SONY

DAB/FM
DigitalRadio

Operating Instructions_____GB

XDR-S7

DAB
Digital Audio Broadcasting

RDS

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A

Finger grip ③

AC power adaptor (supplied) ②

DC IN 9 V

LR14(size C) × 6 ①

Insert the ⊖ side of the battery first.

B

Aerial
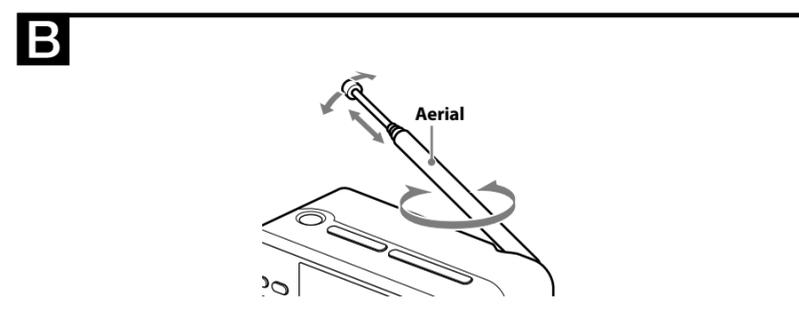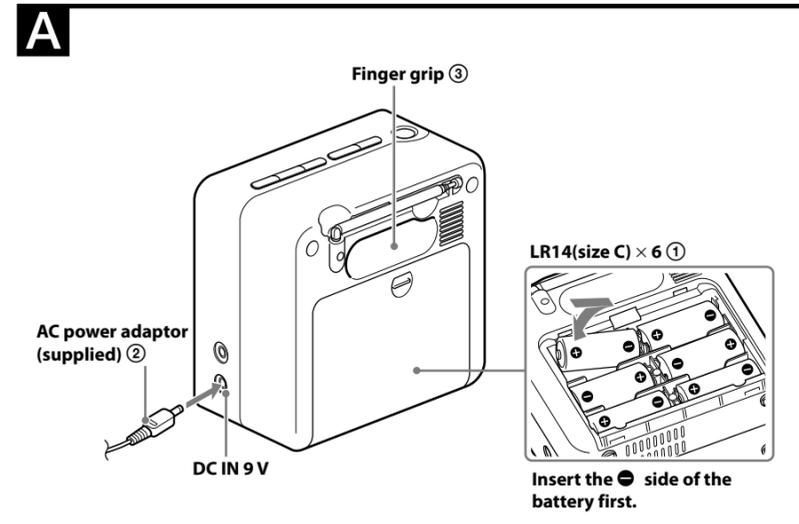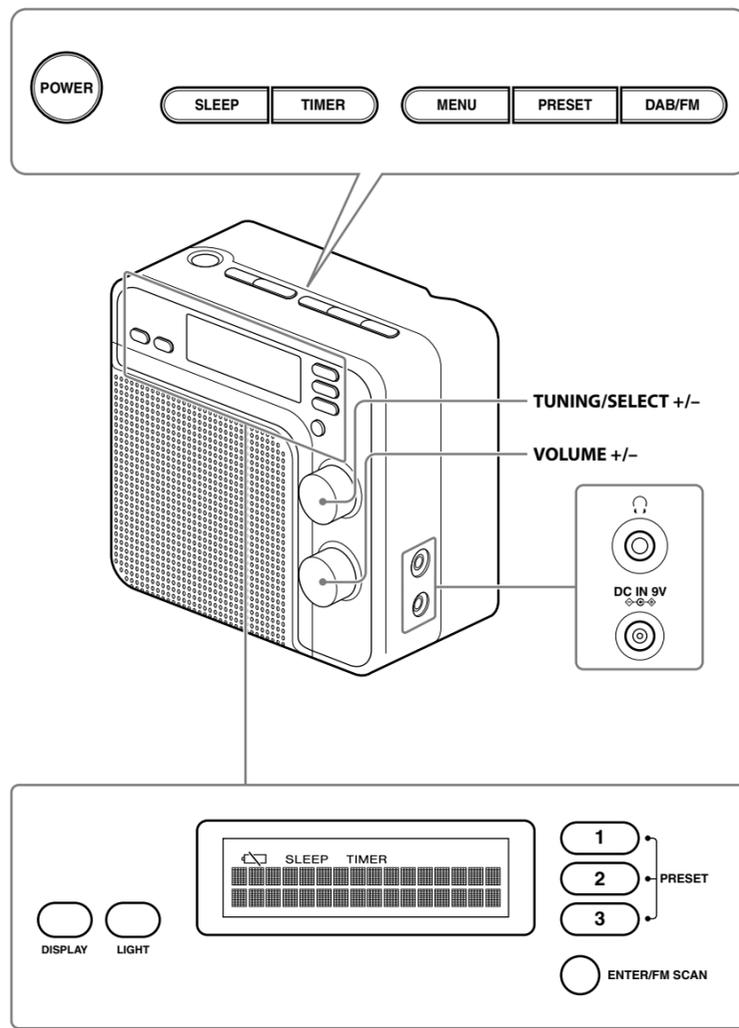
WARNING

