BUSH

PRODUCT GUARANTEE

This product is guaranteed against manufacturing defects for a period of

1 Year

This product is guaranteed for twelve months from the date of original purchase. Any defect that arises due to faulty materials or workmanship will either be replaced, refunded or repaired free of charge where possible during this period by the dealer from whom you purchased the unit.

The guarantee is subject to the following provisions:

- The guarantee does not cover accidental damage, misuse, cabinet parts, knobs or consumable items.
- The product must be correctly installed and operated in accordance with the instructions contained in this manual.
- It must be used solely for domestic purpose.
- The guarantee will be rendered invalided if the product is re-sold or has been damaged by inexpert repair.
- Specifications are subject to change without notice.
- The manufacturer disclaims any liability for the incidental or consequential damages.
- The guarantee is in addition to, and does not diminish your statutory or legal rights.

Guarantor: Argos Ltd
489 - 499 Avebury Boulevard
Central Milton Keynes
MK9 2NW

BUSH

Instruction Manual
NE-6216

Welcome!
Digital Radio

Table of content

SAFETY

- FOR HOUSEHOLD AND INDOOR USE ONLY
- PLACE THE APPLIANCE ON A FLAT, STABLE SURFACE WITH ADEQUATE VENTILATION AND AWAY FROM OTHER SOURCES OF HEAT. MINIMUM DISTANCES AROUND THE APPLIANCE FOR ADEQUATE VENTILATION IS 10CM. DO NOT COVER OR RESTRICT VENTILATION OPENINGS.
- CHILDREN SHOULD BE SUPERVISED TO ENSURE THEY DO NOT PLAY WITH THE APPLIANCE, AND THE APPLIANCE AND CABLE SHOULD BE KEPT COMPLETELY OUT OF REACH OF YOUNG CHILDREN.
- THIS APPLIANCE IS NOT DESIGNED FOR USE BY CHILDREN, OR PERSONS WITH REDUCED PHYSICAL, SENSORY OR MENTAL CAPABILITIES, AND SHOULD NOT BE USED BY SUCH PERSONS UNLESS THEY CAN DO SO SAFELY. WHERE NECESSARY, SUCH PERSONS (OR ANYONE WITH LACK OF EXPERIENCE OR KNOWLEDGE) SHOULD FIRST BE GIVEN SUPERVISION OR INSTRUCTION CONCERNING USE OF THE APPLIANCE BY A PERSON RESPONSIBLE FOR THEIR SAFETY.
- FULLY UNWIND THE CABLE BEFORE PLUGGING IN AND ENSURE THE CABLE IS POSITIONED AWAY FROM AREAS WHERE IT IS LIKELY TO GET DAMAGED OR CAUSE A TRIP HAZARD.
- THE OUTPUT CORD OF THIS MAINS ADAPTOR CANNOT BE REPLACED. IN THE EVENT OF DAMAGE TO THE CABLE, JACK PLUG OR ADAPTOR, THE ENTIRE ADAPTOR UNIT SHOULD BE REPLACED.
- CONNECTIONS MUST ONLY BE MADE VIA THE MAINS ADAPTOR SUPPLIED, NEVER CONNECT THE APPLIANCE DIRECTLY TO THE 240V MAINS SUPPLY.
- NEVER USE THE ADAPTOR SUPPLIED WITH ANY OTHER APPLIANCE.
- THE MAINS ADAPTOR WILL BECOME WARM IN USE; DO NOT COVER OR PLACE ON OR NEAR SURFACES THAT COULD BE AFFECTED BY HEAT SUCH AS TABLE TOPS AND CARPETS.
- REMOVE MAINS ADAPTOR FROM SUPPLY IF APPLIANCE IS UNUSED FOR A LONG PERIOD OF TIME, AND DURING THUNDERSTORMS.
- DO NOT PULL ON THE CABLE TO DISCONNECT FROM MAINS SUPPLY.

