SONY

DAB/FM DIGITAL RADIO

Operating Instructions

DAB
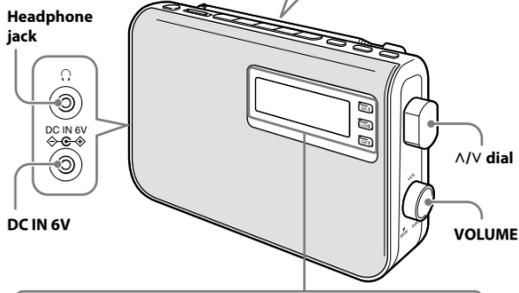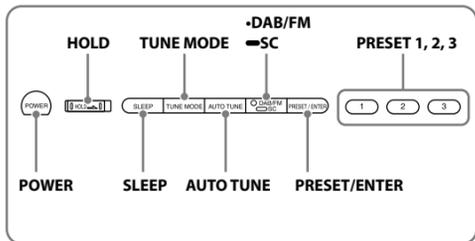Digital Audio Broadcasting

XDR-S55DAB

HOLD TUNE MODE •DAB/FM ➡SC PRESET 1, 2, 3

POWER SLEEP AUTO TUNE PRESET/ENTER

Headphone jack

DC IN 6V

∧/∨ dial

VOLUME

BETA 1
EUROPEAN EQUITIE P18
⌷ SLEEP   CLOCK ADJ   SC   MANUAL

DSPL — DISPLAY
CLOCK — CLOCK
LIGHT — LIGHT

A
LR6 (size AA) × 4
Insert the ⊖ side of the battery first.

B

C
AC power adaptor (supplied)
DC IN 6V

D
Aerial

E
RESET button

WARNING

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 only.

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 place objects filled with liquids, such as vases, on the apparatus.
Connect the AC power adaptor to an easily accessible AC outlet. Should you notice an abnormality in the AC power adaptor, disconnect it from the AC outlet immediately.

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, 108-0075 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.

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.
- Stereo headphone jack.
- Battery (LR6 × 4) or mains operated.

Choosing power sources

Installing batteries (See fig. A)

1 Open the battery compartment at the rear of the unit.
2 Install four 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)	8.5	8

* 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, "⌷" appears on the display and the power is turned off.
When "⌷" appears, replace all 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 1 minutes to replace the batteries, otherwise the clock, any lists of receivable broadcasts for DAB scan, preset favourite services 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 AC power adaptor (supplied) to the DC IN 6 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 6 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.
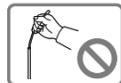
Improving the reception (See fig. D)

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 when you move the aerial with excessive force.

Initial setting for the DAB

When the batteries are installed, or when the AC power adaptor is plugged in for the first time after purchase (or after resetting), 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 is reset, do the following:
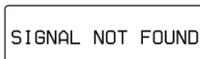
1 Adjust the aerial accordingly.
2 Press **POWER** to turn on the radio.
3 Hold down **AUTO TUNE** for more than 2 seconds.
"INIT INITIALIZE OK?" appears in the display.
4 Press **PRESET/ENTER**.
No sound will be heard, and "<SCANNING>" appears in the display. DAB scan takes about 30 ~ 90 seconds. When finished, the unit receives the first service in alphabetical order stored by the DAB scan.

INIT <SCANNING>
■■■■■■■■■■■■■■■■

Notes
- If you do not operate within 65 seconds, the initial scan mode will be cancelled.
- If no broadcasts are found by the DAB scan, "SIGNAL NOT FOUND" appears in the display.

SIGNAL NOT FOUND

- To cancel the DAB scan halfway, press **AUTO TUNE**. Any services received before you cancel are added to the list of receivable services.
- If the batteries are removed for a certain period, the received history list will be deleted, requiring you to scan again.
- If you set the initial setting, any DAB services registered as **PRESET** are erased.
- If you change the unit's location of use, or want to add a new service after the initial setting, press and release **AUTO TUNE**. "FULL <SCANNING>" appears in the display and the unit will automatically scan and create a list of receivable services.

Setting the clock

"AM 12:00" (or "0:00") will blink in the display when the batteries are installed or the AC power adaptor is plugged in, and then **POWER** is pressed for the first time after purchase, or after resetting.

1 Hold down **CLOCK** for more than 2 seconds to show the time set display.
2 Turn ∧ (up)/∨ (down) to select "OFF" and press **PRESET/ENTER**.
The hour indication starts blinking.
Example: 12-hour system.

TIME SET
AM 12:00

3 Turn ∧/∨ to set the hour, and then press **PRESET/ENTER**.
The minute indication starts blinking.
4 Turn ∧/∨ to set the minute, then press **PRESET/ENTER**.
The clock starts operating, and " : " starts blinking.

Tips
- To set the current time rapidly, hold ∧/∨.
- To set the current time exactly to the seconds, adjust the minute function in step 4 and then press **PRESET/ENTER** 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 **CLOCK**.
- To show the current time as DAB is received, press **DISPLAY**. (See "Changing the display".)

Setting the clock auto adjustment function

This function enables the built-in clock of this unit to automatically synchronize with any DAB data being received.