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

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

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

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

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

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

The manufacturer of this product is Sony Corporation, 1-7-1 Konan, Minato-ku, Tokyo, Japan. The Authorized Representative for EMC and product safety is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters please refer to the addresses given in separate service or guarantee documents.

WARNING
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Battery may explode if mistreated. Do not recharge, disassemble or dispose of in fire.
- Do not expose the batteries (battery pack or batteries installed) to excessive heat such as sunshine, fire or the like for a long time.
- Dispose of used battery promptly. Keep away from children.

Features

- DAB(Band-III) Digital Radio.
- Easy view, 2-line character dot LCD display.
- Simple operation for station selection.
- Three Direct preset station buttons.
- Sleep timer and clock display.
- Cooking timer.
- Stereo headphone jack.
- Battery (LR14 × 6) or mains operated.

Choosing power sources
Installing batteries (See fig. **A**-①)

1 Open the battery compartment at the rear of the unit.
2 Install six LR14 (size C) alkaline batteries (not supplied), observing polarity, and then close the lid.

Battery Life (Approx. hours)   (JEITA*)

When using	DAB	FM
Sony alkaline LR14 (size C)	25	21

* Measured by JEITA (Japan Electronics and Information Technology Industries Association) standards. The actual battery life may vary depending on the circumstance of use.

Knowing when to replace the batteries

When the batteries become weak, the sound becomes weak and distorted.
When the batteries are completely exhausted, "▭" appears in the display and the power is turned off.
When "▭" appears, replace all batteries with new ones.

Note on replacing the batteries
If the batteries are replaced while the power is on, the unit may revert to the factory setting.

Notes on batteries
- Do not attempt to recharge dry batteries.
- Do not carry batteries with coins or other metallic objects. It can generate heat if the positive and negative terminals of the batteries are accidentally contacted by a metallic object.
- If you are not going to use the unit for a long time, remove the batteries to avoid damage from battery leakage and corrosion.
- Do not use different types of batteries at the same time.
- When you replace the batteries, replace all with new ones.

Using house current
(See fig. **A**-②)

Connect the AC power adaptor (supplied) to the DC IN 9 V jack firmly, and plug it into a wall outlet.

Notes on the AC power adaptor
- When operating the unit with the internal batteries, remove the AC power adaptor from the wall outlet and the DC IN 9 V jack. Make sure that the plug of the external power source is disconnected before operating the unit.
- Use the supplied Sony AC power adaptor only. The polarity of the plugs of other manufacturers may be different. Failure to use the supplied AC power adaptor may cause the unit to malfunction.

Improving the reception
(See fig. **B**)

DAB Band-III/FM:
Extend the telescopic aerial and adjust the length and the angle for best reception.

Note
Adjust the direction of the aerial by holding the bottom of it. The aerial can be damaged if you move the aerial with excessive force.

Initial setting for the unit

When the AC power adaptor is plugged in for the first time after purchase (or after resetting) the unit will automatically set the clock.

1 Plug in the unit.
"Setting clock..." appears in the display, and DAB data adjusts the clock as it is received. When finished, the current time appears in the display.

```
Setting clock...
```
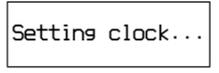
2 Press **POWER** to turn on the radio.
The unit will automatically scan and create a list of receivable DAB broadcasts.

```
Sony DAB Radio
▮▮▮▮▮▮▮▮▮▮▮▮
```

Notes
- When you use only the batteries, carry out from step **2**.
- If no services are found by the DAB scan, "No Stations available" appears in the display.

