RADDY RF886

AM·FM·SW·WB·VHF (NFM/WFM) RADIO WITH BT/TORCH/SIREN AND SOS LIGHT

User Manual

RADDY

LOCK /MET.　TIME /EQ　🔔/zᶻz

MEMO. /SCAN　CH−　CH+

ALERT　　SET

BAND　◀　▶

— RF886 —
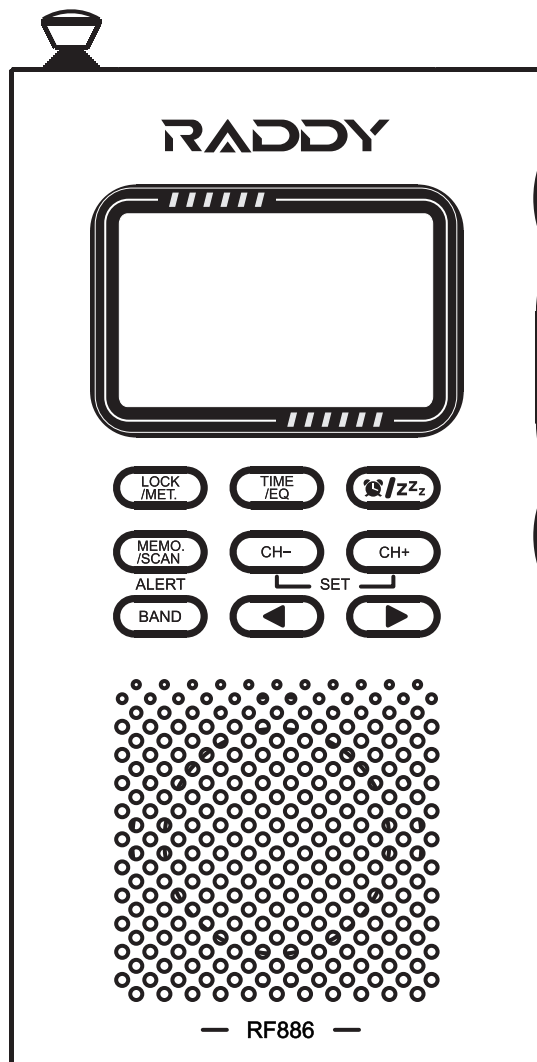
Thank you for your purchase.

Please read this operation guide carefully and keep it properly before use.

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Front View

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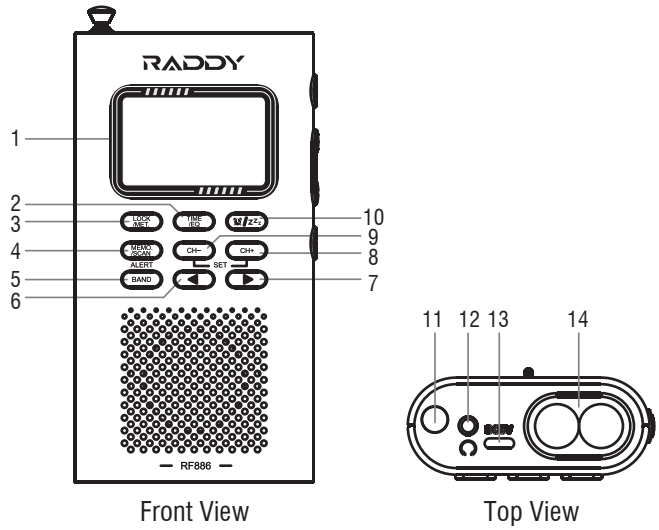
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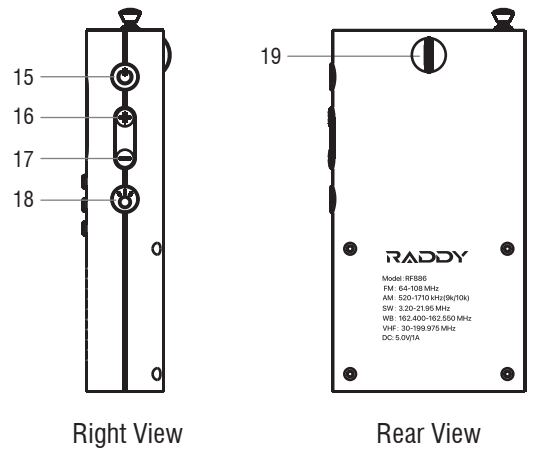
LCD Screen with Backlit

