

DAB/FM DIGITAL RADIO

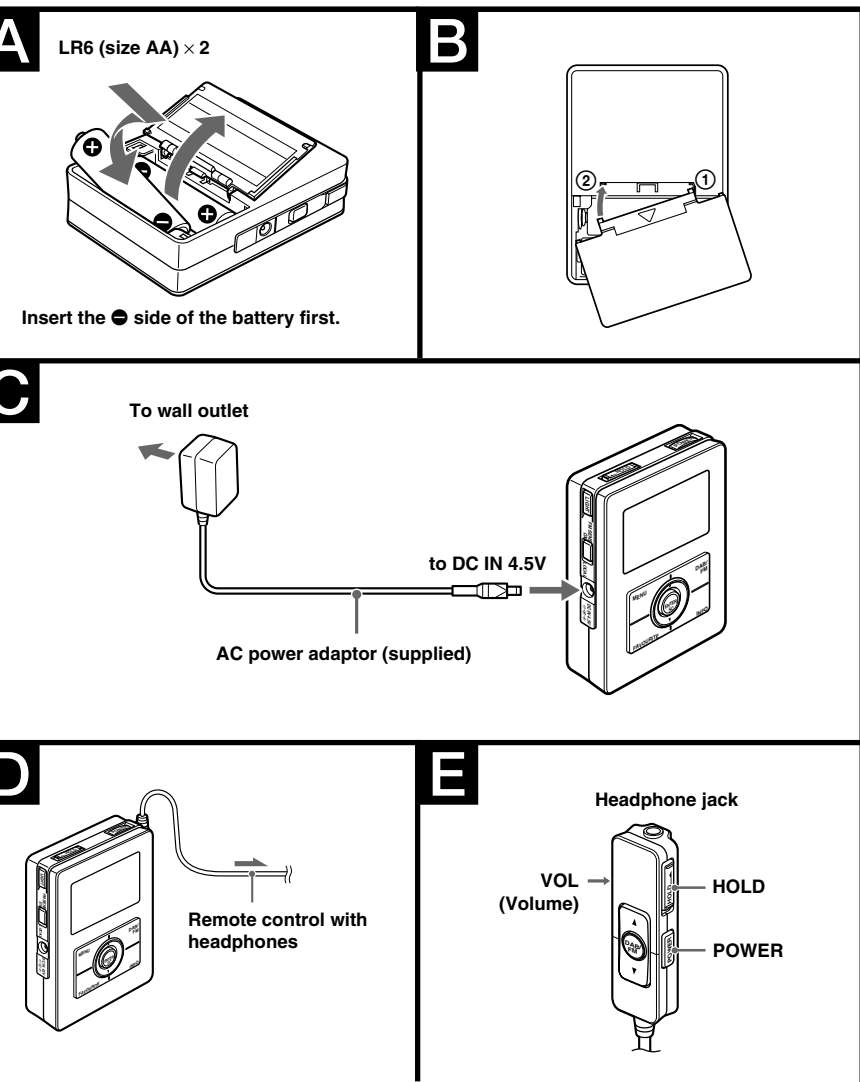
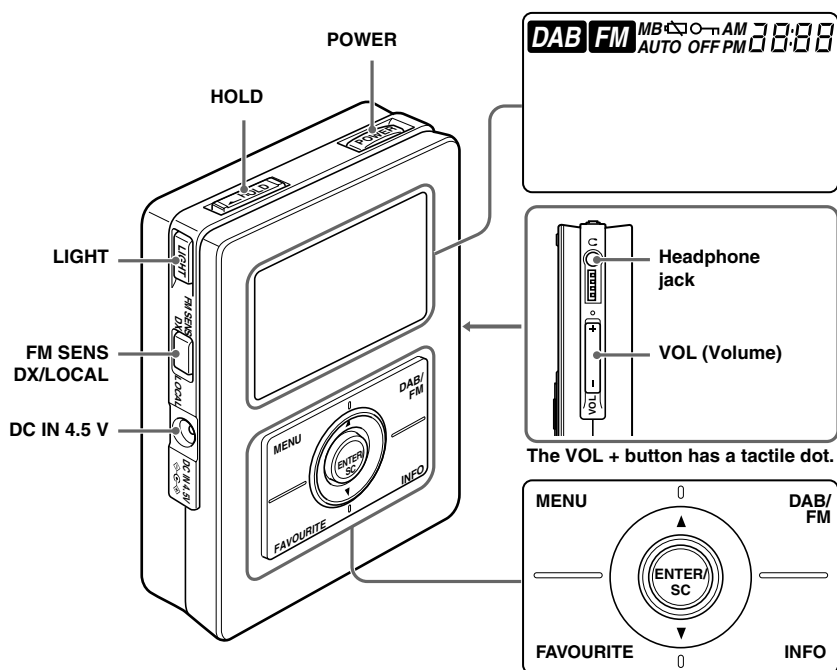
Operating Instructions



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WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

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

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

To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.