- KEEP APPLIANCE, CABLE, MAINS ADAPTOR PLUG DRY AND AWAY FROM AREAS WHERE IT IS LIKELY TO GET SPLASHED. AVOID USING IN HOT, HUMID ENVIRONMENTS.
- DO NOT PLACE ITEMS WITH NAKED FLAMES OR CONTAINERS WITH LIQUIDS ON THIS APPLIANCE.
- SWITCH OFF AND UNPLUG WHEN NOT IN USE AND BEFORE CLEANING OR SERVICING THE APPLIANCE. SERVICING OF THIS APPLIANCE MUST ONLY BE CARRIED OUT BY A QUALIFIED ELECTRICIAN.
- ALWAYS ENSURE THE MAINS ADAPTOR PLUG IS READILY UNPLUGGABLE – DO NOT USE WITH 'LOCKABLE' SOCKETS OR PERMANENTLY WIRE TO MAINS.

The lightning flash with arrow-head symbol, within an equilateral triangle, is intended to alert the user to the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user to presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

PARTS

Front view
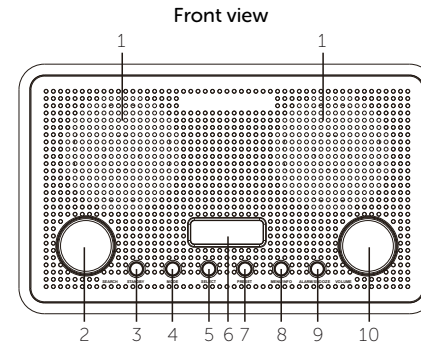
1.	SPEAKER	6.	LCD DISPLAY
2.	SEARCH CONTROL	7.	PRESET BUTTON
3.	STANDBY BUTTON	8.	MENU/INFO BUTTON
4.	MODE BUTTON	9.	ALARM/SNOOZE BUTTON
5.	SELECT BUTTON	10.	VOLUME CONTROL

Rear view
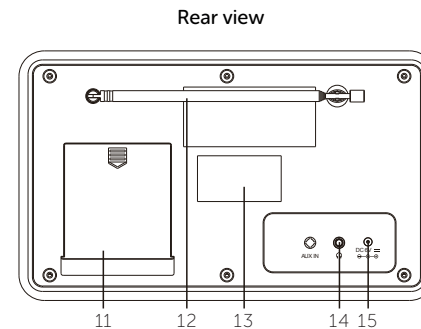
11.	BATTERY DOOR	14.	HEADPHONE JACK
12.	ROD ANTENNA	15.	DC INPUT SOCKET
13.	RATING LABEL		

SWITCHING YOUR RADIO ON FOR THE FIRST TIME

AC Operation
1. Insert the DC power jack of AC/DC adaptor to the DC input socket located at the rear of the radio.
2. Plug the AC/DC Adaptor to the AC mains outlet.
3. Press the **STANDBY** button to turn the radio on.

Remarks: If the AC Adaptor voltage is over than 6V, it will possible make the line damage.
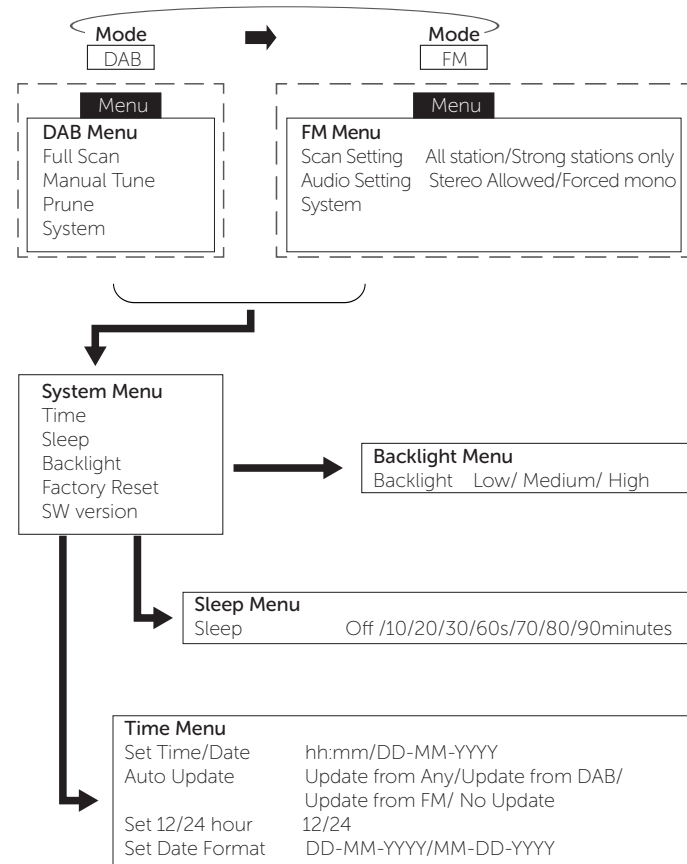
DC (battery) operation
1. Ensure the AC/DC adaptor is disconnected from the radio and AC mains.
2. Installed the batteries (4×1.5V UM3/AA battery) into the battery compartment.
3. Press the **STANDBY** button to turn the radio on.

