SONY **DIGITAL RADIO** DAB/FM

Operating Instructions GB

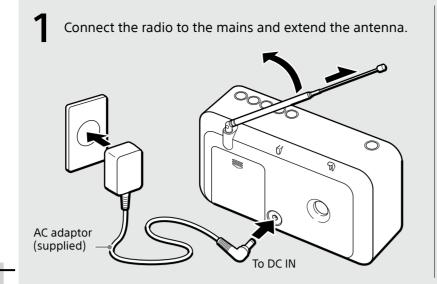
ORDS BAB BAB+

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4-463-181-**12**(1)

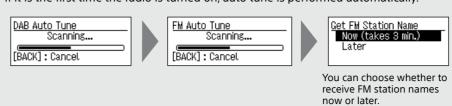
XDR-S60DBP

Getting Started



Turn on the radio. $I \setminus ()$ 0000 Press BACK to cancel the auto tune process while

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



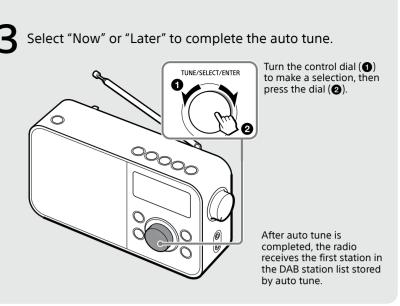
- To perform auto tune again later, see "To make a new station list" below.
- You may choose to receive FM station names later, since the process may take a long time depending on the number of stations. See "Setup Menu Options" for details on how to receive FM station names.

See "Setup Menu Options" for manual tuning.

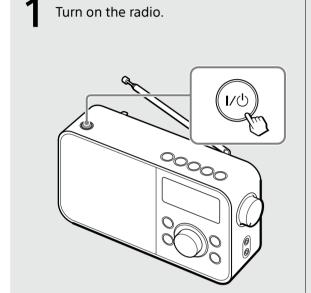
"SC" lights up when 12:34AM a secondary service

is received.

[MENU] → Edit FM Station List → Get FM Station Name



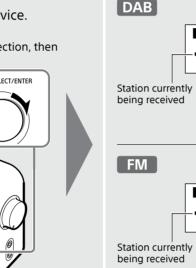
Listening to the Radio

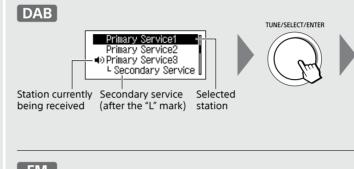


2 Select the band (DAB or FM). DAB/FM/ AUDIO IN Select a desired station or service. Turn the control dial to make a selection, then press the dial. 0000

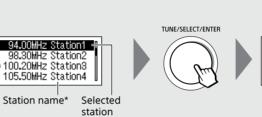
Press BACK to exit

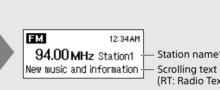
the station list.





in progress.





Primary Service1

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

Primary Service1

up to 128 characters)

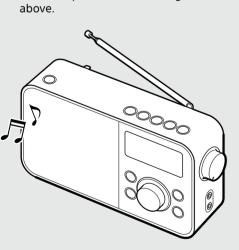
Now ON-AIR entertainment

(DLS: Dynamic Label Segment of

* Displayed only when RDS data has been received.

Presetting stations

Tune to the station you want. Follow steps 1 to 3 in "Listening to the Radio"



Preset favourite stations to the 5 preset buttons. You can preset both a DAB and FM station for each of the 5 buttons.

Press and hold the desired preset button (1 – 5) until "Stored to [PRESET x]." appears on the display.

Example: Presetting a DAB station to the Stored to [PRESET 1]. Repeat steps 1 and 2 to preset another station.

Changing a preset station

1 Tune to a new station. 2 Press and hold the preset button you

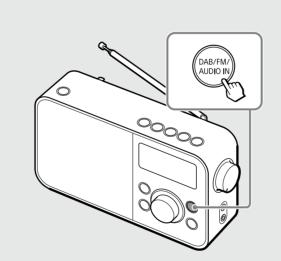
want to change until "Stored to [PRESET x]." appears on the display. The preset station on the selected button will be replaced by the new one.

