

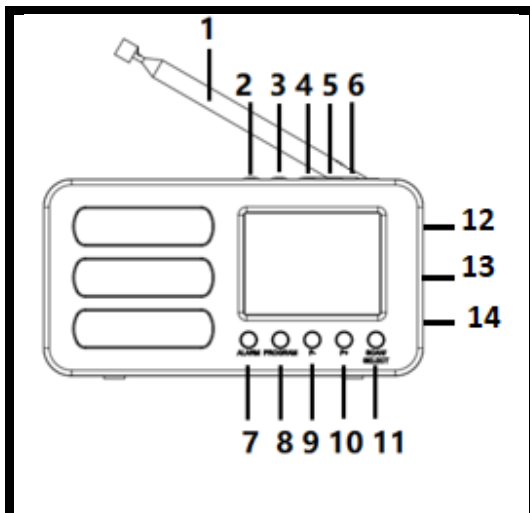
Radio DAB+/FM



Instruction manual


Please read the manual before your first use. Keep this manual safe for future reference!

1. PRODUCT DESCRIPTION



- 1. Antenna
 - 2. Volume down -
 - 3. Volume up +
 - 4. IN button*
 - 5. Menu button
 - 6. POWER/ MODE button
 - 7. Alarm button
 - 8. Program button
 - 9. Prev button (P-)
 - 10. Next button (P+)
 - 11. SCAN/SELECT button
 - 12. Earphone jack
 - 13. Reset hole
 - 14. USB port
- 4* Information about the radio station

2. BATTERY CHARGING



1. Connect the mini USB end of the USB charging cable to the USB port of DAB+/FM radio. Connect the other end to the USB port of computer.
2. A battery symbol  displays on the screen, indicating the radio is charging.

Charging time for full charge (Computer): About 4/ 5 hours – At the end, remove the USB cable.


3. OPERATION

3.1 BASIC FUNCTIONS FOR DAB+ and FM

3.1.1 Turn on or off:

1. To turn on, press and hold “POWER/ MODE”  button for 4 seconds.
2. To turn off, press and hold “POWER/ MODE”  button for 4 seconds.

3.1.2 MODE function:

Press “POWER/ MODE” button  repeatedly to toggle between the different modes below:




3.1.3 Adjusting the volume: V+ / V-

1. Press **Vol+** or **Vol-** to increase or decrease the volume level.
2. To increase or decrease progressively, press and hold **Vol+** or **Vol-**.

Earphones (not included)

- Insert the earphones (non inclus) into the earphone jack for using.
- Ensure that the volume is not too loud before using your earphones.




	To avoid possible hearing damage, do not listen at high volume levels for long periods.
	Make sure to adjust the volume to a sound level that best fits your hearing sensitivity.


3.1.4 Changing stations : P+ / P-

In DAB+ mode or FM mode:

1. Press **P+** or **P-** to scroll up and down the station list.
2. Press “SCAN/ SELECT” to listen to the selected radio station.

MEANING OF ICONS

	= State of signal strength
-------------------------------------------------------------------------------------	----------------------------

	= Programme station broadcast in Stereo
-------------------------------------------------------------------------------------	-----------------------------------------

IMPORTANT REMARKS ON DAB and FM:



- **Pull out the antenna completely before scanning.**
- On first use, if no DAB or FM stations are preset, the radio will do a scan after switching to DAB or FM mode.
- The radio can store up to 20 DAB and 20 FM stations.
- Signal strength can be reduced in very built-up areas, in basements, and inside buildings with walls made of materials such as thick stone or reinforced concrete. **Placing the radio near a window can help, and reception may be better upstairs than downstairs.**
- If you have moved your radio to another location e.g. go on holiday, do a local scan before using it.
- Some areas may not be covered by DAB+ signal. To make sure that DAB+ coverage exists in your area, check on the Internet about information on DAB+ reception in your area.
- As additional DAB+ stations and services regularly become available, carry out a scan every now and then to get an updated station list stored in memory of your radio.
- If an existing DAB station is already stored under the chosen preset number, it will be overwritten when storing the new DAB one. When storing DAB radio station presets, these do not overwrite your FM station presets. Both remarks can be also applied to FM stations.

3.2 USING YOUR DAB+ RADIO

3.2.1 Full scan

In DAB mode:

1. Press and hold "**SCAN/ SELECT**" button for 4 seconds to carry out a full scan of local available DAB+ stations. When scanning, the radio displays the number of stations found. Once finished, the radio tunes to the displayed station and begins to play.
2. Press **P+** or **P-** to get the list of DAB+ stations scanned.
3. Press **P+** or **P-** to scroll through the different stations.
4. Press "**SCAN/ SELECT**" to listen to the selected radio station.
5. Rotate the antenna and/ or alter the position of radio to achieve the best reception.