Remarks: To obtain the best performance in DC operation, the use of alkaline batteries is highly recommended.

Menus:
Press and hold **MENU/INFO** button to enter into the "MENU". Rotate **SEARCH** Control to navigate the desire option, then press SELECT button to confirm.

MENU Tree as below:

```
Mode                          Mode
 DAB                           FM

    Menu                          Menu
DAB Menu                   FM Menu
Full Scan                  Scan Setting    All station/Strong stations only
Manual Tune                Audio Setting   Stereo Allowed/Forced mono
Prune                      System
System
```

```
System Menu
Time
Sleep                               Backlight Menu
Backlight                           Backlight   Low/ Medium/ High
Factory Reset
SW version


                                    Sleep Menu
                                    Sleep          Off /10/20/30/60s/70/80/90minutes


Time Menu
Set Time/Date        hh:mm/DD-MM-YYYY
Auto Update          Update from Any/Update from DAB/
                     Update from FM/ No Update
Set 12/24 hour       12/24
Set Date Format      DD-MM-YYYY/MM-DD-YYYY
```

SETTING THE CLOCK

The clock in this radio is equipped to receive a DAB radio frequency time signal. After the unit has been turned on, it will automatically tune into a DAB radio station and update the clock. It may be necessary to wait for 1-2 minutes to allow the unit to receive the time signal. If the area will only receive an FM signal it will be necessary to manually set the clock.

Set the clock in STANDBY mode

1. Insert the AC/DC adaptor into the power socket at the rear of the radio. Plug the adaptor into the mains supply socket.
2. The display backlight will illuminate for a few seconds, a welcome message (F1) will appear in the display briefly and the clock will be displayed "00:00:00 Time is not set" will be displayed.

F.1

```
Welcome!
Digital Radio
```

3. In standby mode, press the **ALARM/SNOONZE** button, display will show "Time is not set" then the hour digits will flash in the display, rotate the **SEARCH** control to set the correct hour, then press the **SELECT** button to confirm.
4. The minute digits will now flash, rotate the **SEARCH** control to set the correct minute.
5. Later you will enter to "set date 1-1-2014". Rotate the **SEARCH** control to set date and press **SELECT** button to confirm again.
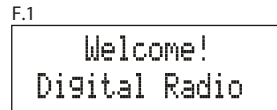
Set the clock in working mode

1. Connect the radio to AC mains (via AC/DC adaptor), then press **STANDBY** to turn the radio on.
2. Press and hold the **MENU/INFO** button for longer than 2 seconds, rotate the **SEARCH** control to until the display show "System", then press the SELECT button confirm.
3. Continue rotate the **SEARCH** control to until the display shows "Time" and then press the **SELECT** button confirm will show "<Set Time /Date>" press the **SELECT** button again confirm.
4. The hour digits will flash in the display, rotate the **SEARCH** control to set the correct hour, then press the **SELECT** button to confirm.
5. The minute digits will now flash, rotate the **SEARCH** control to set the correct minute.
6. Later you will enter to "set date 1-1-2014". Rotate the **SEARCH** control to set date and press **SELECT** button to confirm again.