Features

- DAB (Band III)/ FM bands digital radio.
- Full dot large LCD screen allows easy access, easy navigation.
- Favourite Folder (40 presets).
- Stereo headphones with remote control supplied.

Choosing Power Source

Installing Batteries (See fig. A)

- 1 Open the battery compartment at the rear of the unit.
- 2 Install two LR6 (size AA) alkaline batteries (not supplied), observing polarity, and then close the lid.

Battery Life (Approx. hours)	(JEITA*)	
When using	DAB	FM
Sony alkaline LR6 (size AA)	9	40

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

Knowing when to replace the batteries

When the batteries become weak, the sound becomes weak and distorted. When the batteries are completely exhausted, "CC" appears on the display and the power is turned off. When "CC" appears, replace both batteries with new ones. After the batteries are replaced, press **POWER** to turn the indication off.

Notes on replacing the batteries

- Do not take more than about 10 minutes to replace the batteries, otherwise the clock, any lists of receivable broadcasts for DAB scan, preset favourite stations and all settings will be initialized. Should that happen, set the functions again.
- 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.

If the battery compartment lid comes off (See fig. B)

The battery compartment lid is designed to come off when opened with excessive force. To put it back on, see the illustration.

- 1 Insert the right hinge of the lid into the right hole of the unit.
- 2 Insert the left hinge in the left hole of the unit.

Using House Current (See fig. C)

Connect the Sony AC power adaptor (supplied) to the DC IN 4.5 V jack firmly, and plug it into a wall outlet.

Notes on the AC power adaptor

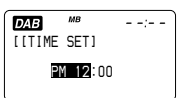
- When operating the unit with the internal batteries, remove the AC power adaptor from the wall outlet and the DC IN 4.5 V jack. Make sure that the plug of the external power source is disconnected before operating the unit.
- Use the supplied Sony AC power adaptor only. The polarity of the plugs of other manufacturers may be different. Failure to use the supplied AC power adaptor may cause the unit to malfunction.



Setting the clock

"--:--" appears in the display when the batteries are installed or the AC power adaptor is plugged, and then **POWER** (or **MENU**) is pressed in for the first time after purchase or after resetting.

- 1 Press **MENU** to show the menu display.
- 2 Press **▲** (up) or **▼** (down) to select "TIME SET" and press **ENTER/SC**. The hour indication is highlighted.



- 3 Press **▲** (up) or **▼** (down) to set the hour, and then press **ENTER/SC**. The minute indication is highlighted.
- 4 Press **▲** (up) or **▼** (down) to set the minute, then press **ENTER/SC**. The clock starts operating, and "--:--" starts blinking.

- To set the current time rapidly, hold down **▲** (up) or **▼** (down).

- To set the current time exactly to the seconds, adjust the minute function in step 4 and then press **ENTER/SC** to synchronize it with a time signal (such as the telephone time signal).
- The clock system varies depending on the model purchased. For example, in the 24-hour system, "0:00" is indicated as midnight, and "12:00" is indicated as noon.

Notes

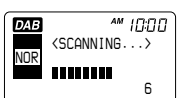
- If you do not operate within 65 seconds while setting the clock, the clock setting mode will be cancelled.
- To cancel the clock setting mode halfway, press **MENU**.

Initial setting for the DAB

When the DAB band is selected for the first time, the unit will automatically scan and create a list of receivable broadcasts. If you wish to scan for the DAB broadcasts again, or when the unit reset, do the following:

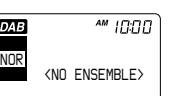
- 1 Extend the headphone cord with the remote control as long as possible.
- 2 Press **POWER** to turn on the radio.
- 3 Press **DAB/FM** to select the DAB band.
- 4 Press **MENU**.
- 5 Press **▲** (up) or **▼** (down) to select "SCAN" and press **ENTER/SC**.