NOTES :

If the radio fails to find stations or no stations can be received currently, do the scan again in another place.

Full scan can also be **operated with the menu**. See section **3.2.5: DAB Menu setting and 3.2.5.1: Full scan**.

3.2.2 DAB+ display information

When listening to a DAB+ station, strongly press **IN** button repeatedly to display its different types of information if available: program type (describes type of music being broadcast: Rock, Classical, etc.), error rate of strength signal, frequency, etc.

3.2.3 Storing a DAB+ station preset

1. In DAB mode, tune your radio to the station you wish to store.
2. Press "PROGRAM" button to get the preset list.
3. Press and hold "**PROGRAM**" for 3 seconds. The message "**Preset store**" displays.

4. Press **P+** or **P-** to select a preset number you wish allot to the station (for instance : **01. (EMPTY)**).
5. Then, press "**SCAN/ SELECT**" button to save. The message "**PRESET 01 is stored**" displays and the radio goes back to the progamme station; a star with the preset number displays, at bottom of display in the middle.
6. Repeat steps 1 to 6 to store another station.

Note: To exit storage mode, press "**PROGRAM**".

3.2.4 Preset list

To listen to your favourite radio station stored:

1. Press "**PROGRAM**" to get the preset list.
2. Press "**P+**" or "**P-**" to select.
3. Press "**SCAN/ SELECT**" to listen.
4. Repeat steps 1 to 3 to listen to another one.

Note: If you chose a preset number with mention (EMPTY), which means no radio stored, the radio will play the previously selected radio station.

3.2.5 DAB MENU SETTING

In DAB mode:

1. Press **M** button to enter DAB menu list.
2. Press **P+** or **P-** to scroll up or down the menus.
3. Press "**SCAN/ SELECT**" to select and enter the desired submenus or options.

Note: If you want to exit from menu, press **M** button.

The menu DAB list is as below:

FULL SCAN - **MANUAL TUNE** - **DRC** - **PRUNE** - **TA** - **SYSTEM**

3.2.5.1 Full Scan

After proceeding with steps 1, 2 and 3 (selection: full scan) mentioned above, the radio will carry out the full scan. Refer to steps 2, 3, 4, 5 and 6 indicated in "**3.2.1: Full scan**" to operate the radio.

3.2.5.2 Manual Tune

After entering "**Manual tune**" menu, you will get the list of different channel frequencies from "5 A" to "13F".

1. Press **P+** or **P-** to scroll up or down the list of frequencies.
2. Press "**SCAN/ SELECT**" to select and start scanning operation. **Adjust antenna or move radio to another place or room to get the strongest signal for that channel and facilitate progress of scan.**
3. Once search is completed, the radio will begin to play.

Notes: In case radio failed to receive the signal, press **P+** or **P-** to exit and select another channel frequency.

3.2.5.3 DRC (Dynamic Range Control)

« DRC » is intended to control the sound or noise when listening in a noisy environment.
Note: This function may not be available on some DAB+ stations.

After entering DRC menu:

1. Press **P+** or **P-** to choose among the 3 DRC options below :

DRC Off	DRC Low	DRC High
No compression (default setting)	Medium compression	Maximum compression

2. Press “**SCAN/ SELECT**” to confirm.

3.2.5.4 PRUNE

This option menu allows you to remove DAB+ stations which cannot be received in your area from the station list. They are identified with the question mark prefix: “?”. After pruning operation, they will be no longer displayed.

After entering the PRUNE menu:

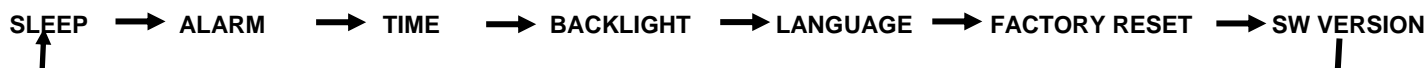
1. Press **P+** or **P-** to select “Yes”.
2. Press “**SCAN/ SELECT**” to prune the station list.

3.2.5.5 TA (To get information about traffic Information)

After entering TA menu, either press “ON” or “OFF”.

3.2.6 SYSTEM MENU (in DAB or FM MODE)

Setting sequence is as below:



System menu can be accessed either in DAB or FM mode to set the submenus listed above.


3.2.6.1 TIME MENU

MANUAL TIME AND DATE setting and **AUTOMATIC UPDATE OF TIME AND DATE** should be carried out from the system menu either in DAB mode or in FM mode. This DAB radio can automatically synchronize its clock with a DAB or FM radio station that transmits time signals after performing an update. See section: 3.2.6.3: Automatic update of time.


