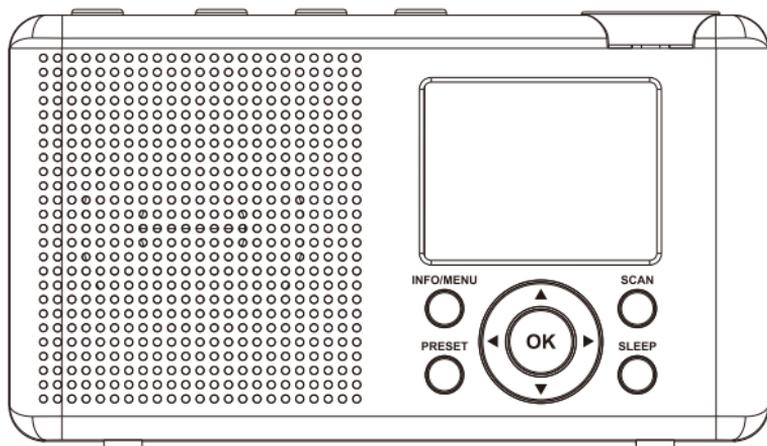




# DAB+/DAB/FM Radio

DK-23C

User Manual



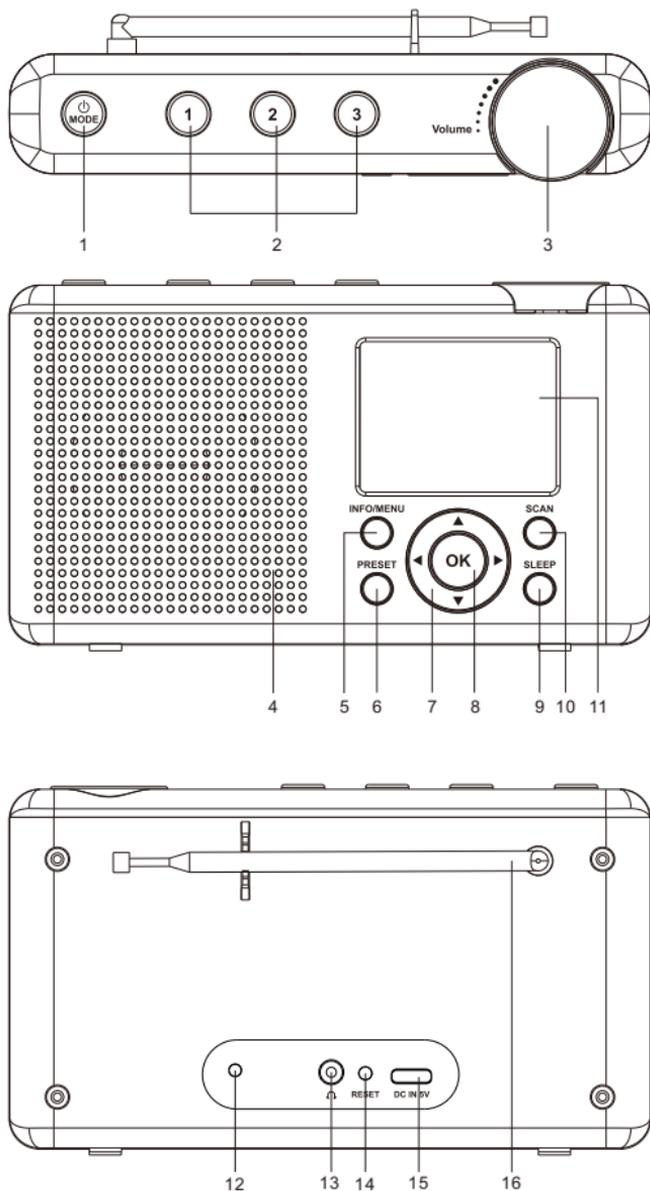
Please read this user manual carefully before using the receiver.