No sound will be heard, and "<SCANNING...>" appears in the display. DAB scan takes about 30 ~ 90 seconds. When finished, the unit receives the first service of the lowest ensemble stored by the DAB scan.



Notes

- If you do not operate within 65 seconds, the menu mode will be cancelled.
- If no broadcasts are found by the DAB scan, "< NO ENSEMBLE >" appears in the display.



- To cancel the DAB scan halfway, press **MENU**. Any services received before you cancel are added to the list of receivable services.
- If the batteries replaced for a while, the receiving history list are deleted. In this case, scan again.

Improving the Reception (See fig. D)

DAB BAND-III/FM: The headphones cord serves as the antenna, so extend it as long as possible.

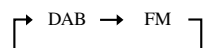
Operating the Radio

The unit can receive DAB services and FM stations, both of which feature FAVOURITE and MANUAL modes - DAB services also features a NORMAL mode.

FAVOURITE: To select your favourite stored services/stations. (See "Presetting your favourite services or stations.")
MANUAL: To adjust the frequency incrementally.
NORMAL: To select any of the stored services.

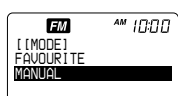
— Manual tuning

- 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:



Manual mode:

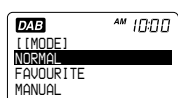
- 1 Press **MENU** to show the menu display.
- 2 Press **▲** (up) or **▼** (down) to select "MODE", then press **ENTER/SC**.
- 3 Press **▲** (up) or **▼** (down) to select "MANUAL", then press **ENTER/SC**.



"MAN" appears in the display.

Normal mode:

- 1 Do steps 1 and 2, as you would for manual mode.
- 2 Press **▲** (up) or **▼** (down) to select "NORMAL", then press **ENTER/SC**.

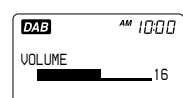


"NOR" appears in the display.

- 3 Press **▲** (up) or **▼** (down) to tune to the desired service or station. Two short beeps sound when the lowest ensemble of DAB or the minimum frequency of FM is received during tuning.
- 4 Adjust the volume using **VOL +/-**.

Tip

You can adjust the volume in 32 steps. The volume increases as the slider is moved towards the right.

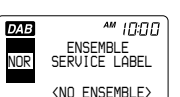


Notes in FM usage

- When you press **▲** (up) or **▼** (down), the frequency changes one step at a time.
- The channel step is set to 0.05 MHz on FM.

Notes in DAB usage

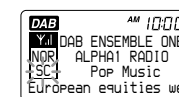
- Before receiving DAB broadcasts, one or more ensembles should be stored in the list by the DAB scan. (See "Initial setting for the DAB".)
- "<WAITING>" appears in the display when the unit is tuned in to an ensemble.
- "<NO SERVICE>" appears when the selected service is not being broadcast.
- "<NO ENSEMBLE>" appears when the ensemble for the selected service cannot be received.



- If a selected service finishes broadcasting, sound stops and "<NO SERVICE>" appears. In this case, press **▲** (up) or **▼** (down) to select another service.

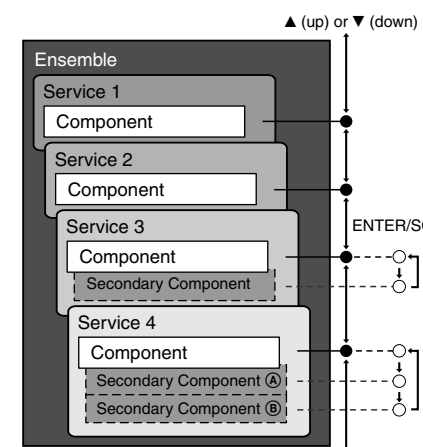
About the SC (Secondary Component)

If the selected primary component has a secondary component, "SC" blinks on the display.



Press **ENTER/SC** to receive the desired secondary component. "SC" appears while the secondary component is received.

Pressing **▲** (up) or **▼** (down) or **ENTER/SC** does the following:



Note

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

Other useful functions

To obtain Powerful Bass Sound

- 1 Press **MENU** while the power is on.
- 2 Press **▲** (up) or **▼** (down) to select "MEGA BASS" and press **ENTER/SC**. "ON" or "OFF" is highlighted. The factory setting is "ON".
- 3 Press **▲** (up) or **▼** (down) to select "ON", then press **ENTER/SC**. "MB" appears in the display.