Note: The accuracy of the time depends on the DAB radio station.

3.2.6.2 ENTERING TIME MENU

To enter time menu, proceed as below:

1. Press **Power/Mode**  button repeatedly to switch to DAB or FM mode.
2. Press Menu button to enter menu.
3. Press **P+** to scroll down and to select « **SYSTEM** ».
4. Press “**SCAN/ SELECT**” to enter.
5. Press **P+** or **P-** to scroll up and down and select “**Time**”.

Notes:

- The options proposed are the following: **“Set time and date”/ Auto update/ Set 12/ 24 hour/ Set date format.**
- After selection of some options, the green star icon  displays beside the chosen option.
- Note: To update the time automatically or set time manually, see next sections.

3.2.6.3 AUTOMATIC UPDATE OF TIME

After entering time menu (follow steps 1 to 5 below in section 3.2.6.2: Time menu if you still have not entered the menu), proceed as below:

1. Press **P+** or **P-** to scroll up and down and select **“Auto update”**.
2. Press **“SCAN/ SELECT”** to enter.
3. Press **P+** or **P-** to choose from which option the update should be done:

Update from any	Update from DAB	Update from FM	No update
------------------------	------------------------	-----------------------	------------------

4. Press **“SCAN/ SELECT”** to confirm.

Note: The next time you will do the scanning, the update will be done according to the selected option.

3.2.6.4 MANUAL TIME SETTING

After entering time menu (follow steps 1 to 5 in section 3.2.6.2: Time menu if you still have not entered the menu), proceed as below:

1. Press **P+** or **P-** to scroll up and down and select **“Set Time/ Date”**.
2. Press **“SCAN/ SELECT”** to enter. The hour digit will flash.
3. Press **P+** or **P-** to adjust.
4. Press **“SCAN/ SELECT”** to confirm.
5. Repeat steps 2 and 3 to set the minutes, day, month and year.
6. After setting the year, the message **“TIME SAVED”** displays.

3.2.6.5 12/ 24 HOUR FORMAT SETTING

After entering time menu (follow steps 1 to 5 in section 3.2.6.2: Time menu if you still have not entered the menu), proceed as below:

1. Press **P+** or **P-** to scroll up and down and select **“Set 12/ 24 hour”**.
2. Press **“SCAN/ SELECT”** to enter.
3. Press **P+** or **P-** to choose 12Hr or 24Hr.

3.2.6.6 DATE FORMAT SETTING

After entering time menu (follow steps 1 to 5 in section 3.2.6.2: Time menu if you still have not entered the menu), proceed as below:

1. Press **P+** or **P-** to scroll up and down and select **“Set date format”**.
2. Press **“SCAN/ SELECT”** to enter.
3. Press **P+** or **P-** to choose **“DD-MM-YYYY”** or **“MM-DD-YYYY”** *.

* D=Day, M= Month, Y=Year

3.2.6.7 ALARM MENU

You can set 2 alarms: Alarm 1 and Alarm 2.

After entering Alarm menu, "Alarm 1 setup" displays.

1. Press P+ or P- to select Alarm 1 or Alarm 2.
2. Press "SCAN/SELECT" to enter. The hour digit starts flashing.
3. Press P+ or P- to set the hour digit.
4. Press "SCAN/SELECT" to confirm and switch to the minute digit, which starts flashing 2/ 3 seconds later. Repeat step 3.

NOTES:

When the alarm sounds:

- To STOP IT, press alarm button.
- To ACTIVATE SNOOZE FUNCTION, press any button except ALARM button. 9 minutes later, the alarm will sound. Repeat SNOOZE by activating it as indicated above.
- If you set alarms 1 and 2 in a close time interval of less than 10 minutes, it will not be possible to repeat alarm 1. Only SNOOZE of alarm 2 could be activated and taken into consideration if you activate SNOOZE several times.

5. After setting the minutes, you will have to set one after the other the following alarm options: Duration, Source, Cycle, volume and alarm. For each one, the process is the following: press P+ or P- to select or set. Press "SCAN/ SELECT" to confirm and switch to other menu options: See below for details.

ALARM RINGING DURATION (in minutes)				
15	30	45	60	90

SOURCE (Alarm sound)		
Buzzer	DAB	FM
For these 2 options, only the last programme station listened is proposed. Press "SCAN SELECT".		

CYCLE (Alarm occurrence)			
Daily	Once	Weekends	Weekdays
	After choosing this option, set the date under the format: Day – Month – Year.		

