

INTERNATIONAL RECEIVER COMPANY

 **DAB+/DAB, FM Digital Radio**

 **Instruction Manual**

 **IKR2111DAB**



Introduction

Thank you for buying this product, which is designed to give you many years of trouble-free service. You may already be familiar with using a similar unit, but please take time to read these instructions.

Safety is important

Your safety and the safety of others is important. Please therefore, ensure you read the “Safety Instructions” **before** you operate this unit.

Ensure that you read all of the safety instructions before using this unit.

Safety Considerations

- Position the power cable and other connected cables so that they are not likely to be walked on, pinched or where items can be placed on or against them.
- Do not use the unit in humid or damp conditions.
- Do not allow the unit to get wet.
- Never allow children to insert foreign objects into holes or slots on the unit.
- Do not cover the ventilation with items such as tablecloths, curtains, etc. This may cause overheating.
- No naked flame sources, such as lit candles, should be placed on or near the unit.
- Do not expose the unit to dripping or splashing water, and no objects filled with liquids, such as vases, should be placed on or near the apparatus.
- Do not place the unit in closed cabinet without proper ventilation.

- If any malfunction occurred, please contact to your shopkeeper, do not attempt to repair radio yourself unless you are profession. Otherwise, this will cause irreversible damage to the radio and may damage the casing.

Battery

- The old battery should be recycled or disposed of in an environmentally friendly way as prescribed by your local regulations.

Cleaning

- Disconnect the unit from the mains supply before cleaning.
- Do not use any liquids or aerosol cleaners, as this may damage the unit. Use a soft, dust free cloth.