The preset stations remain in the radio's memory even after an auto tune is performed.

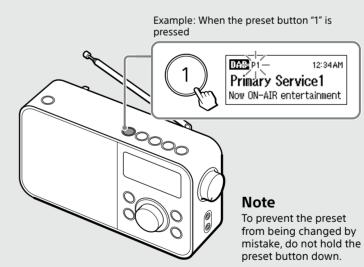
Listening to a preset station

Select the band (DAB or FM).

Station name*



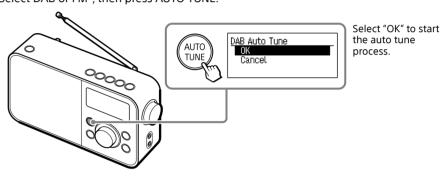
 $\mathbf{7}$ Press the desired preset button (1 – 5).



To make a new station list

If you have moved to another region, or when the radio is reset, perform the auto tune

Select DAB or FM*, then press AUTO TUNE



* Only when the tuning mode is set to "By Station List." When AUTO TUNE is pressed in "Manual Tune" mode, scan tuning will start instead. See "FM Tune Mode" in "Setup Menu Options" for details.



Tips on receiving FM station names

- FM station names will be received and stored in the radio while you are listening to the
- broadcasts, even if you have not received them during the auto tune process. • FM station names may not be transmitted, depending on the station.

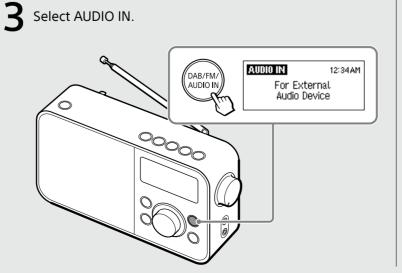
DAB

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

Listening to the Audio from an External Device

Connect the external device to the radio. Portable digital music player, etc. 0000 connection cable (not supplied)

2 Turn on the radio. (I/(b) 0000



Start playing your selection on the connected device.

Notes

- When AUDIO IN is selected, the radio turns off automatically after about 20 minutes if there is no audio signal input.
- When the sound source from the AUDIO IN jack is originally stereo, the left and right stereo channels are mixed and the speaker output will be in monaural.

To adjust the volume

Connect headphones that have a stereo or

monaural* mini plug (not supplied).



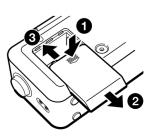
* When listening to stereo sound using monaural headphones, you will hear sound from the left channel

To listen through headphones To use the radio on batteries

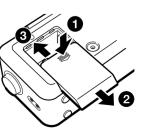
Press down on the battery



Insert the
side of the compartment cover at 1 and battery first. slide it in the direction of the



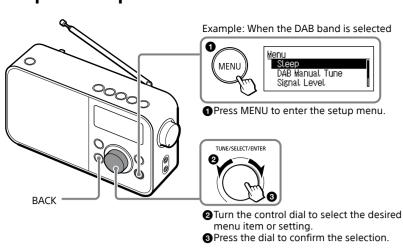
Three LR14 (size C) batteries (not supplied)



To close the cover, slide it in the direction of the arrow 3 until it clicks

"appears on the display when the radio is powered by the batteries.

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./

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

DAB Manual Tune

DAB If DAB reception by auto tune is poor, try

- manual tuning 1 Turn the control dial to select the desired DAB channel, then press the dial. The radio starts scanning for receivable
- **2** Turn the control dial to select the station you want to listen to, then press the dial.

stations in the selected channel.

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

Signal Level

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

FM Tune Mode

Select the tuning mode for FM.

By Station List: You can select a desired station from the list of FM stations stored by auto tune.

Manual Tune: You can manually tune to the desired FM frequency in 0.05 MHz steps. Turn the control dial to select the frequency

Scan tuning in Manual Tune mode

- **1** Press AUTO TUNE (SCAN) to start
- scanning FM stations. To change the scanning direction, turn the control dial clockwise or counterclockwise
- When a station is received, scanning pauses for 3 seconds.
- 2 Press the control dial or AUTO TUNE to stop scanning if the desired frequency is displayed.