VOLUME
Press P+ to increase or P- to decrease from 4 to 16. Note: You cannot decrease below 4.

ALARM (Activation/ Deactivation)	
ON	OFF

3.2.6.8 BACKLIGHT



This menu enables the setting of duration of light with the option “TIMEOUT”, setting of brightness level and activation/ deactivation control of the brightness level with options “ON LEVEL” and “DIM LEVEL”. For example, if you select “10 seconds” for “TIMEOUT” and select “ON LEVEL” and “HIGH”, high brightness set will be immediately on for about 10 seconds. However if you select “DIM LEVEL” and “HIGH”, it will be on about 10 seconds later.

After entering time menu (follow steps 1 to 5 in section 3.2.6.2: Time menu if you still have not entered the menu), proceed as below:

1. Press **P+** or **P-** to scroll up and down and select “**Backlight**”.
2. Press “**SCAN/ SELECT**” to enter.
3. Press **P+** or **P-** to select desired option among “**Timeout**”, “**On level**” and “**Dim level**”.
4. Press **P+** or **P-** to set. See the tables below for details
5. Press “**SCAN/ SELECT**” to confirm.

TIMEOUT (setting of backlight duration in seconds)								
10	20	30	45	60	90	120	180	ON
ON LEVEL								
High		Medium			Low			
DIM LEVEL								
High		Medium			Low			

3.2.6.9 OTHER SUBMENUS OF SYSTEM MENU

After entering time menu (follow steps 1 to 5 in section 3.2.6.2: Time menu if you still have not entered the menu), proceed as below:

1. Press **P+** or **P-** to scroll up and down and select the desired sub-menu among the following: “**Sleep**”, “**Language system**”, “**Factory reset**” and “**SW version**”.
2. Press “**SCAN/ SELECT**” to enter.
3. Press **P+** or **P-** to select.
4. Press “**SCAN/ SELECT**” to confirm.

3.2.6.9.1 SLEEP MODE

You can set your radio to turn off automatically using the sleep timer among the durations below:

Sleep off	15 mn	30 mn	45 mn	60 mn	90 mn
-----------	-------	-------	-------	-------	-------

3.2.6.9.2 LANGUAGE SYSTEM

See procedure in section 3.2.6.9: “OTHER SUBMENUS OF SYSTEM MENU” and options below.

English	German	Italian	French
---------	--------	---------	--------

3.2.6.9.3 FACTORY RESET

FACTORY RESET (Activation/ Deactivation)	
YES	NO
“Restarting” displays on the screen. The radio starts carrying out the full scan. After it finishes, it switches to DAB radio whatever you are in FM or DAB menu.	

3.2.6.9.4 SW VERSION= Information about software version.

This option does not need to be set.

3.3 USING YOUR FM RADIO – FM MODE

Press the Power/Mode button repeatedly to switch to **FM mode**.

3.3.1 Manual tune

1. Extend the telescopic antenna.
2. Press and hold either P+ or P-. Once the radio searches for a station, release the button. The scan stops when a station is found. The radio will tune to the displayed station and begin to play.
3. If the quality reception is bad, fine tune the frequency by pressing either P+ or P- to advance or decrease by 0.05MHz with each press.

3.3.2 Scan setting for FM stations

1. Press and hold “**SCAN/ SELECT**” to start scanning.
Note : When scanning, the number of radio stations found displays at the bottom of LCD display, with a white star.
2. When the scan is finished, the radio tunes to the displayed station and begin to play.
3. To get the previous or next radio station, press and hold **P-** or **P+**. Once the radio searches for a station radio scanned, release the button. The radio will stop to the preset station. Do the same procedure to get another preset station.

3.3.3 Listening to FM station presets from the preset list

1. Press “PROGRAM” to get the preset stations list, named "Preset Recall". All frequencies or names of preset stations to which a number was allotted from 1 to 20 display.

Note: “**Preset Empty**” will display if you choose a preset number that hasn’t been allotted a station.

2. Press P+ or P- to select the desired preset station.
3. Press “SCAN/ SELECT” to listen.

3.3.4 Storing a FM station preset

1. In FM mode, tune your radio to the station you wish to store.
2. Press “PROGRAM” button to get the preset list.

3. Press and hold **"PROGRAM"** for 3 seconds. The message **"PRESET STORE"** displays.
4. Press **P+** or **P-** to select a preset number which you would like to allot to the station (for instance : **01.**).
5. Then, press **"SCAN/ SELECT"** button to save. The message **"PRESET 01 is stored"** displays and the radio goes back to the radio station.
6. Repeat steps 1 to 6 to store another station.