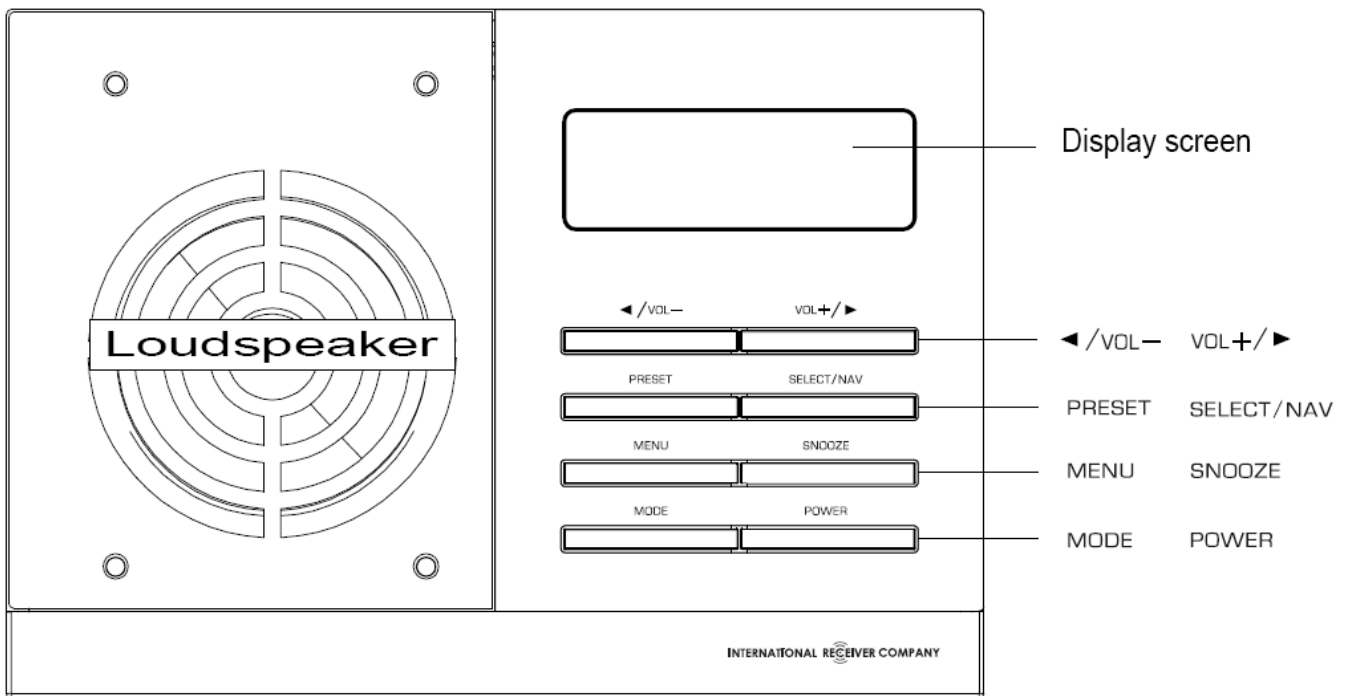
Servicing

- There are no user serviceable parts in the unit. When servicing, refer to qualified service person professional.
- Consult your retailer if you are ever in doubt about the installation / operation / safety of the product.

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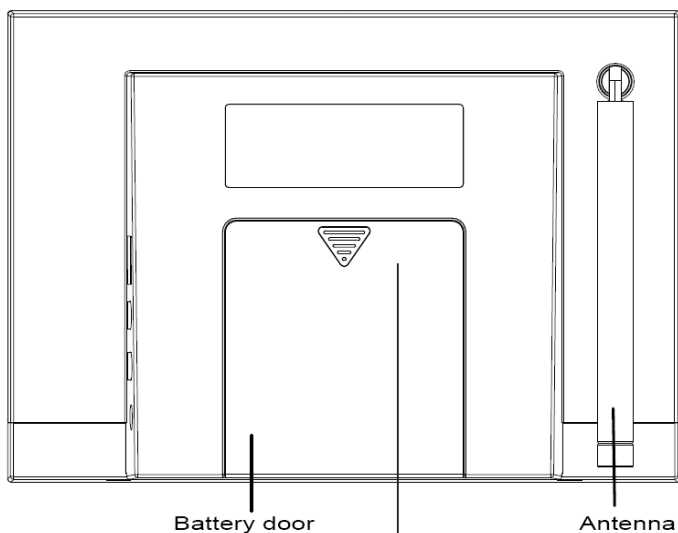
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Front Overview

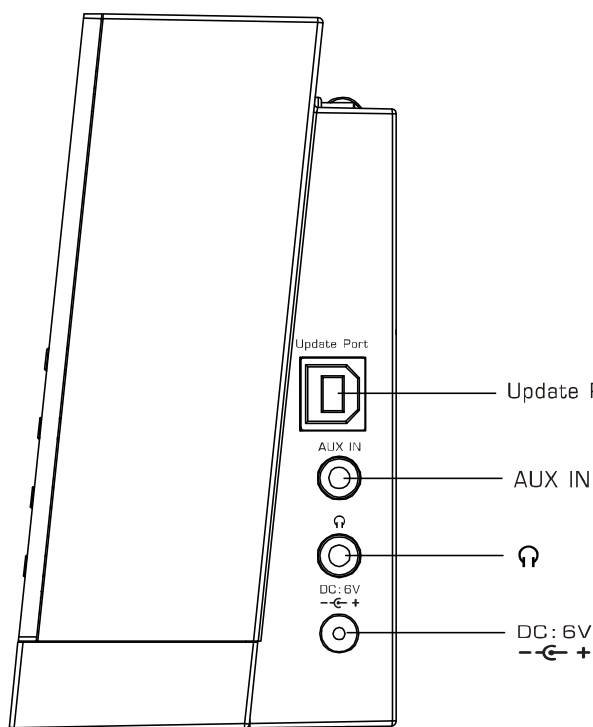


Control	All mode
POWER	Press to turn on/off Radio When alarm is coming, press to turn alarm off
MODE	Press to shift to another mode
MENU	Press to Main menu and system settings
◀/VOL-	* Press ◀/VOL- or VOL+/▶ to adjust volume level.
SELECT/NAV	* While in system setting like set time, set alarm etc. Press ◀/VOL- or VOL+/▶ to cycle through options, press SELECT/NAV confirm.
VOL+/▶	* FM mode: while frequency is showing up, press and hold ◀/VOL- or VOL+/▶ to auto-searching * When alarm is activated, press SELECT/NAV to postpone the alarm * Under normal condition, press SELECT/NAV to activate the navigate function of ◀/VOL- and VOL+/▶
PRESET	Press and hold to store presets options, press to recall
SNOOZE	Press to set snooze duration time