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# Location of Controls



## Location of Controls

- 1.  $\phi$  / MODE**
  - [ $\phi$ ]: Long press to power on and off.
  - [MODE]: When the radio is powered on, short press to switch between DAB and FM.
- 2. Preset 1-3 button**

Press and hold the preset 1-3 buttons directly saving dedicated channel, hit the same button to recall the channel.
- 3. VOLUME**

Rotate the knob to increase or reduce the volume level.
- 4. Speaker**
- 5. INFO / MENU**
  - [INFO]: Press the button repeatedly to view various broadcast information by the radio station.
  - [MENU]: Long pressing the button to enter the system setting.
- 6. PRESET**

Long press the button to enter the list of preset to save the station to a desired preset number.  
Short press the button to recall the preset list.
- 7.  $\blacktriangleleft \blacktriangleright \blacktriangle \blacktriangledown$** 
  - [ $\blacktriangleleft \blacktriangleright$ ]: Navigation left/right. In FM mode, press to do manual scan downwards/upwards by 0.05MHz. Press and hold to scan the next station.
  - [ $\blacktriangle \blacktriangledown$ ]: Navigation up/down. Both DAB and FM mode, press to skip to the next/previous preset station.
- 8. OK**

Press to confirm selection.
- 9. SLEEP**

Press to select different sleep timer.
- 10. SCAN**

Short press the button to do full scan.
- 11. Display**
- 12. LED indicator for battery charging**
- 13. Earphone socket**
- 14. Reset**

Use a pin to click the button for a power reset.
- 15. USB 5V input- USB Type C port**

To charge the built-in battery of the radio with the USB Cable in type C connector.
- 16. Antenna**

## Precautions

- The radio should not be used in a high temperature or high humidity environment over prolonged periods of time as this may damage the unit.
- Keep the radio away from liquids as it may get damaged. Please switch off the radio immediately if water or liquids is spilled into the radio. Consult with the shop you bought this radio for any question.
- Avoid using or storing the unit in dusty or sandy environment.
- Do not open and repair the radio by yourself.
- Use only the specified power input voltage to charge the battery. Connecting a power supply with a different rating will cause permanent damage to the radio and may be hazardous.
- Clean only with dry cloth

**WARNING:** TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

### CAUTION

**RISK OF ELECTRIC SHOCK  
DO NOT OPEN**

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE RADIO BACK, NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



THE LIGHTNING FLASH AND ARROWHEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSIDE THE RADIO.



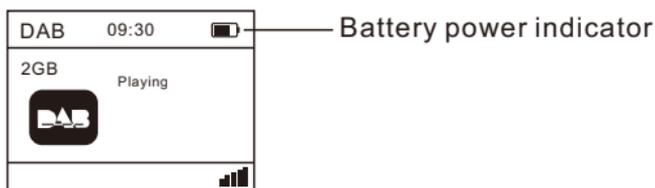
THE EXCLAMATION POINT WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THIS RADIO.

The radio is powered by the built-in lithium battery. A USB cable is supplied in the product package. Hold and Press the [ **⊕/Mode** ] button to power on.

To power off the radio, long pressing the same button.

### Charging battery

Always check the battery indicator on the top right corner of the screen to see the battery power status.



When battery power is low, the battery indicator will keep blinking as a reminder for battery charging.

When battery power is low, it will prompt with message "Low Battery" to remind for battery charging.

To charge the battery, connect the USB type C connector to the port at the rear side of the radio, connect the other end to a power source supplied in 5V OUT. The LED will light up in red indicates the battery is charging.

The LED will turn to green when charging is done.

**Note:** The charging might take much longer to complete if the radio is playing while charging.

## DAB Radio/FM scan

### DAB Radio

#### Change radio mode

When the radio is powered on, press the [ **⊕/Mode** ] button to select the mode between DAB and FM.

#### DAB station scan

If this is the first time the radio is powered up, it will scan the DAB radio stations automatically. It will display and play the first station after the scan is done.

In case it displays "No DAB Service", short press the [ **Scan** ] button to start scanning.

