User Manual For Multi-Functional Emergency DAB+/FM radio. BT player

Thank you for your purchase. Before using, please read this User Manual carefully and keep it properly for future reference.

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1 : Product Features And Functions:

1.1 : This product uses software programming to realize digital display DAB+/FM broadcast reception, with anti-noise, anti-interference and other advantages.

1.2 : Realize Bluetooth playback function.

1.3 : Built-in 10000mAh large-capacity battery,And has a variety of emergency functions :

Support solar charging,hand generator charging, support dry battery power supply, SOS alarm can be enabled, can use the flashlight light/reading lamp, can be used as a charging treasure,With IPx6 waterproof, it is an emergency product that can be prepared at home,and also an emergency product that can be carried when playing outdoors.

1.4 : Using COG LCD display,The display content is plentiful and gives the user clear instructions。Support backlight for user in the dark.

1.5 Four languages are supported:English,Deutsch,Italiano,Franais.

1.6 : This product has high reception sensitivity and uses six pull rod antennas that can rotate 360 degrees.

1.7 : The product uses Φ40MM 4Ω 3W speaker, the sound is loudly and clearly.

1.8: Product support time display,Available in 12/24 hour format.

1.9 : Product support setting sleep time: 15 / 30 / 45/60/ 90 (minutes) (can be optionaled)

1.10: Product support setting alarm time.

1.11: Radio search station mode support: Rotary manual search station / Automatic scanning automatic storage station, and you can pre-store three commonly used stations.

1.12：The product supports 3.5mm earphone audio output playback.

1.13：Support factory Settings restoration.

1.14: set up three-way switch (lithium switch selection, power off switch selection, dry battery switch selection),can save electricity more effectively.

This product is a multi-functional radio, I hope it can not only bring you the infinite fun of radio receiving waves, but also bring help to more people.

2：Matters need attention:

Before use, ensure that you follow the following basic safety tips to ensure the safe and reliable use of the product：

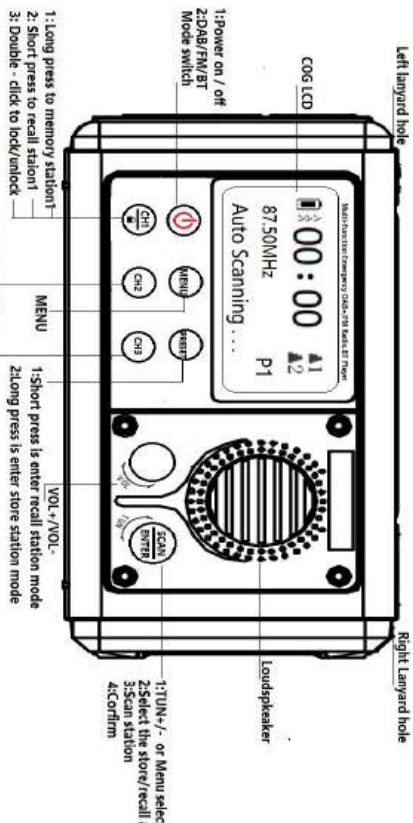
- Read and understand all safety guidelines and usage information.
- Battery symbol:"▯"space symbol:Indicates that the battery is low,In order to avoid affecting normal use, please charge the machine or replace the new dry battery in time.
- If you do not use it for a long time, charge it once a month. If not used for a long time, you can pull the power push switch to "OFF" to turn off the power and prevent battery power consumption.
- if the battery is too low because it is not used for a long

time, please enable the hand crank to charge for 5-10 minutes before use to activate the lithium battery.

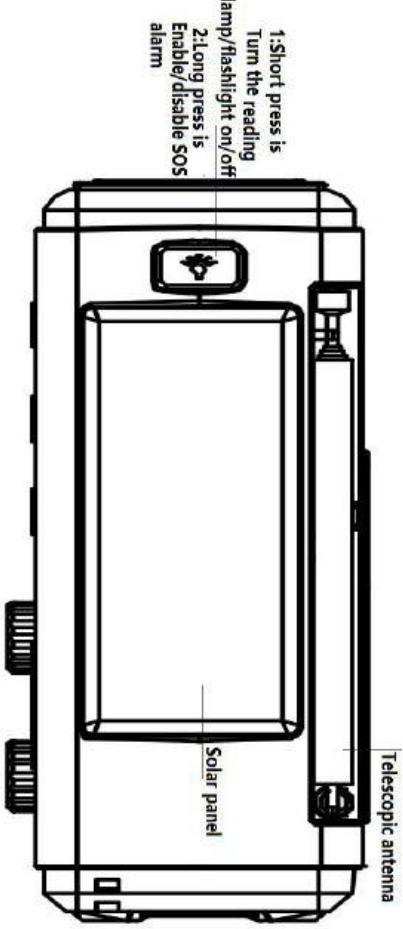
- It is recommended to charge a charging device with an output voltage of DC5V/1A-DC3A to avoid damage to the lithium battery or device.
- Do not expose this product to rain, moisture, dripping or splashing of any liquid.
- Do not let this product near high temperature heat source, do not barbecue or blow bake at high temperature
- Do not place in direct sunlight for a long time.
- Do not allow this product to fall or be hit or put heavy pressure on it.