Unit Back and Side Overview



Downward push this triangle to open battery door



Note: please leave Upgrade Port to radio technician handle only.

1. Remove the cable from the power socket if any.
 2. Remove the battery compartment cover at the back of the radio.
 3. Fit 4 new batteries, referring to the markings inside the battery compartment.
- Note:** a. Please do not reverse any battery and do not mix battery types, also do not mix old and new batteries.
- b. If you won't use the radio for an extended period, please remove the batteries to avoid damage.
4. Cover the battery door.
 5. Press **POWER** to turn on the unit, battery operation will be selected automatically.

- When the battery indicator runs out of battery, it would be twinkling, this is a sign of new batteries is needed.
- The old battery should be recycled or disposed of in an environmentally friendly way as prescribed by your local regulations.

Getting Started

Carefully remove your **DAB+ Receiver** from the box. You may wish to store the packaging for future use.

In the Box

Inside the box you will find:

- DAB+ Radio (Main Unit)
- Power Adapter
- User Guide

Positioning your DAB Radio

Place your **radio** on a flat / stable surface that is not subject to vibrations.

Avoid the following locations:

- Where it is exposed to direct sunlight.
- Where it is close to heat radiating sources.
- Where the humidity is high and ventilation is poor.
- Where it is dusty.
- Where it is damp or there is a possibility of water dripping or splashing onto unit.

Adjusting the Antenna

The aerial should be extended to ensure good reception in both DAB and FM radio modes. It may be necessary to alter the position of the **RADIO** to achieve the best signal.

Using Headphones

You will require headphones fitted with a 3.5 mm diameter stereo plug. The Headphone socket is located on the back of this unit. Headphones are not supplied with this **DAB+ Receiver**.

Tuning On/Off

Connect the power adaptor to connect the DC Jack on the back of the unit. After this connection is made, insert the power adaptor into the wall outlet. Press **Power** to turn on the unit and press this button again to turn off the power.

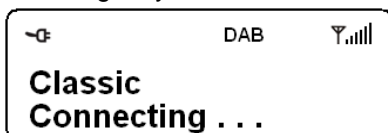
DAB MODE


Getting started

1. Extend antenna on the back of your radio. Press **POWER** to turn on the unit.



2. For initial use, it will conduct a full scan for auto searching and store all DAB+ and DAB Radio stations. The auto searching may take 1-2 minutes to complete, after all stations are stored, you will see:



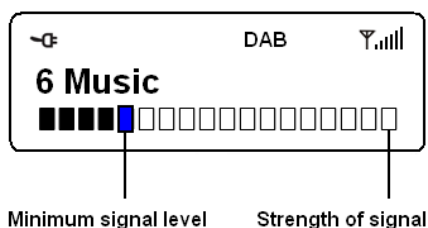
-  **Note:** 1. *the DAB+ stations will be displayed in alphanumeric order. The first station in the list will be selected.*
2. *If no DAB+ signal is found in your area, it may be necessary for you to relocate your radio.*

How to browse station information

1. Press **MENU**, while it indicates 'Display', press **SELECT/NAV** to confirm.
2. Press **◀/VOL- or VOL+ /▶** to cycle through options: 'Scrolling text', 'Signal strength', 'Program Type', 'Ensemble', 'Frequency', 'Bit rate and codec', 'Format', 'Time' and 'Date', press **SELECT/NAV** to confirm your selecting option.

