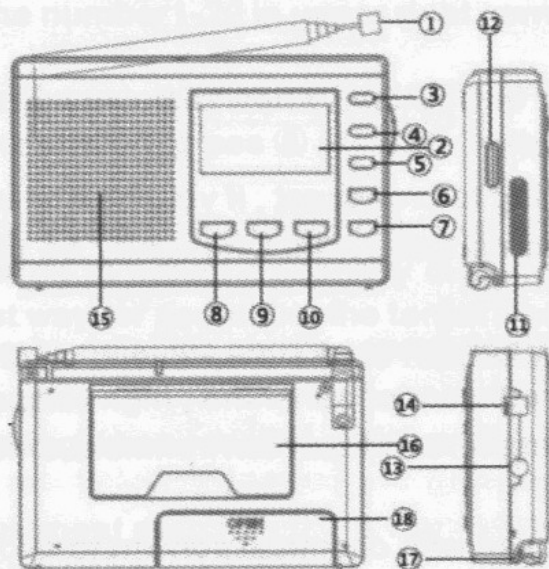


# User Manual For FM/AM/SW Full Band Digital Stereo Radio

This is a FM/AM/SW full band digital stereo radio with a loudspeaker and LCD display.

Thanks for purchase it , please read this manual before use and keep it properly for future reference

## 1.Product appearance & part description :



- ① 360 degree seven section pull rod antenna
- ② Blue backlight LCD display
- ③ Power/sleep button
- ④ BANDS For switching between FM/AM/SW
- ⑤ METE:FM/SW bands segmentation

- ⑥ TUN+:station/setting time/AM step value+ adjustment button
- ⑦ TUN-:station/setting time/AM step value- adjustment button
- ⑧ MEMO:Presetting station/set a time button
- ⑨ M+:storage position number+/select station+/set a alarm
- ⑩ M-:storage position number-/select station-
- ⑪ TUNING:Rotary selection broadcast control—at radio right side
- ⑫ VOL:Rotary volume control—at radio right side
- ⑬ 3.5MM earplug port—at radio left side
- ⑭ DC5V external power supply—at radio left side
- ⑮ Built-in loudspeaker
- ⑯ Support stand
- ⑰ Arm rope
- ⑱ Battery cover

## 2.display signal description :



- A:Alarm symbol
- B: Volume adjust indication
- C :Store station / select station indication
- D :Store station / select station address number indication
- E :Short wave(SW) step value: 0.005MHZ
- F :Middle wave(AM) frequency unit
- G :Short wave (SW)and FM frequency unit
- H :Frequency / time display indication
- I: FM / AM / SW indication
- J:SLEEP time indication
- K:STEREO indication

### 3.Function description :

The First,open the radio battery cover ⑩ and put the 2x1.5VAA batteries into the radio cell accurately.(The battery slot has positive pole and negative pole indication).

#### ③ POWER/SLEEP button

POWER:Short press ③ button to turn on the radio , short press ③ again to turn off the radio.

SLEEP:After put into the battery, the radio on the clock state,Long press the ③ button,the “Zzz” sleep symbol display on the LCD top left corner,the sleep time can be selected 90-80-70-60-50-40-30-20-10.each time press the ③ button to choose the sleep time.

After choose the sleep time,about 1 second the radio turn on.Use the time to reach the selected sleep time, radio will turn off automatically

#### ④ BANDS:For switching between FM/AM/SW

Short press ④ button for switching between FM/AM/SW band.

FM frequency range: 63-108MHZ

AM frequency range:522KHZ--1620KHZ(9k)/520-1710KHZ(10K)

SW frequency range: 5.90-21.85MHZ

#### ⑤ METE:FM/SW bands segmentation

When the radio is in FM state.FM frequency range is 63-108MHZ,short press ⑤ button for fast conversion from 63MHZ,87MHZ.

When the radio is SM state.SW frequency range: 5.90-21.85MHZ,divided into 7 band range: 5.9MHZ,7.1MHZ, 9.4MHZ, 11.6MHZ, 15.10MHZ, 17.45MHZ, 21.45MHZ,short press ⑤ button choose the SW band station quickly.

#### ⑥ /⑦ TUN+/-:station/setting time/AM step value+/- adjustment button

Searching for radio station method

Adjust ⑥ & ⑦ buttons for searching the radio station of SW / AM / FM.

SW default step value 0.005MHZ , AM default step value 9KHZ, FM default step value 0.1 MHZ

Short press : adjust frequency up / down by short press ⑥ & ⑦ buttons

Long press : Automatically search stations by long press ⑥ & ⑦ button and release in 1 sec ( long press ⑥ for search of upper frequency stations , long press ⑦ for search of lower frequency stations ) , will stop searching when receiving a clear signal and confirm that station , short press ⑥ & ⑦ button during auto search can stop searching and confirm frequency of stop station .

AM frequency step set to 9KHZ or 10KHZ

In the clock station(the radio have be put into the battery),press and hold the :“MEMO”⑧and “M-” ⑩buttons both at the same time.after 3 seconds,the LCD will display the current AM step value.press the⑥/⑦button to switch 9khz and 10khz.when choosing the correct AM step,wait until the step number disappears,which means the AM step is set up successfully.