To cancel the MEGA BASS function, select "OFF" in step 3. "MB" disappears.

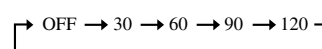
To improve programme reception

Set **FM SENS** to **LOCAL** if interference is prevalent when radio signal strength is too high. Under normal conditions, set to **DX**.

Auto Power Off Function

You can use the Auto Power Off function so that the radio turns off automatically after a set time. The factory setting is "OFF."

- 1 Press **MENU**.
- 2 Press **▲** (up) or **▼** (down) to select "AUTO OFF" and press **ENTER/SC**. The current setting time is highlighted.
- 3 Press **▲** (up) or **▼** (down) to select the desired time, then press **ENTER/SC**. "AUTO OFF" appears in the display. Each time you press **▲** (up) or **▼** (down), the time changes as follows:



To cancel the Auto Power Off function, select "OFF" in step 3. "AUTO OFF" disappears from the display.

HOLD Function

When you slide **HOLD** of the unit in the direction of the arrow, "o-" appears in the display. All buttons on the unit will become inoperative. This function prevents the radio from being unintentionally turned on, or the radio frequency from being accidentally changed.

Using the Remote control (see fig. E)

You can operate to the below using the remote control.

To	Press or slide
Turn the unit on or off	POWER
Change service or stations	▲ (up) or ▼ (down)
Select the band	DAB/FM
Adjust the volume	VOL + or -
Set the HOLD function	HOLD*

* Sliding **HOLD** on the remote control sets the hold function of the remote control only.

To adjust the LCD contrast

You can adjust the display between 15 different contrast levels.

- 1 Press **MENU**.
- 2 Press **▲** (up) or **▼** (down) to select "CONTRAST". Press **ENTER/SC**. "CONTRAST" and "1" appear in the display. To increase contrast, move "1" to the right.
- 3 Press **▲** (up) or **▼** (down) to adjust contrast, and press **ENTER/SC**.

To illuminate the LCD

Press **LIGHT**. The backlight will turn off automatically if no operation is performed for 5 seconds.

Presetting your favourite services or stations

— Favourite mode

You can preset 20 services in DAB and 20 stations in FM.

Presetting services or stations

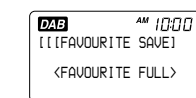
- 1 Follow steps 1 to 3 in "Operating the radio" and manually tune in to the broadcast you wish to preset.
- 2 Press **MENU**.
- 3 Press **▲** (up) or **▼** (down) to select "FAVOURITE" and press **ENTER/SC**. Then press **ENTER/SC**. The service or station is stored. (DAB services are stored with a service label.) The display will change from "MAN" or "NOR" to "FAV".
- 4 Press **▲** (up) or **▼** (down) to select "SAVE", then press **ENTER/SC**. The service or station is stored. (DAB services are stored with a service label.) The display will change from "MAN" or "NOR" to "FAV".

Tip

After step 1, you can skip step 2 and 3, and proceed to step 4 with holding down **ENTER/SC** for more than 2 seconds.

Note

If you select "SAVE" in step 4 with 20 stations and 20 services already stored, <FAVOURITE FULL> will appear in the display; delete any unnecessary ones before saving.



Deleting from the Favourite Folder

- 1 Tune in to the band you wish to delete.
- 2 Press **MENU**.
- 3 Press **▲** (up) or **▼** (down) to select "FAVOURITE" and press **ENTER/SC**.
- 4 Press **▲** (up) or **▼** (down) to select "DELETE", then press **ENTER/SC**. The stored favourite list appears in the display.
- 5 Press **▲** (up) or **▼** (down) to select the desired service or station, then press **ENTER/SC**. When the favourite is deleted, the preceding favourite is received.

Note

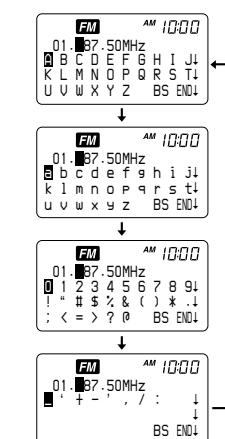
When a secondary service is stored in the Favourite folder, it is displayed with "*" on the leftmost digit on the favourite list.