How to Show the Signal Strength

1. Press **MENU**, while it indicates 'Display', press **SELECT/NAV** to confirm.
2. Press **◀/VOL-** or **VOL+/▶** to 'Signal strength', press **SELECT/NAV** to confirm, the LCD screen will display a signal bar to show the signal strength.



The indicator on the signal bar shows the minimum acceptable signal level.

Note: Stations with signal strength below the minimum signal level will not provide a steady stream of audio.

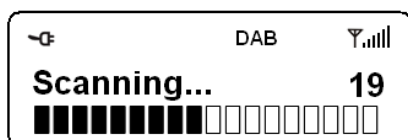
How to Shift to Other Program

While playing a DAB+, or DAB program, meanwhile, make sure there is no other setting is going on, the path of shifting to other program is:

1. Press **SELECT/NAV** to activate the navigate function of **◀/VOL-** and **VOL+/▶**.
2. Press **◀/VOL-** and **VOL+/▶** to browse station list.
3. While your favor program hop on, press **SELECT/NAV** to confirm.

How to Full scan

1. Press **MENU**, while it indicates 'Display', Press **VOL+/▶** 'Full scan', press **SELECT/NAV** to confirm.

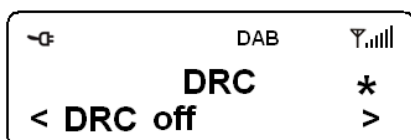


Then, the radio will scan all the channels and store all stations available.

How to Set DRC (Dynamic Range Control)

You can set the level of the compression of stations to eliminate the differences in dynamic range or sound level between radio stations.

1. Press **MENU**, while it indicates 'Display', Press **VOL+/▶** 'DRC', press **SELECT/NAV** to confirm.



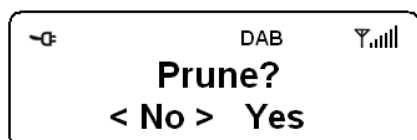
Note: a. Set DRC to **off** indicates no compression
b. Set DRC to **low** indicates little compression,
c. Set DRC to **high** shows maximum compression.

2. Press **◀/VOL-** or **VOL+/▶** to select DRC Mode and press **SELECT/NAV** to confirm.

How to Prune Stations Order

Note: doing this order, inactive stations will be removed from the station list.

1. Press **MENU**, while it indicates 'Display', press **VOL+/▶** to 'Prune', press **SELECT/NAV** to confirm.



2. Press **VOL+/▶** to 'Yes', press **SELECT/NAV** to confirm.

Setting Station Presets

Your radio can store 10 DAB+ & 10 FM station presets. To store presets:

 **Note:** this is the same for DAB+ and FM Radio stations.

1. While playing your favourite station, press and hold **PRESET** until it says 'Preset Store <1: (Empty)>'.
2. Press **◀/VOL- or VOL+/▶** to cycle through preset stations 1-10 and then press **SELECT/NAV** to confirm your preferred preset number, it would indicate 'Preset # stored'.

Selecting a Preset Station

To select a stored station:

1. Press **MODE** to shift to relative mode.
2. Press **PRESET**, it says 'Preset Recall <1: xxxxxx>'.
3. Press **◀/VOL- or VOL+/▶** to your preferred preset station, and then press **SELECT/NAV** to confirm.

FM MODE

1. Press **MODE** to switch to FM Mode from DAB Mode.
2. Once in FM mode, it will start at the beginning of the FM frequency range (87.50MHz). Or it will play the last FM station you were listening to.




How to Manually Scan

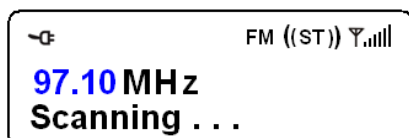
Make sure there is no other setting is going on, the path of manual scan is:


1. Press **SELECT/NAV** to activate the navigate function of **◀/VOL- and VOL+/▶**,
2. Press **◀/VOL- or VOL+/▶** to manually scan FM frequency.