3:Appearance Button Function Diagram:

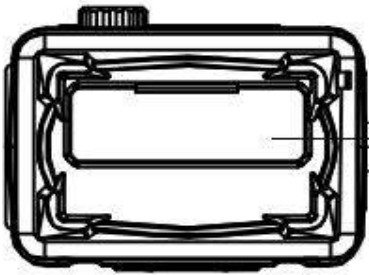
Front :

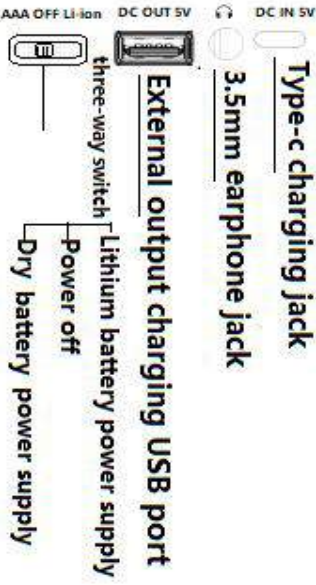


Top :

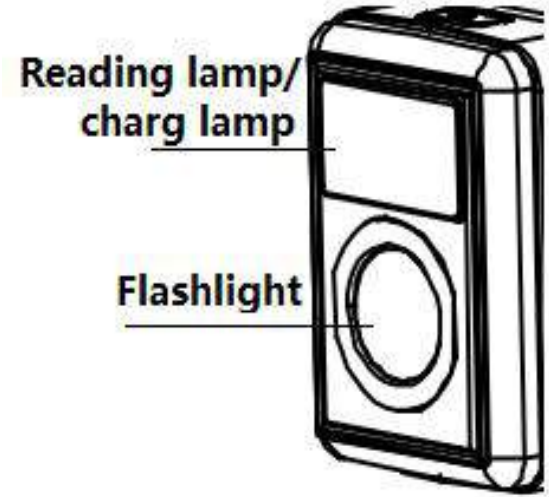

1:Short press is
Turn the reading
lamp/flashlight on/off
2:Long press is
Enable/disable SOS
alarm
Solar panel
Telescopic antenna

Right Side：

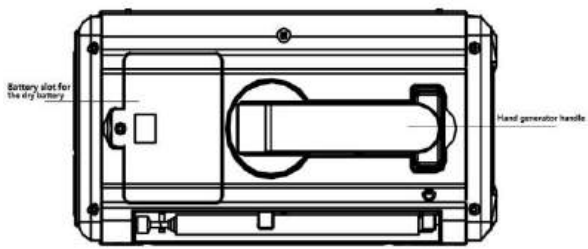

Dustproof plug


AAA OFF Li-ion
DC OUT 5V
DC IN 5V
Type-c charging jack
3.5mm earphone jack
External output charging USB port
three-way switch
Lithium battery power supply
Power off
Dry battery power supply

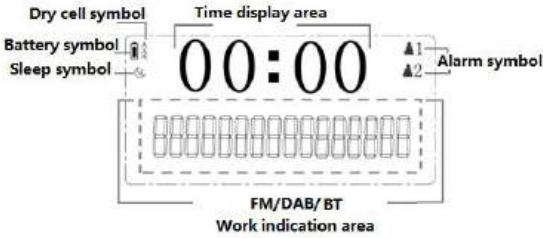
Left Side :



Bottom :



4:COG LCD Description of display symbols :



5 : Power on/off :

Power supply: Built-in 10000mAh lithium battery/dry battery (3x1.5VAAA)

installing dry battery: After open the battery slot with a screwdriver, install three 1.5VAAAx3pcs dry battery according to the positive and negative polarity.