Set the clock

Do the following if DAB broadcasts are not available (depending on area). The time setting mode by DAB becomes invalid.

1 Press **MENU** and turn **TUNING/SELECT** to select "Set clock," and then press **ENTER**.
The hour indication will be displayed as follows.

```
← → or ENTER
Time     ←08→:56
```

2 Turn **TUNING/SELECT** to set the hour, and then press **ENTER**.
3 Repeat step **2** to set the minute, year, month and day.
After setting the time, the clock starts from 0 seconds.
When changing to FM mode, press **DAB/FM**, and then perform the above 3 steps.

Notes
- If you do not operate within 65 seconds while setting the clock, the clock setting mode will be cancelled.
- The time will be adjusted automatically when the unit receives a DAB service.
- The clock system of this unit is 24-hour system ("0:00" = midnight).

Time adjustment-Summer time

Time adjustment is performed only when receiving DAB service.
DAB service reception for at least one minute is required to reset the time to Summer time.

Operating the radio

The unit can receive DAB services and FM stations.

1 Press **POWER** to turn on the radio.
When the unit is turned on again, the last band you listened to is received.
2 Press **DAB/FM** repeatedly to select the desired band.
Each press changes the band as follows:

```
→ DAB → FM ⌐
```

3 Turn **TUNING/SELECT** to tune to the desired service or station.
If you are selecting DAB, press **ENTER**.
4 Adjust the volume using **VOLUME**.

Note in FM usage
The frequency can be set in 0.05 MHz steps for FM.

Notes in DAB usage
- If there are no services, you can choose only MANUAL mode. (See "Other useful functions for DAB".)
- When the ensemble for the selected service cannot be received, "No Stations available" appears in the display.

About SC
(Secondary Component)

If the selected primary component has a secondary component, "<<" appears in the display.

```
SVC2
←  «SEC        →
```

Turn **TUNING/SELECT** and press **ENTER** to receive the desired secondary component. "<<" appears while the secondary component is received.

Note
When the selected secondary component is finished, the unit returns automatically to the primary component.

About the RDS
(Radio Data System)

When the unit receives an FM station transmitting RDS data, "RDS" appears in the display.

```
SVC              RDS
06:54 19-03-2008
```
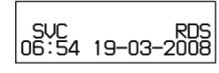
Each time you press **DISPLAY**, the display changes as follows: current time and date, frequency, text information.

To listen with headphones

You can enjoy the radio and external equipment connected to the line in by headphones (not supplied). Connect headphones (not supplied) to the ⌂ (headphones) jack. The speaker is deactivated when headphones are connected.

Presetting your favourite services or stations

There are two ways to preset services and stations: Direct Preset and Preset Mode.
You can preset 10 services in DAB and 10 stations in FM, including 3 services and stations stored on the Direct Preset buttons (**PRESET 1 – 3**).
You can enjoy any three preset services and stations as Direct Presets for immediate recall by pressing one of the **PRESET 1 – 3** buttons. Preset services and stations you use often to Direct Preset for your convenience.

Presetting services or stations

To preset by Direct Preset

1 Follow steps 1 to 3 in "Operating the radio" and manually tune in to the service or station you wish to preset.
2 Hold down one of the **PRESET 1 – 3** buttons for more than 2 seconds.
"Preset", a preset number and "saved" appear for 4 seconds in the display, and the service or station is stored.

To preset by Preset Mode

1 Follow steps **1** to **3** in "Operating the radio" and manually tune in to the service or station you wish to preset.
2 Press **PRESET**.
3 Turn **TUNING/SELECT** to select the favourite number to preset, then hold down **PRESET**.
"Preset", a preset number and "saved" appear for 4 seconds in the display and the service or station is stored. (DAB services are stored with a service label.)

Notes
● To preset another service or station, repeat these steps.
● To change the preset service or station, tune in to the desired service or station and repeat steps **2** and **3**. The new service or station will replace the previous service or station.
● If a service or station is not registered, "Empty preset" appears in the display
● If you do not operate within 4 seconds during the above steps, otherwise the current mode will be cancelled.