Edit FM Station List

You can edit the FM station list.

Get FM Station Name: Perform this when you want to receive RDS information such as station names. Select "OK" to start scanning

Notes

for RDS data.

- Set "FM Tune Mode" to "By Station List" before you perform this operation.
- The currently stored RDS information will be cleared once scanning has started.
- It may take a long time to receive all the available RDS data.

Delete FM Station: You can delete any unwanted stations from the FM station list.

- 1 Turn the control dial to select the station you want to delete, then press the dial.
- 2 Turn the control dial to select "OK", then press the dial.

Add FM Station: When listening to a manually tuned station, you can add the station to the FM station list. Select "OK" to add the station to the list.

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 subcarrier 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 programm type of the received programme.
RT (radio text)	Displays the free-form textual information.

- 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.

WARNING

DAB FM

Information

16 characters long)

in "Specifications.")

Bit Rate: Bit rate

are listening to.

Time

Note

Beep

you operate the radio.

performed for 30 seconds.

Initialize

FM

Displays information for the station you are

listening to. Turn the control dial to scroll

Channel: Channel and frequency (See the

DAB frequency table in "Specifications.")

Multiplex Name: Ensemble label (up to

PTY: PTY label (See "PTY (programme type)"

Displays PTY label (see "PTY (programme

type)" in "Specifications") for the station you

If there is no ensemble label or no station name,

Set Time: "Auto (DAB)" is set by default. This

data being received. Select "Manual" to set

When the clock is set manually, the clock will be

Select "On" to activate the beep sound when

On: The backlight will be on all the time when

the radio is powered by the AC adaptor. When

Auto: The backlight will turn off automatically

Select "OK" to initialize the radio to the factory

default settings. All settings, DAB and FM

station lists and presets will be deleted.

if no operation is performed for 30 seconds.

you use the radio on batteries, the backlight

will turn off automatically if no operation is

reset if the AC adaptor is unplugged and the

batteries are removed for more than 1 minute.

the clock manually using the control dial.

12H/24H: Select the clock display mode,

12-hour clock or 24-hour clock.

enables the clock to synchronize with the DAB

the space for label or name will be blank.

through the following information:

Service Name: Station name

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

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet. 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 of AC adaptor is used to disconnect the AC adaptor from the mains, connect it to an easily accessible AC outlet. Should you notice an abnormality in it. disconnect it 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

The nameplate and important information concerning safety are located on the bottom exterior of the main unit and on the surface of the AC adaptor

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

Batteries or batteries installed apparatus shall not be exposed to excessive heat such as sunshine, fire or the like.

In case of battery leakage

If the battery fluid has leaked, do not touch the fluid with your bare hands Battery fluid may remain inside the unit. Consult

vour nearest Sony dealer If battery liquid gets into your eyes, do not rub your eyes, as blindness may occur. Quickly wash your eyes with plenty of clean water and immediately seek medical attention

If battery liquid gets on your body or clothing, burns or injury may occur. Quickly wash off with clean water, and seek medical attention if skin inflammation or injuries occur.

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.



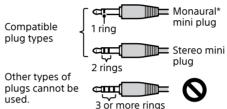
The validity of the CE marking is restricted to only those countries where it is legally enforced, mainly in the countries EEA (European Economic

Precautions

- Operate the unit only on the power sources specified in "Specifications." For battery operation, use three LR14 (size C) alkaline batteries. For AC operation, use only the supplied AC adaptor. Do not use any other type of AC adaptor.
- Failure to use the supplied AC adaptor may cause the unit to malfunction, as the polarity of the plugs of other manufacturers may be



- When operating the unit on batteries, it is recommended that you remove the AC adaptor from the wall outlet and the DC IN 5V jack. Disconnect the plug of the external power source before operating the unit.
- 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.)
- When connecting headphones or an external device to the unit, use headphones or an audio connection cable with a stereo (3-pole) or monaural (2-pole) mini plug. Sound may not be heard when using other types of plugs.