Turn on the radio :

This product factory default is : turn off the power, after receiving this product, please open the dustproof plug on the right side of the radio, push the power switch to [Li-ion], choose lithium battery power supply.

If there are 1.5VAAAx3pcs dry battery installed, you can also push the power supply to [AAA] and choose dry battery supply.

As following picture shows：

After turning on the power switch, displayed time status. If you do not press any button, the time display about 1 minute , screen is turned off , and the power saving mode is in . You can press【⏻】/【MENU】/【PRESET】/【CH3】button to Turn on the time display

Time display status,short press【⏻】button,turn on the radio.

After 1 minute, enter to power saving mode . long Long press【⏻】button,turn on the radio.

press 【⏻】button,turn off the radio, LCD display : Standby symbol.

Tip: For the first time, it is recommended to fully charge the radio before using

6 : Select work mode :

This product supports the following modes of operation

DAB　FM　Bluetooth

Power-on status , short press【⏻】button switch work

mode.
DAB Frequency range ：168.000-240.000MHz
FM Frequency range：87.5-108MHz (Minimum step value：0.05MHz)
Bluetooth connection name ：H907

7：Volume adjustment：

clockwise rotating 【 】button,volume increment.
3Counterclockwise rotating【 】button,volume decrement.

8： ：Mute/Pause

DAB/FM working mode:short press【 】button,enter mute status,LCD display MUTE.
Bluetootn working mode:short press 【 】button,enter pause status,LCD display PAUSE.
Short press 【 】button again,cancel the MEUT or PAUSE,Resume the normal working state.

9：DAB mode work introduction：

Each time switch to the DAB working mode, will automatically enter the automatic DAB signal search mode first.
Long press 【MENU】 to enter the menu selection:

9.1:<Full scan>:long press 【 】button,all frequency points are searched, and all the programs found are sorted in the dictionary of Short lable and saved in sequence in the list of DAB programs;

If the DAB program list is empty, DAB mode will always be displayed in DAB menu mode.

9.2：Manual tune：The station is searched for a certain frequency point selected by DAB.

after press 【 SCAN/ENTER 】button,enter the frequency point selection of DAB,rotate 【 SCAN/ENTER 】button selecting the frequency point, press 【 SCAN/ENTER 】button again to enter the manual search state, and then display shows the signal strength of the frequency point,press 【 MENU 】button or press【 SCAN 】 button , exit the search.

9.3：DRC（Dynamic range control ）：Adjust DAB dynamic range.There are three levels: off, low, and high. Rotate the 【 SCAN/ENTER 】button to select item, press the 【 SCAN/ENTER 】confirm it. there is a '*' mark in the upper right corner.

9.4 :Prune（Clear the DAB program list of invalid programs）:

It is equivalent to clearing programs with no signal after Full scan.

Rotate the 【 SCAN/ENTER 】button to select item, press the 【 SCAN/ENTER 】confirm it.

9.5：Announcement,

Press the 【 SCAN ENTER 】button to enter the item,rotate the 【 SCAN ENTER 】 button to select the item,press the 【 SCAN ENTER 】 confrim it.

on：open the annoucement
No TA：No traffic broadcast
Only TA：only opent the traffic broadcast
off：close all annoucement

9.6：Manual storage station method:

After the above manual search to the target frequency, long press 【PRESET】button, LCD display [Preset Store< 1: xx.xxMHz] symbol,within five seconds,rotate the 【 SCAN ENTER 】 button Select the storage address number,press 【 SCAN ENTER 】 button confirm.Complete storage station.

9.7：Recall station operation：

After manual storage stations,Short press【PRESET】button , LCD display "Preset Recall<1: **** >",rotote the 【 SCAN ENTER 】 button select the recall number, press the【 SCAN ENTER 】 button confirm.

9.8：Store 3pcs favourite channel:

store 3pcs favourite channel shortcuts：

Search for commonly used radio stations,long press 【CH1】/【CH2】/【CH3】button,LCD display 【 Preset * stored】

Recall favourite channel shortcuts:

Shourt press【CH1】/【CH2】/【CH3】button ,The station can be removed quickly.

10：FM mode work introduction：

10.1：Setting sensitivity setting<Scan setting>:

On FM mode,long press【MUNE】button enter MUNE item, rotate 【 】button to elect <Scan setting>,short press the 【 】button enter item.rotate 【 】button

To elect:

-All stations(high sensitivity),stop the station around 15dB.