BASIC OPERATION - GETTING STARTED

1. Press the **STANDBY** button to turn the unit on, it will automatically enter into the DAB mode and perform auto scan function, During the scan the display show "Scanning…" together with a slide bar that indicates the progress of the scan and the amount of stations that have been found so far. (F.2)

F.2

```
Scanning...    0
█████
```

2. Once the scan has finished, the radio will select the first alphanumerically found station. You can now rotate the **SEARCH** control to explore the found stations followed by pressing the **SELECT** button to select listening to the stations.

Note: If there is no stations found after auto scan, the radio will display "Full Scan", you can now rotate the **SEARCH** control to select "Manual tune" or "Full scan" for stations, and press **SELECT** button to finally confirm.

DAB Auto Scan

The full scan will search for the entire DAB Band III channels. After the scan has finished, the first alphanumerically found stations will be automatically selected.

1. To activate auto scan, press and hold the **MENU/INFO** button for longer than 2 seconds, rotate the **SEARCH** control to select "Full scan". And press the **SELECT** button to confirm, the display will show "Scanning…" together with a slide bar that indicates the progress of the scan. (F.3)

F.3

```
Scanning...
██████□□□□□□□□□□
```

2. All the stations that have been found will be stored automatically. To explore and listen to the found stations, rotate the **SEARCH** control and then press the **SELECT** button to confirm.
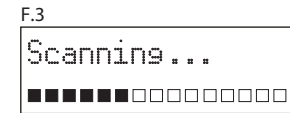
DAB Manual tune

1. To select manual tune, press and hold the **MENU/INFO** button for longer than 2 seconds, rotate the **SEARCH** control to select "Manual tune".(F.4) And press the **SELECT** button to confirm.

F.4

```
     DAB
<  Manual tune   >
```

2. Rotate the **SEARCH** control to move through the DAB channels, the display will show "5A to 13F" and their associated frequencies. (F.5)

F.5

```
   Manual tune
< 5A 174.928MHz >
```
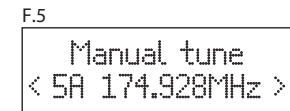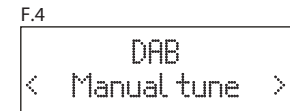
3. When your desired frequency appears in the display, press the **SELECT** button to listen, the name of the station group (ensemble/multiplex) will be displayed.

Prune
You may remove all unavailable station form on the list.
1. During **DAB** mode, press and hold the **MENU/INFO** button for longer than 2 seconds and then rotate the **SEARCH** control to select "Prune". And press the **SELECT** button to confirm.
2. Rotate the **SEARCH** control to select <**Yes**> to confirm delete. Or select <**No**> to cancel. Press the **SELECT** button to confirm the setting.

DAB display modes
Every time you press the **MENU/INFO** button, the display will cycle through the following display modes:
Signal strength, Programme Type, Ensemble Name, Channel number/frequency, Signal error, Audio Bit Rate, Power status (Mains/Battery), Time and Date.

Signal Strength
This shows a slide bar to indicate the signal strength, the stronger signal, the longer the bar will befrom left to right.

Programme Type
This describes the "style" or "genre" of the programme that is being broadcast.
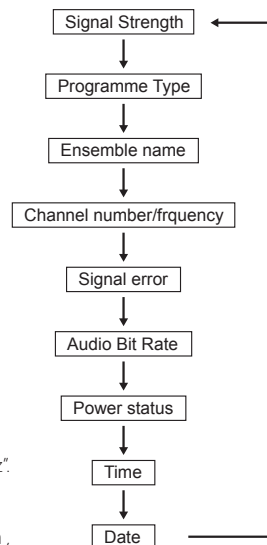
Ensemble Name
The Ensemble/Multiplex is a collection of radio stations that are bundled and transmitted together in a single frequency. There are national and local multiplexes, local ones contain stations that are specific to that area.

Channel number/frequency
This displays the Channel number/frequency of the present station, such as "11C 220.352MHz".