How to Autoscan

 **Note:** in order to have your radio detect strong signal stations only, please refer below to set '**Scan setting**' to 'strong stations only' before you conduct 'Autoscan'.

1. Press **SELECT/NAV** to activate the navigate function of **◀/VOL- and VOL+/▶**,
2. Press and hold **◀/VOL- or VOL+/▶** to backward or forward scanning.




 **Note:** 1. The display will show the frequency changing until it stops on the next station.

2. After it reaches the end of the frequency range, it will go back to the start frequency.

Scan Setting

1. Press **MENU** and then press **VOL+/▶** to select **Scan Setting** menu, press **SELECT/NAV** to confirm.




 **Note:** if you choose **Strong Stations only**, the menu will show only the stations with strong signal strength, while **All Stations** means all detected stations will be shown.

2. Press **◀/VOL- or VOL+/▶** to select your preferred option, and then press **SELECT/NAV** to confirm.

Audio Setting

1. Press **MENU** and then press **VOL + / ►** to select **Audio Setting** menu, press **SELECT/NAV** to confirm.



 **Note:** if you choose **Stereo Allowed**, the sound output is stereo, while **Forced Mono** means the sound output is Mono.

2. Press **◀ / VOL -** or **VOL + / ►** to select your preferred option, and then press **SELECT/NAV** to confirm.

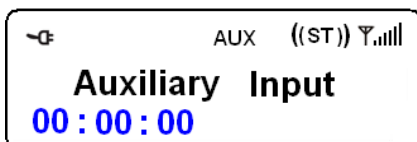
How to browse station information

1. Press **MENU**, while it indicates 'Display', press **SELECT/NAV** to confirm.
2. Press **◀ / VOL -** or **VOL + / ►** to cycle through options: 'Radio text', 'Program Type', 'PS', 'Audio info', 'Time' and 'Date', press **SELECT/NAV** to confirm your selecting option.

AUX IN MODE

AUX IN Operation Mode

1. Switch radio on.
2. Connect one end of cable lead to the headphone (or auxiliary out) socket of your source device, the other end connect to AUX IN socket on the rear of your radio.



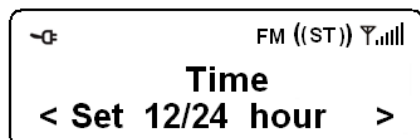
3. Now, your radio is ready to transform into a high quality digital audio speaker system.
4. To gain optimal volume levels, adjusting the output volume level on both the source device and your radio are recommended.

 **Note:** *AUX IN allows for quick and easy connection an MP3 player or other external sound sources.*

System setting

How to Set the Clock

1. Press **MENU** and then press **VOL + / ►** to select **Time** menu, press **SELECT/NAV** to confirm.



2. Follow your radio's instruction, configure the following parameters::
 - <Set 12/24 hour format>: '**Set 24 hour**' and '**Set 12 hour**'
 - <Set Time/date>: *Manually set-up both Time and Date*
 - <Auto update>: '**Update from DAB**' and '**No update**'
 - <Set date format>: '*MM-DD-YYYY*' and '*DD-MM-YYYY*'

How to Set Alarm


 **Note:** ensure that clock is set already.

1. Press **MENU** and then press **VOL + / ►** to select **Alarms** menu, press **SELECT/NAV** to confirm, it will say 'Alarm 1'.
1. To set alarm 2, continue step1, press **◀ /VOL- or VOL + / ►** to 'Alarm 2', now let's take set alarm 1 as example.
2. While your radio says 'Alarm 1', press **SELECT/NAV** to confirm.
3. Now 'Alarm 1 Setup' should be showing up, press **SELECT/NAV** to confirm, your radio will run into 'Alarm 1 Wizard'.
4. Follow your radio's instruction, configure the following parameters:
 - * **Alarm states:** Off/On, press **◀ /VOL- or VOL + / ►** to 'On', press **SELECT/NAV** to confirm.
 - * **On time:** 06: 00 (alarm sounding time)
 - * **Duration time:** 15/30/45/60/90 minutes (alarm sounding lasting time)
 - * **Source:** Buzzer/DAB/FM
 - * **Alarm sounds frequency:** Daily, Once, Weekends or Weekdays
 - * **Alarm volume:** press **◀ /VOL- or VOL + / ►** to your favor alarm volume, and then press **SELECT/NAV** to confirm, your radio will say 'Alarm saved'.