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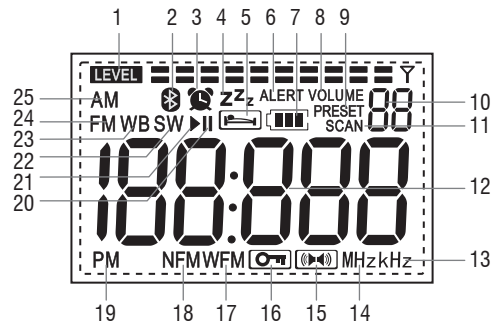
Charging the Buit-in Rechargeable Battery

1. When charging the rechargeable battery, connect the USB Type-C cable between the radio and the power supply.

2. Use 5V DC/1A-3A power adapter to charge the battery, full charge time is about 2-3 hours.

3. While charging, the power icon will flow from right to left continuously. When the battery is fully charge, the power icon will stop flowing and appear as solid.

4. You can see the current battery capacity by looking at the power icon.

    a. 3 cells power: 4.0-4.2V

    b. 2 cells power: 3.75-4.0V

    c. 1 cell power: 3.45-3.75V

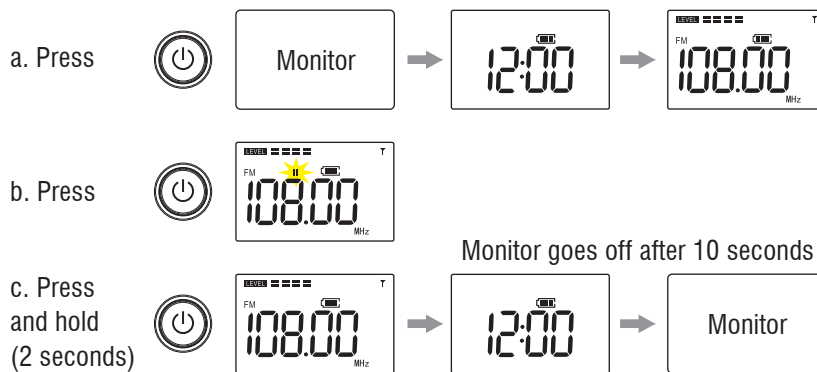   d. 0 cell power: 2.75-3.45V, When power < 3.1V, the power icon will flash.

```
 3.75-4.0V          2.75-3.45V
                    < 3.1V Flash
      ┌─────┐
      │ ▌▌▌ │
      └─────┘
 4.0-4.2V           3.45-3.75V
```
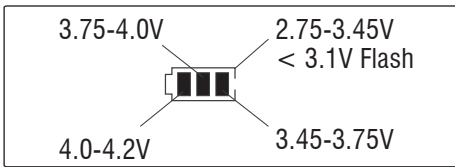
Cautions: Please charge the battery at least once a month.

Operation the Radio

Power Switch

a. Press the **power button 15** on the side of the radio, the radio will enter time mode when it is turned on the very 1st time. Press the **button 15** again to turn the radio on to play.

b. While the radio is playing, press the **button 15** to turn on the pause function, and press the **button 15** again to cancel the pause function.

c. To turn off the radio, please press and hold the **button 15** for 2 seconds. Then it will enter the time mode.

Cautions: When turned off, the radio enters power saving mode and the **monitor 1** goes off after 10 seconds. If checking the time, press the **button 15** to enter time mode.

a. Press   ⏻   Monitor → 12:00 → FM 108.00 MHz

b. Press   ⏻   FM 108.00 MHz

c. Press and hold (2 seconds)   ⏻   FM 108.00 MHz → 12:00 → Monitor

Monitor goes off after 10 seconds

Sleep Timer

a. Press the **button 15** to enter time mode

b. Press and hold the **button 15** for 2 seconds to enter the sleep timer function setting. The sleep timer 🗔 icon and the 90-minute timer shutdown time will be displayed on the **monitor 1**.

c. By press the **button 15** continuously, this sleep timer time value can be setting as 90,80,70,60,50,40,30,20 or 10 minutes.