Tuning in to a preset service or station

Direct Preset
Hold down one of the **PRESET 1 – 3** buttons on which the desired service or station is stored.

Preset Mode
1 Press **PRESET**.
2 Turn **TUNING/SELECT** to select the desired preset station and then press **ENTER**.

Notes
● If a service or station is not registered, "Empty preset" appears in the display.
● If you do not operate within 4 seconds during the above steps, the current mode will be cancelled.

Scan tuning (for FM)

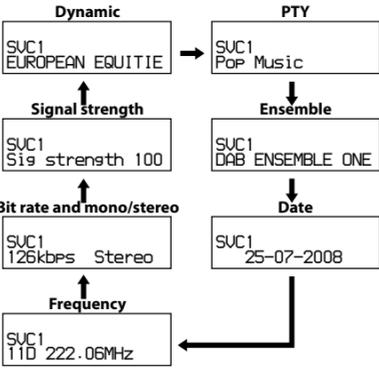The unit will automatically scan FM stations.

1 Press **POWER** to turn on the radio.
2 Press **DAB/FM** to select the FM band.
3 Turn **TUNING/SELECT** to choose the direction, and then press **FM SCAN**.
Turn right : Scans to the higher frequency.
Turn left : Scans to the lower frequency.
Scanning starts from the frequency being tuned in. When a station is received, scanning stops.
4 If necessary, turn **TUNING/SELECT** to tune in to the station more precisely.
5 Adjust the volume using **VOLUME**.

Other useful functions for DAB

Changing the display

To change the display mode, press **DISPLAY** during DAB reception.
The selected display mode remains even if you turn the unit off and on again, or change the band.
The display can be up to 16 characters. Each time you press **DISPLAY**, the bottom of the display changes as follows:

Dynamic

```
SVC1
EUROPEAN EQUITIE
```

→ **PTY**

```
SVC1
Pop Music
```

Signal strength

```
SVC1
Sig strength 100
```

Ensemble

```
SVC1
DAB ENSEMBLE ONE
```

Bit rate and mono/stereo

```
SVC1
126kbps  Stereo
```

Date

```
SVC1
25-07-2008
```

Frequency

```
SVC1
11D 222.06MHz
```

Station order

This function enables you to choose how the stations are arranged when selecting a station.
There are 4 modes available: Alphanumeric, Favourite stations, Active stations and Trim stations.

● Alphanumeric(default):
  To select a stored service in alphabetical order.
● Fav station:
  After a period of time the most listened to stations will move to the top of the station list and will be marked with the heart symbol.
  Your ten favourite stations will be displayed.
● Active station:
  The display will show only those that a signal can be found for.
● Trim Stations:
  The unit will delete stations that are not currently being received.

1 Follow steps **1** and **2** in "Operating the radio" and select DAB.
2 Turn **TUNING/SELECT** to select "Station order," and then press **ENTER**.
3 Turn **TUNING/SELECT** to select the desired mode, and then press **ENTER**.

Note
If you do not operate within 4 seconds during the above steps, the current mode will be cancelled.

Manual tune

This function allows you to tune and add the various DAB Band-III channels to your station list.
UK DAB stations located in the range 11B to 12D. This function can be used to assist the positioning of the antenna or the unit to obtain the optimum reception for a specific channel / frequency.

1 Follow steps **1** and **2** in "Operating the radio" and select DAB.
2 Turn **TUNING/SELECT** to select "Manual tune," and then press **ENTER**.
3 Turn **TUNING/SELECT** to select the desired DAB channel, and then press **ENTER**.
The signal strength bars will go up and down, showing the changing signal strength as you adjust the reception.
4 Press **ENTER**.
A new DAB channel is added to the station list.

DRC value (DYNAMIC RANGE CONTROL)

DRC can make quieter sounds easier to hear when the unit is used in a noisy environment.
When DAB broadcasts in dynamic range compression, you can adjust the dynamic range by this unit.