#### Tuning DAB station

Press the [ **◀/▶** ] button to choose other radio channels. Then press [ **OK** ] button to confirm to start play automatically.

### FM scan

Select the FM mode, short press the [ **Scan** ] button to initiate the auto scan. The radio will store the preset automatically when the scan is done.

To manual scan, use the [ **◀/▶** ] button and it will fine tune the frequency in a step of 0.05MHz.

## Preset a station

Your radio can store up to 20 DAB stations and 20 FM stations in its preset memories for instant access to your favorite stations.

1. Tune your radio to the station that you wish to preset.
2. Press and hold [**Preset**] button on the radio, it will enter the "Preset store " list. Select the preset number you want to save by using the [ ▲/▼ ] button, press the [**OK**] button to confirm. It will show the preset number is saved.
3. There are 3 preset buttons on the radio. It allows to save and recall quickly a dedicated channel. Press and hold the button to store the channel.

You can replace the existing preset with other channel by doing the same preset procedure as described above.

## Recall a station preset

Briefly press the [**Preset**] button on the unit, the preset list will pop up. Press the [ ▲/▼ ] button to find the station you want to listen, then press [**OK**] button to recall the station. If you have preset the favorites channels for Preset button 1-3, simply press these buttons to access them quickly.

Press the [ ▲/▼ ] button to skip to the next or previous preset when the radio displays a playing screen of a radio station.

### Note:

1. If there is already an existing DAB or FM station stored under a preset, it will be overwritten when you save a new station.
2. The DAB presets will not overwrite the FM station presets.

### Volume control

Rotate **Volume**[- /+] knob to adjust the volume level.

### Info

When the radio station is playing, press the **[Info/Menu]** button repeatedly to cycle through the information broadcasted by the radio as follow:

#### **Under DAB**

- DLS (Dynamic Label Segmenting): Radio text be broadcast from the DAB station such as the news, songs being played...etc.
- Signal error: The signal strength is displayed graphically.
- PTY (Programme Type): shows which type of programme you are listening to, "Music", "Talk", "News" etc. If there is no information, it will display "Programme Type".
- Radio name.
- Channel/Frequency-The frequency of DAB is displayed such as "11C 220.352MHz".
- Audio info: The display shows the digital audio bit rate of the current reception.
- Time/Date-The time and date are set automatically.

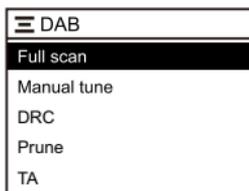
#### **Under FM**

- RT (Radio text): Text broadcasted from the FM station
- PTY
- Radio Name
- Date-The date is set automatically.

Note: The time and date accuracy depends on the info broadcasted from the radio station.

## Main Menu of DAB mode

When you listen to DAB radio station, press and hold the **[INFO/MENU]** to enter the main menu as follow:



Please note if there is not any operation in 30 seconds, the radio will return to last playing mode.

Note: To exit / return to the last menu level, press the **[INFO/MENU]** button.

### Full Scan

Press to scan for DAB radio stations.

### Manual Tune

Press to enter the manual tune, then you can choose the frequency from 5A to 13F and perform a scan in the available frequency manually.

### DRC

Dynamic Range Control (also known as DRC) can make quieter sounds easier to hear when your radio is used in a noisy environment. This function is only available for the DAB.

DRC Off – No compression

DRC Low – Medium compression

DRC High – Maximum compression

Setting the compression to maximum will “boost” the quiet sounds, whilst keeping the loudest sounds at their original level.

## Main Menu of DAB mode

### Prune

Some DAB services may stop broadcasting or you may not be able to receive a station. Select “yes” to delete the DAB stations from your station list that can no longer be received.

### TA

This radio supports the Traffic Announcement so that you can receive the traffic news if the radio channel supports such feature. It is OFF by default and you can change the setting here.