Signal error
Show the stability and quality of signal reception , the best representation for 0.

```
Signal Strength
      ↓
Programme Type
      ↓
Ensemble name
      ↓
Channel number/frquency
      ↓
Signal error
      ↓
Audio Bit Rate
      ↓
Power status
      ↓
Time
      ↓
Date
```

Audio Bit Rate
The display will show the digital audio bit rate being received.

Power status
Display the power supply is adaptor or battery. If the power supply is battery, the display will show the battery capacity (21-100). When the battery is less than 20, the display will show battery is low.

Time / Date
This displays the current time and date provided automatically by the broadcaster.

FM radio
1. To select FM, press the **MODE** button, the display will show FM and the frequency.
2. To activate auto search, press **SELECT** button or rotate and hold the **SEARCH** control anticlockwise or clockwise until the radio starts to scan the frequency band, the display will show

F.6

```
92.75MHz
Scanning...
```

"Scanning ..." (F6) and it will stop automatically once a station has been found.
3. To search manually, rotate the **SEARCH** control to increment the frequency by 0.05MHz. If reception is still poor adjust the position of the antenna or try moving the radio to another location.
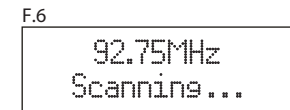
Scan setting
During FM mode, press and hold the **MENU/INFO** button for longer than 2 seconds and then rotate the **SEARCH** control to select "Scan setting" finally press the **SELECT** button to confirm. Rotate the **SEARCH** control to select "All stations/Strong stations only". Press the **SELECT** button to confirm the setting.

Audio setting
FM is able to search for Stereo or Mono stations.
1. Press and hold the **MENU/INFO** button, then rotate the **SEARCH** control to select "Audio setting", and press **SELECT** to confirm.
2. Rotate the **SEARCH** control to select "Stereo allowed" or "Forced mono", and press **SELECT** to confirm.
Note: The radio will automatically switch between stereo and mono mode, but you can override this and switch this function manually which is helpful for poor signal reception.

FM display modes

Every time you press the **MENU/INFO** button, the display will cycle through the following display modes: Radio Text, Programme Type, Frequency, Audio Type, Power status (Mains/Battery), Time and Date.

Radio Text
This displays the information about the current programme.

Programme Type
This describes the "style" or "genre" of the programme that is being broadcast.

Frequency
This displays the frequency of the present station, such as "87.8MHz".

Audio Type
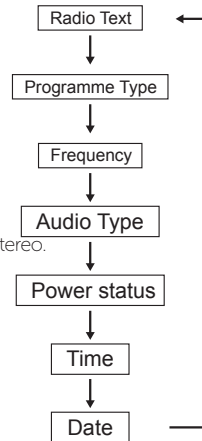This displays if the station being received is in mono or stereo.

Power status
Display the power supply is adaptor or battery. If the power supply is battery, the display will show the battery capacity (21-100). When the battery is less than 20, the display will show battery is low.

Time
This display the current time provided automatically by the broadcaster.

Date
This display the current date provided automatically by the broadcaster.

```
       Radio Text      ◄──┐
           │              │
      Programme Type      │
           │              │
        Frequency         │
           │              │
       Audio Type         │
           │              │
      Power status        │
           │              │
          Time            │
           │              │
          Date   ─────────┘
```

STORING AND RECALLING STORED STATIONS

This function allows up to 10 stations to be programmed into the memory and stored in both DAB and FM mode.

1. To store a preset, first tune to your desired station, then press and hold the **PRESET** button for longer than 2 seconds ,the display will show the "Preset Store <#:(Empty)>" (F7).

F.7
```
Preset Store
<1: Empty       >
```
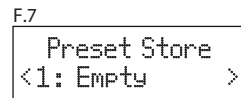
2. Rotate the **SEARCH** control to select your desired station preset number.
3. Press the **SELECT** button to confirm your selection, the station now broadcasting has now been stored in the selected location (F8).
4. To listen to the preset stations, press the **PRESET** button once and then rotate the **SEARCH** control to select the desired preset location. And press the **SELECT** button to confirm. (F.9) The station name or frequency and preset location number will be displayed in the lower half of the display. If the preset has not been allocated "Preset Recall #: (Empty)", "Preset Empty" will be shown in the display.