-Strong stations only(low sensitivity),stop the station around 19dB

Press the 【 】button cofirm the final choice.The top right corner is marked '*'symbol.

10.2: Searching for radio stations methods：

Rotary manual search station / Automatic scanning automatic storage station

Rotary manual search station：

Fm work mode,Rotate clockwise/counterclockwise the 【 】button,frequency by step value: 0.05MHz increase / decrease.

The rotation 【 】 button can be quickly turned and then let go, and the radio can enter the function of automatically searching for stations with signals.LCD display"scanning...".

Automatic scanning automatic storage station:

Method 1:FM work mode:long press 【 】2 seconds,enter to automatic scanning automatic storage station,LCD display"Auto Scanning...". after a round of searching stations is completed, the search automatically stops and the first station is played

Method 2 :Long press【MENU】button 2 seconds,LCD display,

＜Auto Scan＞,press【 】enter to automatic scanning automatic storage station,LCD display"Auto Scanning...".
after a round of searching stations is completed, the search automatically stops and the first station is played
10.3:Manual radio storage method：
After the above manual search to the target frequency ,long press【PRESET】 button，LCD display【Preset Store< 1：xx.xxMHz】symbol,within five seconds,rotate the【 】buttonSelect the storage address number,press【 】button confirm.Complete storage station
10.4：Recall station operation:
Above storage stations ,shprt【PRESET】button ,LCD display【Preset Recall 1:xx.xxMHz】，Rotate clockwise/counterclockwise【 】button,after of selection,press 【 】button for confirm.
10.5 :Store 3pcs favourite channel:
store 3pcs favourite channel shortcuts：
Search for commonly used radio stations,long press【CH1】/【CH2】/【CH3】button,LCD display 【 Preset * stored】
Recall favourite channel shortcuts:
Shourt press【CH1】/【CH2】/【CH3】button ,The station can be removed quickly.

11：About System instroduction：

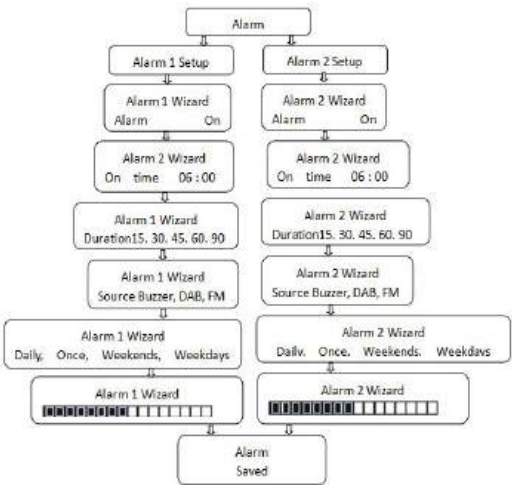
Power-on or Time display status,Long press【MENU】button to enter menu item mode,rotate【 】button select these items of following.press 【 】button enter into system setting:
11.1：Sleep:rotate the【 】button,can be selected:15/30/45/60/90/off(unit:minute),Press the 【 】

button confirm after selection.LCD display symbol.

11.2：Alarm：rotate the 【SCAN/ENTER】button,can be setted two sets of alarm clocks.

After setting the alarm time, press the 【SCAN/ENTER】 button to confirm

The following is displayed as prompted，rotate the【SCAN/ENTER】butoon to selecting menu item.press the 【SCAN/ENTER】button confirm.



11.3 :Time :rotate the【 】button,the following menu can be setted.

Time<set Time/Date>

Time<Auto update>

Time<set 12/24 hour>

Time<set date format>

Press the 【 】button enter corresponding Settings to adjust,rotate the 【 】button to select.Press 【 】button to confirm.

The selected item display "* " symbol in the upper right corner.

11.4 : Backlight : rotate the 【 】button,the backlight can be set as follows

Backlight<Timeout > :10/20/30/45/60/90/120/180(unit : secon) / ON (always on)

Backlight<On level > : Low, Medium High

Backlight<Dim level > : Low, Medium High

Press the 【 】button to enter the corresponding Settings to adjust rotate the 【 】button to select.Press the【 】button to confirm.

The selected item display "* " symbol in the upper right corner.

11.5 : Language:rotate the 【 】button to select: English、Deutsch、Italiano、Franais.Default is English.

Press the【 】button to confirm.

The selected item display "* " symbol in the upper right

corner.