To Operate SNOOZE

- When Alarm is sound, press **SNOOZE** to postpone it.
 - Note that** snooze time can be changed by pressing **SNOOZE** to activate snooze setting function, and then press **◀ /VOL- or VOL + / ►** to view option, press **SELECT/NAV** to confirm your expecting snooze duration.
- While in SNOOZE function, the radio will go into standby mode and count down how long snooze will be elapsed, during this moment, you can press **POWER** to stop snooze, and press **POWER** again to have your radio play.
- When radio reached SNOOZE time, it should be sound again.

To Turn Off Alarm

-  **Note:** a. To turn alarm off temporary, while alarm is coming, press **POWER** is OK; To turn it off permanently, please follow below option b.
- b. you can simply follow below steps.

Refer above step 1-4 enter relative alarm setting, while **Alarm states: On** is twinkling, press **◀ /VOL- or VOL + / ►** to 'Off', press **SELECT/NAV** to confirm, and then follow your radio's illustration, until it indicates you 'Alarm saved', it is done!

How to Set Backlight

* Under Power On Mode

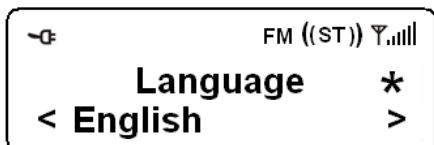
1. Press **MENU** and then press **VOL + / ►** to select **Backlight** menu, press **SELECT/NAV** to confirm, it will say 'Backlight <Power on>'.
2. Press **◀ /VOL- or VOL + / ►** to your preferred level, normally, for the convenience of sight, people enjoying 'High' level of Backlight for power on mode.
3. Press **SELECT/NAV** to confirm your choice.

* Under Standby Mode

1. Refer above step1, while it says 'Backlight <Power on>', press ◀/VOL- or VOL+/▶ to 'Standby', press **SELECT/NAV** to confirm.
2. Refer above step 2-3 setting it, you can also choose low to reduce any light disturbance in case you are staying in a dark room.


How to Set Language

1. Press **MENU** and then press ◀/VOL- or VOL+/▶ to select **Language** menu, press **SELECT/NAV** to confirm.




2. Press ◀/VOL- or VOL+/▶ to select your desired one, press **SELECT/NAV** to confirm.

How to Factory Reset

 **Note:** Doing this will reset and delete all the preset stations and return radio to its factory settings.

1. Press **MENU** and then press ◀/VOL- or VOL+/▶ to select **Factory Reset** menu, press **SELECT/NAV** to confirm.
2. Press ◀/VOL- or VOL+/▶ to select **YES** from 'Factory Reset? <No> Yes', press **SELECT/NAV** to confirm.

How to Software Upgrade

 **Note:** Please leave this to professional only, if your unconsciously pushed this order, please power up your radio again to have your radio back to normal working condition.

How to get SW Version

 **Note:** You can obtain the software version from this.

1. Press **MENU** and then press ◀/VOL- to select **SW version** menu, press **SELECT/NAV** to confirm, and then you get it!

Specification

Specifications	DAB, DAB+ and FM digital radio
Speaker power.....	0.5W
Frequency Range	FM: 87.5-108MHz DAB+: 174 – 240MHz
Earphone jack.....	32ohm
Frequency Response.....	80Hz to 20kHz (- +6dB)
LCD Display	High resolution display
Power Supply	AC Power Input: 100-240VAC, 50-60Hz <u>(please use our provided adapter)</u>
Dimension	169mm x 56mm x 120mm

International Receiver Company
+45 7026 2446 www.ircgo.com