F.8
```
   Preset 1
    Stored
```

F.9
```
  Preset Recall
<6: BBC Radio6>
```

Notes: If the unit is disconnected from the mains supply for any length of time and the batteries are not installed, the programmed stations will be lost.

SETTING ALARMS (AC OPERATION ONLY)

1. Alarm will only function when the product is using Mains power. Attempting to enter Standby mode when powered only by battery will turn the product off.
2. An active alarm is indicated by its icon at the top line of the display.
3. Alarms can be switched on or off in standby mode. However, the alarm parameters can only be set when the product is on.
4. To set or change alarm 1, press **ALARM/SNOOZE** button once, then press the **SELECT** button. (F.10)
5. To set or change alarm 2, press the **ALARM/SNOOZE** button twice, then press the **SELECT** button.

F.10
```
Alarm 1 Setup
```

6. To exist alarm setting mode, press the **ALARM/SNOOZE** button again.
7. The alarm setup prompts you for the following parameters. Select a value for each parameter in rotating the **SEARCH** control and press the **SELECT** button to confirm and move on to the next parameter.
8. Parameters
    ➤ On Time –Hours and minutes
    ➤ Duration-15/30/45/60/90 minutes
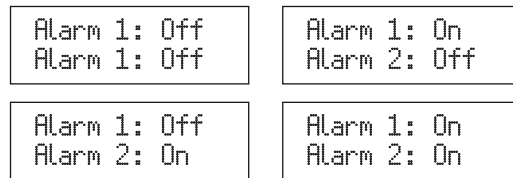   If the alarm is not cancelled product returns to standby after this time period
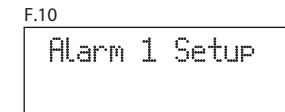
➤ Source- Buzzer/DAB/FM
   If DAB or FM is chosen as the audio source you will also be
   prompted to select the last played station or one of the preset
   station (if set)
➤ Daily/Once/Weekends/Weekdays
   Choose the days on which the alarm is active
   Note: if you choose "Once", you are prompted to enter the require date.
➤ Volume – Rotate the **SEARCH** control to increase or decrease the
   volume you desired
   This is the volume the alarm will build up to. (Initially the alarm
   sounds at a low volume and gradually gets louder to the set volume)
➤ Alarm – Off/ On
• In standby mode, active alarms are indicated by displaying the relevant
  Alarm 1 and or Alarm 2 icons.
• At the set time, the alarm will sound, quietly at first, then gradually building
  up to the set volume. When an alarm sounds.

To turn alarms on or off in standby mode
• Press the **ALARM/SNOOZE** button, the display shows the current alarm
  status. To switch the alarms on or off
• Press the **ALARM/SNOOZE** button repeatedly to cycle through four states
 as shown below (F.11)

F.11

```
Alarm 1: Off        Alarm 1: On
Alarm 1: Off        Alarm 2: Off
```

```
Alarm 1: Off        Alarm 1: On
Alarm 2: On         Alarm 2: On
```

• To choose the display Alarm status, press the **SELECT** button to confirm
Note 1: If you have activated the alarm function and the wake up mode is
DAB or FM, make sure that the alarm volume level is set at a sufficient level
for you to hear.
Note 2: If one alarm arrive while the other is in snooze mode, snooze mode
will be canceled.

SNOOZE (AC OPERATION ONLY)

1. To temporarily silence a sounding alarm, press the **ALARM/SNOOZE**
   button once, you can change the snooze period by repeatedly pressing
   the **ALARM/SNOOZE** button, Snooze periods are 5 or 10 minutes .
   The radio returns to standby for the set time period with Snooze
   countdown displayed. When the countdown reaches 0(zero) the alarm
   triggered again. (F.12) (F.13)
2. Press the **STANDBY** button or the **ALARM/SNOOZE** button to fully
   cancel a sounding alarm and switch the ratio to standby.