11.6 :Factory Reset: press the【 】button reset is optional. After the reset, all states are restored to the factory default state

11.7:SW Version(DAB Software versioning)：press the 【 】button，you can view the DAB software version number.

12：About SOS alarm sound operation：

12.1：Alarm sound enabled：long press the【 】button，At this time, a loud alarm sound will be emitted, and red/white LED lights will alternately flash along with the alarm rhythm.

12.2：Turn off the alarm sound: When the loud alarm sound is working, long press the 【 】 button to turn off the alarm.

13：Open reading light/flashlight operation：

Clock display mode or power-on working mode：

press the 【 】button for the first time to turn on the reading light.

press the 【 】 button the second time to turn on the flashlight.

Press the 【 】button again to turn off the flashlight.

14 : Bluetooth mode work introduction :

The Bluetooth name of this product"H907"

Power-on status , short press the 【 】button,switch "Bluetooth"work mode. LCD display"Not Connected" flashing,it mean is waiting for connect.

After the connection bluetooth is successful, the LCD displays a message indicating that "Bluetooth Connected" and plays a Connected tone. Open the Bluetooth device music player, click Play music, enjoy Bluetooth music playback.

Rotate the 【 】 button clockwise to enter the next track, counterclockwise 【 】 button to return to the previous track, press 【 】button to pause/play switch, or operate the mobile phone to perform corresponding control.

Disconnect Bluetooth connection : Long press 【 】 button for 2 seconds, LCD displays "Not Connected" is not connected, and emits a "Disconnected" disconnect tone, indicating that the Bluetooth connection is disconnected.

15 : About charging the radio lithium battery :

the radio support: "Hand generator charging", "external DC5V power charging" and "solar charging", three ways:

15.1 : Hand generator charging: turn the handle on and turn clockwise or counterclockwise to charge the battery. The battery symbol is " "indicate,electric indicator LED red light on

15.2 : external DC5V power charging: externally and plug direct current DC5V into charging inside the DC5V.

The battery symbol is ‘ ”indicate,electric indicator LED red light on

15.3: The use of solar charging, the product is placed in the position under the sun, the solar panel is facing the sun, solar charging, charging indicator LED red light, The battery symbol is ‘ ”indicate.

16：USB CHARGING(power-out)：

According to the above charging methods: solar panel charging, hand generator charging, external DC5v charging, radio reserve power can be charged for your mobile phone, MP3, IPAD……

Before charging, remove the dust-proof rubber on the right side of the radio, push the switch to unplug the Li-ion or AAA , Connect the charging cable

When the battery is overloaded or short-circuited, the output stops automatically. When the built-in voltage of the radio drops below 2.5V, the power will be turned off automatically

Note:

1): The necessary condition for the use of mobile charging bank function is the radio voltage ≥ 3.5V

2): The necessary condition for the use of mobile charging bank function is the radio voltage ≥the use of the mobile charging of the voltage

3):External input charging and internal output charging cannot be used at the same time

17：TYPE-C USB(power-in)：

Charging: It is recommended to charge a charging device with an output voltage of DC5V/1A-DC3A to avoid damage to the lithium battery or equipment.

If the machine is not used for a long time, please ensure that the lithium battery is charged once a month.

Connect the USB charging cable ,charging "red light" light up, the screen displays the charging " " symbol, indicating that in the charging state.
the" "symbol is displayed when it is fully charged, indicating that it is fully charged, the general charging time is about: 10 hours.

18:Product main technical parameters:

Frequency Range	FM:87.50-108.00MHz DAB:168.000-240.000MHz
Receive Sensitivity	FM≤18dB DAB≤-48DB
Quiescent Current	≤ 150 uA
Maximum Current	FM working mode:390mA BT working mode:560mA
Maximum Power Output	1.1 W
Loudspeaker	Φ40mm/4Ω/3W
SNR	FM≥40dB
Memory Station	66pcs(FM/DAB each mode is : 33pcs)
BT Version	VER 5.0
BT receiving distance	≤10 metres
Minimum working voltage	3.5V
External input voltage	DC5V
Output current/voltage for mobile power supply	1A
Lithium Battery	3.7V10000mAh
Dry battery	3x1.5V AAA batteries
Product size	167.2x66.8x85.3mm
Net Weight	536g

FCC Statement:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This Equipment generates,uses and can radiate radio frequency energy and,if not installed and used in accordance with the instructions,may cause harmful interference to radio communications.However,there is no guarantee that interference will not occur in a Particular installation.If thise quipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.