1 Follow steps **1** and **2** in "Operating the radio" and select DAB.
2 Turn **TUNING/SELECT** to select "DRC value" and then press **ENTER**.
3 Turn **TUNING/SELECT** to select the DRC level.
The DRC level changes as follows:

$$0(\text{default}) \longleftrightarrow {}^{1}/_{2} \longleftrightarrow 1$$
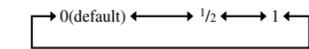
4 Press **ENTER**.

Notes
● DRC is effective only in dynamic range compressed broadcasts.
● With the adjusted DRC level, sound can be heard more consistently.

Autoscan UK / Autoscan full

These functions allow you to automatically scan and create a list of receivable DAB broadcasts.
If you use this unit in the UK, "Autoscan UK" is recommended.

1 Follow steps **1** and **2** in "Operating the radio" and select DAB.
2 Press **MENU** and turn **TUNING/SELECT** to select "Autoscan UK" or "Autoscan full," and then press **ENTER**.
"Scanning" appears in the display, scanning is performed, and a list of receivable DAB broadcasts is created.

Autoscan takes about 30 - 90 seconds. When finished, the unit receives stored services in alphabetical order (see "Station order").

PTY (Programme type)

This function indicates services by programme type, such as NEWS, SPORTS, etc., in the PTY list, transmitted as DAB.

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

Programme type	Display
Undefined	None
News	News
Current Affairs	Current Affairs
Information	Information
Sport	Sport
Education	Education
Drama	Drama
Culture	Cultures
Science	Science
Varied	Varied Speech
Pop Music	Pop Music
Rock Music	Rock Music
Easy Listening Music	Easy Listening
Light Classical	Light Classics M
Serious Classical	Serious Classics
Other Music	Other Music
Weather	Weather & Metr
Finance	Finance
Children's programmes	Children's Progs
Social Affairs	Social Affairs
Religion	Religion
Phone In	Phone In
Travel	Travel & Touring
Leisure	Leisure & Hobby
Jazz Music	Jazz Music
Country Music	Country Music
National Music	National Music
Oldies Music	Oldies Music
Folk Music	Folk Music
Documentary	Documentary

Setting the sleep timer

You can enjoy falling asleep to the radio using the built-in sleep timer that turns off the radio automatically after a preset duration.

1 Press **SLEEP** while the unit is turned on.
"Sleep" appears in the display.

```
Sleep
←60 minutes →
```

2 Press **SLEEP** to set the sleep timer duration.
Each time you press **SLEEP**, the duration changes as follows:

$$60 \rightarrow 45 \rightarrow 30 \rightarrow 15 \rightarrow \text{Off}$$

The unit automatically turns off when the duration time is passed.
Press **ENTER**, or 4 seconds after you have finished the duration setting and released **SLEEP**, "SLEEP" will appear in the display and then the sleep timer starts. The unit will play for the duration you set, and then shut off.

To change the sleep timer setting
Repeat step **2** to select the desired sleep timer setting even after the sleep timer has been activated.

To deactivate the sleep timer
● Press **POWER**. The unit will turn off.
● Press **SLEEP** to set the sleep timer "Off", only the sleep timer will be cancelled (the radio stays ON).

Note
The sleep timer and the cooking timer cannot be set at the same time.

Operating the cooking timer (countdown timer)

The timer can be set at one minute intervals between 1–120.

1 Press **POWER** to turn on the radio.
2 Hold down **TIMER** for more than 2 seconds.
"000minutes" appears and "TIMER" indicator flashes in the display.
3 Turn **TUNING/SELECT** until the desired time appears in the display.
Press **ENTER**, or 4 seconds after you release **TUNING/SELECT**, "TIMER" will appear in the display and countdown starts.

To display the current preset time, press **TIMER**.
The time is displayed for 4 seconds, and then the display returns to radio mode.

Cooking timer ON
When the time has elapsed, radio enters into mute; the buzzer sounds and the "TIMER" indicator flashes.

Cooking timer OFF
The buzzer is turned off automatically after 60 minutes, or if **POWER** is pressed. In this case, when the AC adaptor is used, the display shows current time and station band; when batteries are used, the unit shuts off.

To stop the cooking timer
Press **POWER** to turn off the buzzer.

To deactivate the cooking timer
Hold down **TIMER** for more than 2 seconds. The "TIMER" indicator goes off and the current time appears in the display.