1 Hold down **CLOCK** for more than 2 seconds to show the time set display.
2 Turn ∧/∨ to select "ON" and press **PRESET/ENTER**.

AUTO TIME SET
ON OFF

"**CLOCK ADJ**" lights and DAB data adjusts the clock as it is received.

Notes
- If DAB is not available (depending on area), you can disable this function.
- If this function is active while adjusting the clock manually, DAB data will adjust the clock the next time the unit receives it.

Operating the radio

The unit can receive DAB services and FM stations, both of which feature PRESET and MANUAL modes - DAB services also feature ALPHABETICAL mode.

ALPHABETICAL: To select a stored service in alphabetical order.
PRESET: To select preset services. "P" appears in the display.
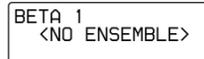**MANUAL:** To adjust the frequency incrementally.

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➡SC** repeatedly to select the desired band.
Each press changes the band as follows:

DAB → FM

3 Press **TUNE MODE** to select the desired mode.
4 Turn ∧/∨ 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.
5 Adjust the volume using **VOLUME**.

Notes in FM usage
- The channel step is set to 0.05 MHz on FM.
- When a stereo broadcast is received in FM, "ST" appears in the display.

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").
- If there are no services, you can choose only **MANUAL** mode.
- "<NO ENSEMBLE>" appears when the ensemble for the selected service cannot be received.

BETA 1
<NO ENSEMBLE>

- If a selected service finishes broadcasting, sound stops and "<NO SERVICE>" appears. In this case, turn ∧/∨ to select another service.
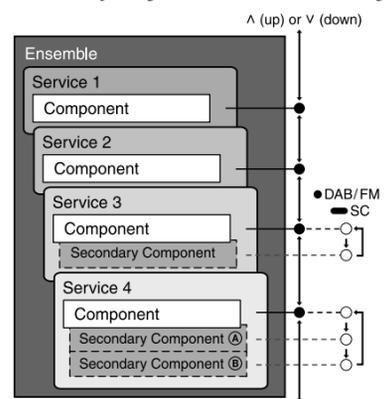
About the SC (Secondary Component)

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

BETA 4
EUROPEAN EQUITIE
SC

Press •**DAB/FM➡SC** for more than 2 seconds to receive the desired secondary component. "**SC**" appears while the secondary component is received.

Turn ∧/∨ or pressing •**DAB/FM➡SC** does the following:

∧ (up) or ∨ (down)

Ensemble
- Service 1 — Component
- Service 2 — Component
- Service 3 — Component — Secondary Component
- Service 4 — Component — Secondary Component Ⓐ — Secondary Component Ⓑ

•DAB/FM ➡SC

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

Presetting your favourite services or stations

There are two ways to preset services, Direct Preset and Preset Mode.
You can preset 10 services in DAB and 10 stations in FM, including 3 services stored on the Direct Preset buttons (**PRESET 1** – **3**).
You can enjoy any three preset services as Direct Presets, for immediate recall by pressing one of the **PRESET 1** – **3** buttons. Preset services 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** buttons (**PRESET 1** – **3**) for more than 2 seconds.
A beep sounds and "STORED" appears for one second in the display, and the service 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 Hold down **PRESET/ENTER** for more than 2 seconds.
The preset number appears in the display.
3 Turn ∧/∨ to select the favourite number to preset, then press **PRESET/ENTER**.
"STORED" appears for one second in the display and the service or station is stored.

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.

Tuning in to a preset service or station

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

Preset Mode
1 Press **TUNE MODE** repeatedly until "P" appears in the display.
2 Turn ∧/∨ to select the desired preset favourite service or station.

Deleting a preset service or station

1 Follow steps in "Tuning in to a preset service or station" and tune in to the service or station you wish to delete.
2 Hold down **PRESET/ENTER** for more than 4 seconds.
"DELETE OK?" appears in the display.
3 Press **PRESET/ENTER**.
When the preset service or station is deleted, the preceding preset service or station is received.

Note
To cancel deleting during the procedure, press **DISPLAY**. The preset service or station tuned in to in step **1** is received.

Other useful functions

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.
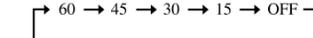
1 Press **SLEEP**.
"SLEEP" and the timer setting appear.

```
SLEEP 60
```

If you press **SLEEP** while the unit is turned off, the unit is turned on.
2 Press **SLEEP** repeatedly to select the desired sleep timer setting.
Each press changes the setting time as follows:

60 → 45 → 30 → 15 → OFF

Two short beeps sound when the display returns to "SLEEP 60".
After about 3 seconds, "SLEEP" appears in the display when the duration time is set.
The unit automatically turns off when the duration time is passed.

To change the sleep timer setting
Press **SLEEP** repeatedly to select the desired sleep timer setting even after the sleep timer has been activated.

To deactivate the sleep timer
Press **POWER** to turn off the unit before the setting time has elapsed, or press **SLEEP** repeatedly to set the sleep timer to "SLEEP OFF" in step **2**.
"SLEEP" disappears from the display.