Note: To exit storage mode, press **"PROGRAM"**.

3.3.5 FM display information

When listening to a FM station, press **"IN"** repeatedly to scroll through the following information (if available): Radio text (scrolling text broadcast by the station), Program type (describes type of music that is being broadcast e.g. Rock or Classical), Programme station name or station frequency if no name is broadcast, audio mode: stereo or mono, current time and date.

3.4 FM MENU SETTING

3.4.1 Scan setting for FM stations

This function allows you to tailor which stations will be detected when performing a scan.

1. In FM mode, press Menu to enter FM menu list.
2. Press **P+** or **P-** to select **« SCAN SETTING »**.
3. Press **« SCAN/ SELECT »** to enter.
4. Press **P+** or **P-** to either select **« All stations »** (scanning of all stations with strong or weak signals) or **« Strong stations only »** (scanning of stations with strong signals only).

3.4.2 Audio setting (Stereo/ Mono)

1. In FM mode, press Menu to enter FM menu list.
2. Press **P+** or **P-** to scroll up and down and select **« SCAN SETTING »**.
3. Press **« SCAN/ SELECT »** to enter. Two options : **« Stereo allowed'** (only stations with strong enough signal broadcasting in stereo will be played) and **« Forced mono »** (ALL stations in mono regardless of the availability of a stereo signal will be played.) are proposed.
4. Press **P+** or **P-** to select the desired option.
5. Press **« SCAN/ SELECT »** to confirm.

4. RESET

In case of dysfunctioning, insert the tip of a pen inside the reset hole to reset the radio.

5. TROUBLE SHOOTING GUIDE

Problem	Reason(s)	Solution(s)
No Power	Power/ Mode button is OFF. Battery is flat	Press and hold Power/ Mode button to turn on. Recharge battery.
Desired station not found	Weak signal Station not available in your area	Use the manual tune function

The display is blank	This may occur if the broadcaster changes the label of a service or removes a label while tuned.	The unit will try re-tune. If not perform a new scan
I can hear a sizzle on audio on some stations	Battery power is low. weak signal	Recharge the battery. Try re-positioning the antenna or/ and alter position of radio.
No sound	Volume set to minimum	Increase the volume level

6. WARNINGS

1. Keep away from sources of heat, direct sunlight, humidity, water or other liquids.
2. Do not operate it under high temperature.
3. Do not immerse in water.
4. Do not subject it to strong impacts and do not throw it.
5. Do not drop, short-circuit, modify, disassemble or puncture it.
6. It is not a toy. Keep out of reach of children.
7. In case of abnormalities (bulge, heat, etc.) during charging, disconnect USB connector, stop using it and take it to a qualified technician.
8. Do not try to repair your radio. All the repairs must be made by a qualified technician.
9. Disconnect it from USB connector after completion charge.

7. SAFE INSTRUCTIONS FOR BATTERY

ATTENTION

- Lithium-ion batteries can easily rupture, ignite, or explode when exposed to high temperatures, or direct sunlight.
- Do not disassemble or modify the battery. The battery contains safety and protection devices, which, if damaged, may cause the battery to generate heat, explode or ignite.
- The battery should not be removed until it is not completely discharged.
- The battery must be removed from the appliance before it is scrapped.
- The appliance must be disconnected from the mains supply when removing the battery.
- Do not plug the device after removing the battery.
- The battery must be disposed safely.

To get access to the battery, unscrew the seven screws at the back. Open the lid. Spot the battery and cut the wire to remove it.

8. TECHNICAL SPECIFICATIONS

Power Supply (USB charge)	DC5V, 1A
Battery	1 x 18650 Li-ion battery , 3.7V, 2000mAh
<u>Frequency range</u>	
DAB	174 MHz- 240 MHz
FM	87.5 MHz- 108 MHz

9. MAINTENANCE

- Clean only with a dry cloth.
- It is important that no liquid reaches the inside of the unit.

WARNING: You should not dispose of this device with your household waste. A selective collection system for this type of product is implemented by your local authorities. Please contact your local authorities to find out how and where collection takes place. These restrictions apply because electrical and electronic devices contain dangerous substances that have harmful effects on the environment or on human health and must be recycled.

This symbol indicates that electrical and electronic devices are collected selectively. The symbol shows a waste container crossed out with an X symbol.

If the power cable is damaged, it must be replaced by the manufacturer, its after-sales service, or a person qualified in this area in order to avoid accidents.

Imported by EML/ Prodis 1 rue de Rome 93110 Rosny-sous-Bois-France/ Made in PRC
Marketed by EUROTOPS VERSAND GMBH D-40764 LANGENFELD