Notes
● If a power interruption occurs while the cooking timer is operating, the remaining time becomes invalid.
● The cooking timer and the sleep timer cannot be set at the same time.

Other useful functions

To use the backlight
Press **LIGHT**.
The backlight lights and remains for 5 seconds and automatically turns off if no operation is performed for 5 seconds.

To display the software version
When using DAB mode, turn **TUNING/SELECT** to select "Sw version." When using FM mode, press **MENU**.
The current software version of the unit appears in the display.

To reset the unit
If the radio fails to function properly, do the following:
1 Press and hold **MENU** and **ENTER** at the same time for a few seconds.
"Press ENTER to confirm reset" appears in the display.
2 Press **ENTER**.
The clock settings, the services and stations you have preset, etc., will revert to the factory preset.

Precautions

● Operate the unit only on the power sources specified in "Specifications." For battery operation, use six LR6 (size AA) alkaline batteries. For AC operation, use only the supplied AC power adaptor. Do not use any other type of AC power adaptor.
● The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
● Use the unit within a temperature range of 0°C to 40°C (32°F to 104°F). If it is used in temperatures higher than this range, numbers may appear in the display which have nothing to do with the frequency being received. If it is used in temperatures lower than this range, the numbers displayed 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.)
● Do not carry the unit by its aerial or battery compartment, as it may be dropped. Carry by the finger grip (see fig. **A** - ③ on the front page) on the back of the unit.
● 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 power adaptor and remove the batteries, and have the unit checked by a qualified personnel before operating it any further.
● In vehicles or buildings, radio reception may be difficult or noisy. Try listening near a window.
● Since a strong magnet is used for the speakers, keep away personal credit cards using magnetic coding or spring-wound watches from the unit to prevent possible damage from the magnet.
● To clean the casing, use a soft cloth dampened with a mild detergent solution.
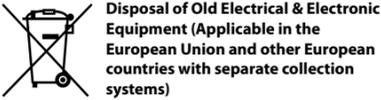
Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

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.

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

This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste. By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources.

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

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

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

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 unit 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.

A station or service cannot be received when a PRESET recalls.
● The station or service has not been preset.
● Another station or service is preset. Preset the station or service again.

The preset services and stations may be initialized, if a maintenance service is performed.
Please note down of your settings in case you want to preset them again.

Specifications

Time display
24-hour system

Frequency range

Band	Frequency	Channel step
DAB (Band-III)	174.928 - 239.200 MHz	
FM	87.5 - 108 MHz	0.05 MHz

DAB (Band-III) frequency table (MHz)

No.	Channel	Frequency	No.	Channel	Frequency
1	5A	174.928	20	9D	208.064
2	5B	176.640	21	10A	209.936
3	5C	178.352	22	10B	211.648
4	5D	180.064	23	10C	213.360
5	6A	181.936	24	10D	215.072
6	6B	183.648	25	11A	216.928
7	6C	185.360	26	11B	218.640
8	6D	187.072	27	11C	220.352
9	7A	188.928	28	11D	222.064
10	7B	190.640	29	12A	223.936
11	7C	192.352	30	12B	225.648
12	7D	194.064	31	12C	227.360
13	8A	195.936	32	12D	229.072
14	8B	197.648	33	13A	230.784
15	8C	199.360	34	13B	232.496
16	8D	201.072	35	13C	234.208
17	9A	202.928	36	13D	235.776
18	9B	204.640	37	13E	237.488
19	9C	206.352	38	13F	239.200

Speaker:
Approx. 7.7 cm (3 ⅛ in) dia. 4 Ω

Power output:
1 W (at 10 % harmonic distortion)

Output:
⌒ (headphones) jack (ø 3.5mm stereo mini jack)

Power requirements:
9 V DC, six LR14 (size C) alkaline batteries

External power source:
DC IN 9 V

Dimensions:
Approx. 160.6 × 158.3 × 102.5 mm (w/h/d)
(Approx. 6 ⅜ × 6 ¼ × 4 ⅛ in) incl. projecting parts and controls

Mass:
Approx. 1.1 kg (2 lb 7 oz) incl. batteries

Supplied accessories:
AC power adaptor (1)

Design and specifications are subject to change without notice.