Editing an FM station name

- 1 Tune in to the FM band.
- 2 Press **MENU**.
- 3 Press **▲** (up) or **▼** (down) to select "FAVOURITE" and press **ENTER/SC**.
- 4 Press **▲** (up) or **▼** (down) to select "EDIT", then press **ENTER/SC**. The stored favourite list appears in the display.
- 5 Press **▲** (up) or **▼** (down) to select the station you wish to edit, and then press **ENTER/SC**. The character window appears.
- 6 Press **▲** (up) or **▼** (down) to select the desired character, then press **ENTER/SC**. Repeat the above. Max. digits are 16.

Tips

- Each time you press **INFO**, the character window changes as follows:

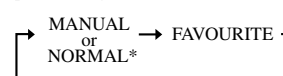


- When you select "BS," the digit preceding the cursor is deleted.

Tuning in to a preset service or station

- 1 Press **MENU** while power is on.
- 2 Press **▲** (up) or **▼** (down) to select "MODE" and press **ENTER/SC**. Then select "FAVOURITE" and press **ENTER/SC**.

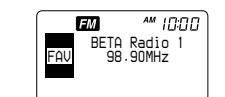
Or, press **FAVOURITE** in step 1 or 2. Each press, changes the mode as follows:



* NORMAL is DAB only.

Notes

- If you do not operate within 65 seconds during any operation, the current mode will be cancelled.
- To cancel halfway, press **MENU**.
- If you change the favourite mode without presetting, "<NO FAVOURITE>" appears and returns to the previous receiving mode.
- If you edit favourite name in FM, the edited name appears in the first line.



Continue to next page

Scan tuning (FM only)

The unit will automatically scan FM.

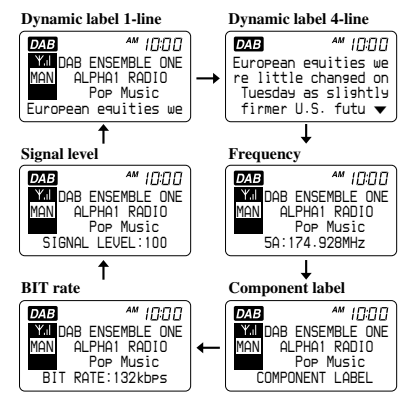
- Tune in to the FM band.
- Hold down **▲** (up) or **▼** (down) more than 2 seconds.
 - The unit tunes in to a receivable station automatically.
- If necessary, press **▲** (up) or **▼** (down) to tune in to the station more precisely.
- Adjust the volume using **VOL +/-**.

Changing the display (DAB only)

To change the display mode, press **INFO** during DAB reception. The selected display mode remains even if you turn off and on the unit or switch the band.

The ensemble label (a maximum of 16 characters available) appears in the 1st indication area. The service label (a maximum of 16 characters available) appears in the 2nd, 3rd is PTY and 4th is dynamic label.

Each time you press **INFO**, the display changes as follows:



If you press **▲** (up) or **▼** (down) to change the service, the display does not change. Only if you select a dynamic label 4-line, the display mode returns to dynamic label 1-line

Notes

- If there is no service label, no message will be displayed.
- If there is no dynamic label, “<NO DLS>” will appear.
- Other messages will appear in the following situations:
 - “<NO LABEL>” appears if there is no ensemble label.
 - “BIT RATE: ---” appears if there is no bit rate information.
 - “SIGNAL LEVEL: ---” appears if there is no signal level information.

PTY (Programme Type)

This function indicates services in programme type, such as NEWS, SPORTS of the PTY list, transmitted in the 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

Text memo function

You can store a maximum of 10 patterns for DAB dynamic labels. DAB dynamic label data can be shown up to 128 characters.

To store the text

- Tune in to indicate the dynamic label when receiving a DAB.
- Press **MENU**.
- Press **▲** (up) or **▼** (down) to select “TEXT MEMO”, then press **ENTER/SC**.
- Press **▲** (up) or **▼** (down) to select “SAVE”, then press **ENTER/SC**.
- The text list appears in the display.
- Press **▲** (up) or **▼** (down) to select the text list you wish to store, then press **ENTER/SC**.