F.12

```
    Snooze
   5 minutes
```

F.13

```
   07:03:45
  Snooze 1:05
```
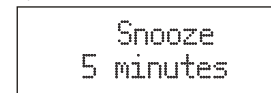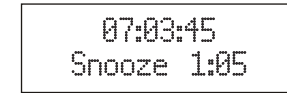
SLEEP (AC OPERATION ONLY)

This function allows you to program the unit to switch off by itself after a set
period of time.
1. Press and hold the **MENU/INFO** button for longer than 2 seconds, then
   rotate the **SEARCH** control until the display shows 'System', and press the
   SELECT button to confirm. Rotate the **SEARCH** control until the display
   shows "Sleep", then press the **SELECT** button to confirm.
2. Rotate the **SEARCH** button that you can
   choose the sleep delay time from:
   Sleep Off /10/20/30/60/70/80/90
   minutes, and then press the **SELECT**
   button to confirm. (F.14)

F.14

```
Set sleep time
  30 minutes
```

3. To check the sleep interval remaining,
   rotate the **SEARCH** control until the display shows "Sleep", then press the
   SELECT button to check.
4. To cancel the sleep timer, press and hold the **MENU/INFO** button for
   longer than 2 seconds, then rotate the **SEARCH** control until the display
   shows 'System', and press the **SELECT** button to confirm. Rotate the
   SEARCH control until the display shows "Sleep", then press the **SELECT**
   button to confirm. Rotate the **SEARCH** button to select "Sleep Off", then
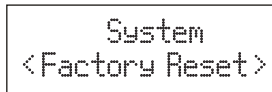   press **SELECT** button to confirm.
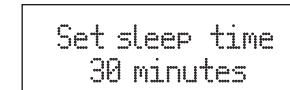
USING HEADPHONES (NOT INCLUDED)

A stereo headphone jack has been provided so that the set can be used without disturbing others. Plug in the headphones at the point marked ' 🎧 ' and adjust the listening volume to your chosen level. Excessive sound pressure from earphones and headphones can cause hearing loss. The speakers will not operate when earphones are fitted.
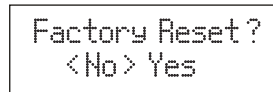
RESET (AC OPERATION ONLY)

1.   If moving the radio to another location in the country the pre-tuned and stored DAB stations may no longer be available and it will be necessary to reset the radio back to the factory settings.
2.   With the unit switched on, press and hold the **MENU/INFO** button for longer than 2 seconds and rotate the **SEARCH** control until the display shows "System" and press the **SELECT** button to confirm.
3.   Rotate the **SEARCH** control unit the display shows "Factory Reset", press **SELECT** button to confirm. (F.15)
4.   The display shows "Factory Reset <No> Yes", rotate the **SEARCH** control to select "Yes", and press **SELECT** button to confirm. (F.16)

F.15

```
      System
<Factory Reset>
```

F.16

```
Factory Reset ?
    <No> Yes
```

5.   The radio will display "Restarting…." and the unit will then go into standby mode.
Note: All stored programmed stations will be lost during reset.

BACKLIGHT

The product display has a backlight with three brightness setting - Low/Medium/High
1.   With the unit switched on, press and hold the **MENU/INFO** button for longer than 2 seconds, and then rotate the **SEARCH** control until the display shows "System". Press the **SELECT** button to confirm.
2.   Rotate the **SEARCH** control until the display shows"Backlight", and press the **SELECT** button to confirm. v

3.   Rotate the **SEARCH** control cycle through "Low/Medium/High" and press the **SELECT** button to confirm the setting.

TECHNICAL SPECIFICATION

Rated voltage (adaptor)	AC 100 – 240V~ 50/60Hz, 0.3A
Adaptor output	DC 6V ⎓ 1.5A
Power consumption	9 W
Rated voltage (radio)	DC 6V (1.5V x 4 AA)
Audio output	2*2W RMS
Radio	DAB 174-240MHz
	FM 87.5-108MHz
Operating conditions Temperature:	5°C to 35°C
	Humidity 5% to 90%
Unit dimension:	230 (L) x 138 (H) x 89 (D) mm
Weight:	0.9 kg

SPECIFICATION SUBJECT TO CHANGE WITHOUT FURTHER NOTICE.