Note:In the United states,Canada and other North American and South American countries must set to 10KHZ,other countries must set to 9KHZ.

Setting time method please according the point 5.

### ⑧ MEMO Store station button

Each band can be stored 20 stations.

**Manually memory station** using⑥/⑦ (Tun+/-button ) for adjusting target frequency , short press ⑧ button, "M" symbol and the number 1-20 in the upper right corner of the LCD are flashing.press the "M+"⑨ and "M-"⑩buttons choose the target station address number,short press ⑧ again to storing the target frequency station to the target address number successfully.

### Storing radio stations automatically

Long press ⑧ button,and the radio can automatically search and store radio stations.the stations are searched and stored from low frequencies to high frequencies in order.meanwhile,the LCD display will show "M" symbol flashing and the number1-20 in upper right corner.

### ⑨ M+ ⑩M- station selection button :

After saving the station, press ⑨ M+ ⑩M- buttons to preset a radio station.

### ⑪Tuning switch :Rotary selection broadcast control

Turning ⑪ button to adjust frequency during the radio turn on,this is a fast way for searching the target frequency.

When the pulley is pushed, let go,the radio will also perform automatic search.

will stop searching when receiving a clear signal and confirm that station.

### ⑫Volume adjustment switch :

Turning ⑫ switch to adjust volume .

## 4.Connect external power supply :

⑭ USB DC-IN 5V port for power supplied by external 5V power adapter

Connect : Plug external 5V power adapter USB into DC-IN 5V port can start using the radio.

Disconnect : power off radio , disconnect power adapter's USB from radio's DC port can disconnect external power supply.

●Please check the polarity of external power supply before connection of radio to power supply to avoid damage of this radio

●The power pressure range of power supply adapter to be 3V-5V , >5V will cause radio can not work normally or damage

**Note : To converse to external power supply while radio had inserted battery , please power off radio first before conversion .**

## 5.Setting Clock / alarm(must be setting on the clock states) :


### Setting clock method

Setting Hour : long press ⑧ button , the hour figure flashing , press ⑥/⑦ to adjust hour setting ( 24 hours mode )

Setting Minute : After setting hour,short press ⑧ button the minute figure flashing , press ⑥/⑦ to adjust minute setting

Confirm time after Hour & minute setting complete by short press or not press ⑧ button.setting time is successfully.

### Setting alarm method:

short press ⑨ button to active alarm , clock symbol  will be showed in LCD ( if alarm already active , short press⑨will disable alarm ) .

Long press ⑨ button for setting alarm time , alarm & clock symbol flashing at the same time , using same method as setting clock for setting alarm time , confirm alarm time by short press or not press ⑨ after alarm time setting complete .

Setting alarm time is mean radio auto turn on time .

## 6.Using antenna :

### 1、 Listening to FM broadcast:

Pull out the antenna , changing antenna length and direction to search for best receiving effect position

Note : please shorten the antenna length when disturb by other strong broadcast

### 2、 Listening to AM broadcast

The radio using built-in magnet antenna for receiving AM broadcast , please change the radio direction properly to achieve best receiving effect for AM broadcast .

### 3、 Listening to SW broadcast

Pull out the antenna , changing antenna length and direction to search for best receiving effect position.

## 7.Blue Backlight LCD Display

Blue backlight LCD display while operate any button , and auto light off after 5 sec without any operation.it is convenient for using on night.

## 8.Assemble battery :

Open battery door , insert 2 x AA 1.5V battery with correct pole direction ( please refer to instruction printed on left side of battery door ) , close battery door.

During listening to broadcast , if volume non-stable or LCD display become darken or flashing , may be caused by low battery

- Please don't mix old and new battery in use together
- please take out the battery if long time not in use to avoid battery leakage and damage the radio
- Please use soft cloth to clean battery store when battery leakage happened before inserting new battery

## 9.Main specification :

Technical index			
Frequency range	FM:63-108MHZ	Battery	2xAA batteries
	AM:522KHZ--1620KHZ(9k)/ 520-1710KHZ(10K)	External power	DC5V
	SW:5.90-21.85MHZ	working power	2V-3.2V
Sensitivity	FM > 18 dB	Stereo separation	≥32dB
	AM > 10 mV/M	Distortion	≤1%
	SW > 20μV	Working temp	-15 - 50 (°C)
Signal selection	> 10 dB	Output capacity	≤220mw
Speaker	Φ50mm/8Ω/0.5W	Dimension	111×70×26(mm)
earplug	Φ3.5mm/32Ω×2		

## 10.Notice

- Please take out battery when radio not in use to avoid battery leakage.
- During listening to broadcast , if volume non-stable or LCD display become darken or flashing , may be caused by low battery.
- Please avoid high press , strong collision , drop or water.
- Don't place radio under sunshine , high temperature , high humidity area or store radio at environment of temperature < -5°C or >50°C.
- Don't clean case with chemical solvent to avoid damage of radio casing.
- Don't disassemble the radio or change specification of inner part radio .