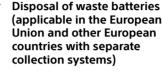


- When listening to stereo sound using monaural headphones, you will hear sound from the left
- Avoid exposure to temperature extremes, direct sunlight, moisture, sand, dust or mechanical shock. Never leave in a car parked in the sun • Should any solid object or liquid fall into the
- unit, disconnect the AC adaptor and remove the batteries, and have the unit checked by a qualified personnel before operating it any · 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
- 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.

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



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

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

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

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



- Replace all the batteries with new ones if they are exhausted.
- 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.

Batteries get exhausted very quickly.

• Be sure to turn off the radio when not using it. The estimated battery life is 20 – 23 hours. See "Specifications" for details.

A desired station cannot be received when a preset button is pressed.

- Make sure you have selected the desired band (DAB or FM) before you press the preset button. One station for each band can be set to each button.
- You may have held down the preset button to which the station was preset, causing the station to be replaced by a new one. Preset the desired station again.
- Preset buttons cannot be used when the setup menu is displayed

The preset stations may be initialized if a maintenance service is performed Please note your settings in case you need to preset them again

Messages

Low Battery (flashes, and the power is No station list turned off) · No stations are stored in the FM station list.

• The batteries are exhausted. Replace all the

Station full • The list of DAB stations stored in the radio is

broadcasting.

Station off air The selected station or service is currently not

Specifications

batteries with new ones.

• No station in the selected band (DAB or FM)

• There is no supported DAB broadcast in your

• You have lost the reception of the selected

has been preset to the pressed button.

No preset

No signal

DAB broadcast

DAB (Band-III): 174.928 MHz - 239.200 MHz FM: 87.5 MHz — 108 MHz (0.05 MHz step)

Intermediate frequency DAB (Band-III): 2.048 MHz

FM: 1.943 MHz

DAB (Band-III) frequency table (MHz)

Frequency		Channel	Frequency
174.928		10N	210.096
176.640		10B	211.648
178.352		10C	213.360
180.064		10D	215.072
181.936		11A	216.928
183.648		11N	217.088
185.360		11B	218.640
187.072		11C	220.352
188.928		11D	222.064
190.640		12A	223.936
192.352		12N	224.096
194.064		12B	225.648
195.936		12C	227.360
197.648		12D	229.072
199.360		13A	230.784
201.072		13B	232.496
202.928		13C	234.208
204.640		13D	235.776
206.352		13E	237.488
208.064		13F	239.200
209.936] [
	174.928 176.640 178.352 180.064 181.936 183.648 185.360 187.072 188.928 190.640 192.352 194.064 195.936 197.648 199.360 201.072 202.928 204.640 206.352 208.064	174.928 176.640 178.352 180.064 181.936 183.648 185.360 187.072 188.928 190.640 192.352 194.064 195.936 197.648 199.360 201.072 202.928 204.640 206.352 208.064	174.928 176.640 178.352 180.064 181.936 183.648 185.360 11B 187.072 11C 188.928 190.640 192.352 194.064 195.936 197.648 199.360 201.072 202.928 204.640 206.352 208.064 10D 11A 11N 11B 11D 12A 12D 12A 12B 12C 13B 13C 13B 13C 13B

Speaker: Approx. 10.2 cm dia., 4 Ω , monaural Audio power output: 1 W **Output:** ∩ (headphones) jack (ø 3.5 mm, stereo

mini iack) Input: AUDIO IN jack (ø 3.5 mm, stereo mini jack) Power requirements: 4.5 V DC, three LR14 (size C alkaline batteries (Rechargeable batteries are

not supported.) External power source: DC IN 5 V

Battery life (JEITA)*1, * Approx. 16 hours (DAB reception) Approx. 14 hours (FM reception)

Approx. 24 hours (AUDIO IN input) *1 Measured by JEITA (Japan Electronics and Information Technology Industries Association) standards. The actual battery life may vary

depending on usage and circumstances *2 When listening through the speaker on Sony (LR14SG) alkaline batteries

Dimensions: Approx. 240 mm × 135 mm × 85 mm (W/H/D) excl. projecting parts and controls Mass: Approx. 1.3 kg incl. batteries Supplied accessories: AC adaptor (5 V, 2 A)

Design and specifications are subject to change

Alarm Test

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 - Alarm !