d. After the user selects a sleep timer time value among the 9 setting values, pause any operation and wait 2 seconds to save the setting.

e. If there is no manual intervention, the radio will automatically turn off when the set time of the sleep timer comes. If you need to turn off the radio earlier, press and hold the **button 15** to turn off the radio.
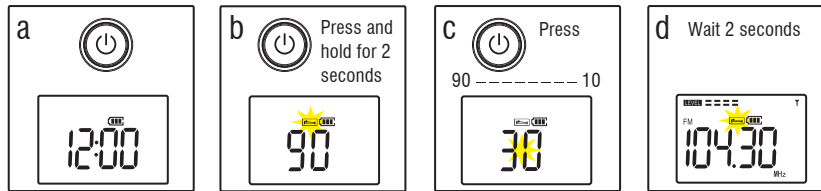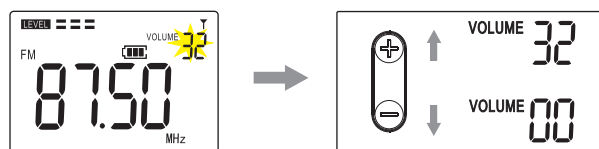

Radio Band Selection

When the radio is on, press the band select button 5 continuously to choose different radio bands or mode, FM, VHF(NFM/WFM), AM, SW, WB or BT (Bluetooth).
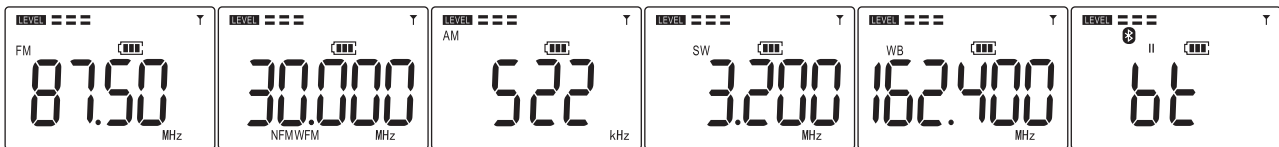
Adjust the Sound Volume

When the radio is on, press the **volume+ button 16** continuously increases the volume; press the **volume- button 17** continuously decreases the volume. The **monitor 1** shows the current volume level. which is divided into "V00-V32" levels.

Stored Memory Radio Station

a. Press the **button 15** to turn on the radio.

b. Press the **Band select button 5** to select different radio bands, FM, VHF(NMF/WFM), AM or SW.

c. Press and hold the **stored memories button 4** for 2 seconds, the current band starts an automatic search and when a station is detected, it is automatically stored in the memory space. Each band has 99 memory address (01-99). Total 396 memories.

d. When the storage is finished, press the **stored memories+ button 8** or **stored memories- button 9** to choose a memory address you prefer (01-99).
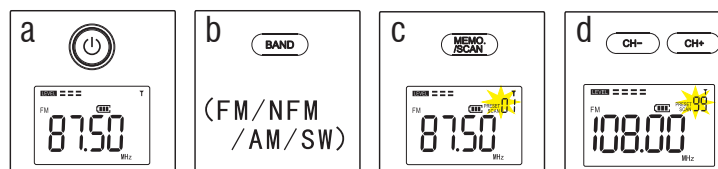
Automatic Tuning

● Press the **frequency upward search button 6** or **frequency downwardsearch button 7** to search for a radio station.

● Long press the **button 6** or **button 7** for 2 seconds to auto search for a radio station and stop when a station is found.

● Press and hold the **button 6** or **button 7** for fast frequency stepping

Manual Storage the Radio Station

a. Press the **button 15** to turn on the radio.

b. Press the **button 5** to select different radio bands, FM, VHF (NFM/WFM), AM or SW.

c. Press the **button 6** or **button 7** to choose a radio station frequency you prefer.

d. Press the **button 4**, the memory address (01-99) and the prefix "PRESET" will appear and flash on the **monitor 1**.

e. Press the **button 8** or **button 9** to choose a memory address you prefer.