To listen with headphones (not supplied)
Connect headphones to the ∩ (headphone) jack. The sound through the speaker will not be heard.
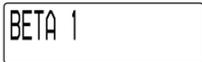
To illuminate the LCD
Press **LIGHT** to select the backlight on or off.

Notes
● The first time you turn on the unit in AC operation, the backlight is set to on (default). Any change to this setting will be retained.
● When DC operation, the backlight will turn off automatically if no operation is performed for 30 seconds.

Stretched display
Hold down the **DISPLAY** for more than 2 seconds (receiving the DAB service, the component label should be displayed in the first line), the first line in the display changes to stretched display.

```
BETA 1
```

DAB: Each time you press **DISPLAY** while the first line is displayed as stretched, it changes as follows:
Component label → Dynamic label → PTY label → Service label → Ensemble label → Frequency → Clock → BIT rate → Signal level → Component label
FM: Frequency → Clock → Frequency
Holding down **DISPLAY** for more than 2 seconds returns the display to normal.

Scan tuning (FM only)

The unit will automatically scan FM station.

1 Press **POWER** to turn on the radio.
2 Press •**DAB/FM⇌SC** to select the FM band.
3 Press **AUTO TUNE**.
Scanning starts from the frequency being tuned in. When a station is received, scanning pauses for 3 seconds and then continues.
4 When the unit tunes in to the desired station, press **AUTO TUNE** again to stop scanning.
5 If necessary, turn ∧/∨ to tune in to the station more precisely.
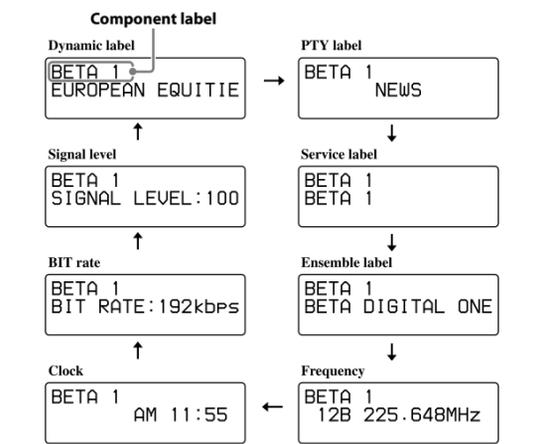**6** Adjust the volume using **VOLUME**.

Changing the display (DAB only)

To change the display mode

Press **DISPLAY**. The selected display mode remains even if you turn the unit off and on again, or change the band.

A dynamic label can be up to 128 characters long. PTY, service and ensemble labels can be up to 16 characters long.

Each time you press **DISPLAY**, the bottom in a display changes as follows:

Component label

Dynamic label
```
BETA 1
EUROPEAN EQUITIE
```
→
PTY label
```
BETA 1
        NEWS
```

↑

Signal level
```
BETA 1
SIGNAL LEVEL:100
```
Service label
```
BETA 1
BETA 1
```

↑

BIT rate
```
BETA 1
BIT RATE:192kbps
```
Ensemble label
```
BETA 1
BETA DIGITAL ONE
```

↑

↓

Clock
```
BETA 1
    AM 11:55
```
←
Frequency
```
BETA 1
12B 225.648MHz
```

If you turn ∧/∨ to change the service, the display does not change.

Notes
● If there is no service label, no message will be displayed.
● If there is no dynamic label, "<NO DLS>" will appear.
● The signal level displays 0-100, 100 indicates best reception.

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 does not transmit the programme type, "(No PTY Data)" appears.

Programme type	Display
Undefined	(No PTY Data)
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

Preventing accidental operation — HOLD function

This function prevents the radio from being unintentionally turned on, or the radio service frequency from being accidentally changed. Slide **HOLD** in the direction of the arrow. When any key is pressed, "<HOLD>" blinks for 3 seconds and all buttons on the radio become inoperative.
To cancel hold, slide **HOLD** in the opposite direction of the arrow.

To reset the unit (See fig. E)

Press this button with a pointed object when the radio fails to function properly. The clock settings, and the services 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 four 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.)
● The nameplate indicating operating voltage, etc. is located on the bottom 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.
● 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.
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 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 service or station cannot be received when a PRESET button is pressed.
● The service or station has not been preset.
● Another service or station is preset. Preset the service or station again.

The preset services or stations may be initialized, if a maintenance service or station is performed.
Please keep note down 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

Speaker:
Approx. 7.7 cm (3.0 inches) dia. 8 Ω
Power output:
0.3 W (at 10 % harmonic distortion)
Output:
∩ (headphone) jack (ø 3.5 mm, stereo mini jack)
Power requirements:
6 V DC, four LR6 (size AA) alkaline batteries
External power source:
DC IN 6 V
Dimensions:
Approx. 189 × 102.8 × 37.9 mm (w/h/d)
(Approx. 7 ½ × 4 ⅛ × 1 ½ inches) incl. projecting parts and controls
Mass:
Approx. 486 g (1 lb 1.1 oz) incl. batteries
Supplied accessories:
AC power adaptor (1)

Design and specifications are subject to change without notice.