DAB (((SAVE)) European equities 2.Bush recants in so 3.The temperature ▼
--

Stored dynamic labels are shown by their first few words. If you select an already-stored number, the new text will replace it.

To recall stored text

- Tune in to a DAB service.
- Press **MENU**.
- Press **▲** (up) or **▼** (down) to select “TEXT MEMO”, then press **ENTER/SC**.
- Press **▲** (up) or **▼** (down) to select “RECALL”, then press **ENTER/SC**.

The text list appears in the display.

DAB (((RECALL)) European equities 2.Bush recants in so 3.The temperature ▼
--

- Press **▲** (up) or **▼** (down) to select the text list you wish to show, then press **ENTER/SC**.

The dynamic label appears on the 4th line of the display.

DAB (((DELETE)) European equities re little changed on Tuesday as slightly firmer U.S. futu ▼
--

- Press **▲** (up) or **▼** (down) to scroll the text. To cancel, press **MENU**.

To delete stored text

- Tune in to a DAB service.
- Press **MENU**.
- Press **▲** (up) or **▼** (down) to select “TEXT MEMO”, then press **ENTER/SC**.
- Press **▲** (up) or **▼** (down) to select “DELETE”, then press **ENTER/SC**.

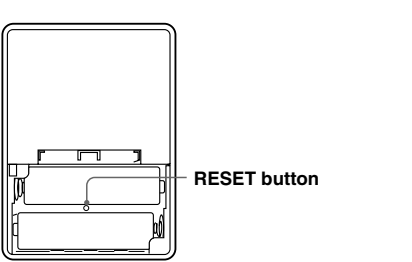
The text list appears in the display.

DAB (((DELETE)) European equities 2.Bush recants in so 3.The temperature ▼
--

- Press **▲** (up) or **▼** (down) to select the text list you wish to delete, and then press **ENTER/SC**.
- Stored texts below the deleted one will move up in the list.

To reset the unit

Press this button with a pointed object when the radio fails to function properly. The clock settings, and the services and stations you have preset, etc., will revert to the factory preset.

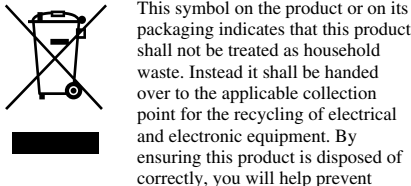


Precautions

- Operate the unit only on the power sources specified in “Specifications”. For battery operation, use two 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.
- Disconnect the AC power adaptor from the wall outlet when the unit is not to be used for a long period of time.
- 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.)
- The nameplate indicating operating voltage, etc. is located on the rear exterior.
- 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.
- This product is not designed to be splash-resistant, so you should take care to use the unit when raining, snowing or in a water-splash place.
- 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 city office, your household waste disposal service or the shop where you purchased the product. Applicable accessories: Remote control, Stereo headphones

Notes on Headphones

Road safety

Do not use headphones while driving, cycling, or operating any motorized vehicle. It may create a traffic hazard and is illegal in many areas. It can also be potentially dangerous to play your headphones at high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue use in potentially hazardous situations.

Preventing hearing damage

Avoid using headphones at high volume. Hearing experts advise against continuous, loud and extended play. If you experience a ringing in your ears, reduce volume or discontinue use.

Caring for others

Keep the volume at a moderate level. This will allow you to hear outside sounds and to be considerate to people around you.

Warning

If there is lightning when you are using the unit, take off the headphones immediately.

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.

- In a building, listen near a window.

A station or service cannot be received when a FAVOURITE button is pressed.

- 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 keep a copy of your settings in case you want to preset them again.

Specifications

Time display	
UK	12-hour system
Other countries/regions	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

Power output:

2.5 mW + 2.5 mW (at 10 % harmonic distortion)

Output:

∅ (headphone) jack (ø 3.5 mm, stereo mini jack)

Power requirements:

3 V DC, two LR6 (size AA) alkaline batteries

External power source:

DC IN 4.5 V

Dimensions:

Approx. 60 × 82 × 21.5 mm (w/h/d)
(Approx. 2 ¼ × 3 ¼ × ¾ inches) incl. projecting parts and controls

Mass:

Approx. 119 g (4.2 oz) incl. batteries / excl. accessories

Supplied accessories:

AC power adaptor (1), Remote control (1), Stereo headphones (1)

Design and specifications are subject to change without notice.

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