high or low temperatures or in a place with excessive moisture.

Very weak or interrupted sound, or unsatisfactory reception.

- If you are in a building, listen near a window.
- Extend the antenna and adjust the length and the angle for best reception.



- If the remaining battery level is low, charge the battery.
- If a mobile phone is placed close to the radio, a loud noise may be heard from the radio. Keep the phone away from the radio.

Battery gets exhausted very quickly.

- Be sure to turn off the radio when not using it. The estimated battery life is 15 – 20 hours. See "Specifications" for details.

Messages

HOLD

- All buttons are locked because the HOLD/POWER on/off switch has been slid to the HOLD position.

Low Battery (flashes, and the power is turned off)

- The battery is exhausted. Charge the battery.



Specifications

Frequency range
DAB (Band-III): 174.928 MHz – 239.200 MHz
FM: 87.5 MHz – 108 MHz (0.05 MHz step)

DAB (Band-III) frequency table (MHz)

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

Speaker: Approx. 45 mm dia., 4 Q, monaural
Audio power output: 1.5 W
Input: DC IN 5 V (micro USB)
Output: (headphones) jack (ø 3.5 mm, stereo mini jack)
Power requirements: Lithium-ion rechargeable battery (1,300 mAh)
Battery life*
When listening through the speaker:
Approx. 15 hours
When listening through the headphone:
Approx. 20 hours
* The actual battery life may vary depending on usage and circumstances.
Dimensions: Approx. 115 mm × 57 mm × 24.5 mm (W/H/D)
Mass: Approx. 170 g
Supplied accessories: Micro USB cable

Design and specifications are subject to change without notice.

No preset

- No station has been preset.

Service not available

- The selected station or service is currently not broadcasting.

PTY (programme type)

This function indicates services or RDS data in programme type, such as News or Sports, transmitted in the DAB or RDS data.

If the received service or station does not transmit the programme type, "No PTY" appears.

Programme type	Display
No programme type	None
News	News
Current Affairs	Current Affairs
Information	Information
Sport	Sport
Education	Education
Drama	Drama
Culture	Arts
Science	Science
Varied	Talk
Pop Music	Pop Music
Rock Music	Rock Music
Easy Listening Music	Easy Listening
Light Classical	Light Classical
Serious Classical	Classical Music
Other Music	Other Music
Weather	Weather
Finance	Finance
Children's programmes	Children's
Social Affairs	Factual
Religion	Religion
Phone In	Phone In
Travel	Travel
Leisure	Leisure
Jazz Music	Jazz and Blues
Country Music	Country Music
National Music	National Music
Oldies Music	Oldies Music
Folk Music	Folk Music
Documentary	Documentary
Alarm Test	Alarm Test
Alarm	Alarm – Alarm !