### System Time

There are 4 settings:

1. Set Time/Date: This allows the user to manually set the current Time and Date.
2. Auto Update: This function will set the radio's time and date automatically with data sent along with the broadcast of either the FM or DAB radio station. You can choose “No Update” then the radio will not receive the time data.
3. Set 12/24 hour: This option will change the format of your clock to either 12 hour or 24 hour format.
4. Set date Format: This option will change the format of the date to DD/MM/YYYY or MM/DD/YYYY.

#### **Note:**

***The FM auto Time/Date update may not work in your area, so the DAB auto update option is recommended.***

## Main Menu of DAB mode

### Backlight

There are 3 brightness levels you can choose: High, Medium & Low.

1. Timeout: This option is used to set the period of time that you wish your display's backlight to remain lit when your radio is just playing without any operation is made.

The available options are: On /10sec /20sec /30sec /45sec /60sec /90sec /120 sec /180 sec.

Select "On" will force your radio's backlight to remain on constantly without dim down no matter during operation or idle. If you select a specific time interval, after the selected time period has lapsed the display will dim down.

2. On level: There are 3 levels to choose, High, Medium and Low. This option will determine how bright the display's backlight is lit when the radio is operating.
3. Dim level: The dim level can also be set to High, Medium and Low. It is to determine how bright the display's backlight when it is dim down.

### Language

There are 4 languages available for the menu, English, French, German, Italian.

### Factory reset

You can reset the radio to the factory default any time. Once a reset has been done, all previous settings and preset will be erased and the radio will resume to DAB mode.

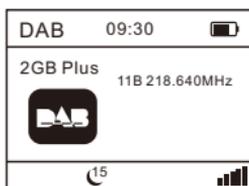
### SW Version

This is to show the firmware version.

## Sleep timer

The sleep timer switches the radio off automatically after an adjustable time.

Press the **[Sleep]** button repeatedly to choose different timer with options 15/30/45/60/90minutes. The sleep timer will show on the display with the moon icon. If 15 minutes is set, The radio will switch off automatically when 15 minutes is due.



To cancel the sleep timer, Press the **[Sleep]** button until the moon icon disappeared on the display.

## Main Menu of FM mode

While the radio is in FM mode, press and hold the **[INFO/MENU]** button on the radio to enter the main menu.

### **Scan setting**

There are two types of scan available. The scan is carried out according to "Strong station" or "All station". If "Strong station" is selected, it will scan only the channels with strong reception signal where the radio is placed. If "All station" is selected, it will scan out both the strong and weak channels.

### **System**

The options available are same as DAB. Please refer to the DAB section as described above.

If you are experiencing problems with your DAB radio there are some quick and easy checks that you can do, which may help to solve the problem.

### **No DAB reception**

- If it displays "no DAB service", please carry out "Factory Reset" on the radio and fully extend the antenna or adjust in different direction to get the best reception.
- Move the radio close to the window.

### **Radio reception is poor**

- Adjust the antenna to optimize the best reception level. Move the antenna around with different directions to get the best signal.
- Check that you do not have other electrical equipment too close to your radio or close to any sources of interference such as microwaves, fluorescent lights, etc which causing interference.

### **No sound**

- Check if the volume is mute. Adjust the volume level.
- Check that the radio is power on.
- Try changing to another radio station.

### **The radio does not turn on**

- The battery is flat. Please charge the battery and make sure the cable is well connected and the Red LED comes on when charging.

## Technical Specification

Model	DK-23C
DAB frequency range	174.928MHz (5A) - 239.200MHz (13F) support DAB and DAB+
FM frequency range	87.5-108MHz
Power input	5V $\equiv$ 1A
Battery power	Lithium battery 1200mAH
Audio socket	3.5mm earphone jack
Unit Dimension	160 x 30 x 90 mm (L x D x H)

***Remark: Specification may vary without notice***

### **In the box**

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- \* DAB Radio
- \* USB charging cable
- \* User manual

## WEEE and Recycling



The European laws do not allow any more the disposal of old or defective electric or electronic devices with the household waste. Return your product to a municipal collection point for recycling to dispose of it. This system is financed by the industry and the ensures environmentally responsible disposal and the recycling of valuable raw materials.

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