f. Press the **button 4** to confirm and save the settings.
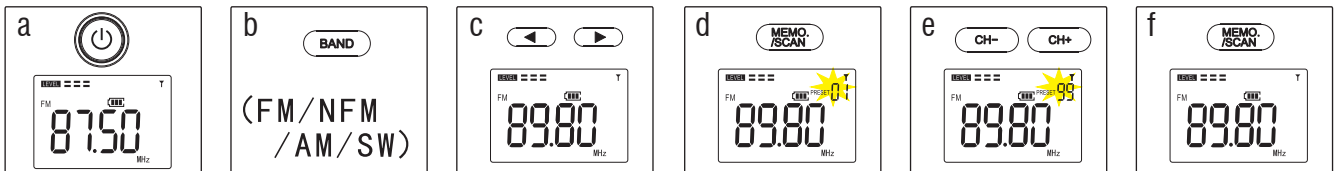
Shortwave (Meter Band) Band Operation

Shortwave frequency range: 3.20-21.95MHz, set with 10 meter bands for more convenient selection of shortwave stations.
When listening to shortwave, press the **key lock/stereo button 3**, the radio enters the shortwave (meter band) band.
Press the **button 3** continuously to choose 4.75, 5.60, 7.35, 9.90, 12.10, 13.87, 15.80, 17.90, 19.10 or 21.85MHz.
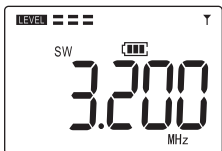
4.75MHz-5.60MHZ-7.35MHZ-9.90MHz-12.10MHz-13.87MHz-
15.80MHz-17.90MHz-19.10MHz-21.85MHz

VHF(Very High Frequency) Band Operation

This radio can receive VHF-(NFM/WFM) dual modulation mode.

1. VHF-NFM: The factory bandwidth value of the radio is 5kHz, which can receive train channels/racing channels/VHF 2 way radio/VHF (HAM), etc.

2. VHF-WFM: In this mode 4 bandwidths 50kHz,100kHz,150kHz or 200kHz can be chosen. The operation of selecting the bandwidth is:

   a. Press the button 15 to enter time mode.

   b. Press and hold the button 9 for 2 seconds to enter frequency bandwidth settings.

   c. Press the button 9 again to choose a bandwidth step you prefer.
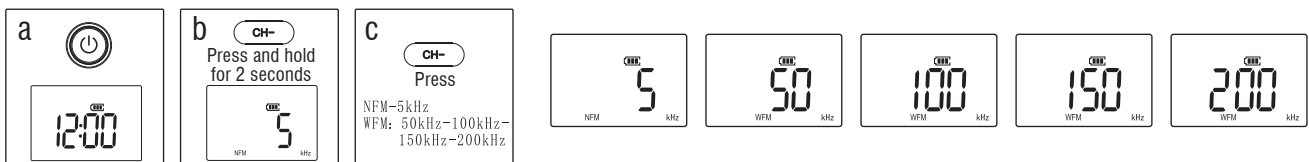
BT (Bluetooth) Operation

Bluetooth name is: RF886.

a. Press the **button 15** to turn on the radio.

b. Press the **button 5** continuously to choose BT (Bluetooth) mode, the Bluetooth ✪ icon will be displayed and flash on the **monitor 1**. Indicates that a connection is pending. After a successful connection, the Bluetooth ✪ icon will always be displayed on the **monitor 1**.

c. Press the **button 15** to pause or resume playback. Press the **button 6** or **button 7** to control the selection of the previous music or the next music.
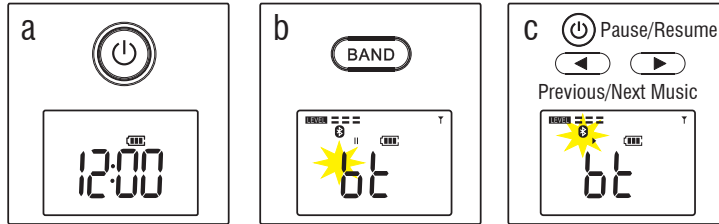
WB (Weather Band) Operation

Press the **button 5** continuously to choose WB (Weather Band). Then press the **button 6** or **button 7** to choose one of the 7 NOAA weather stations.

1-162.400MHz	2-162.425MHz
3-162.450MHz	4-162.475MHz
5-162.500MHz	6-162.525MHz
7-162.550MHz	

NOAA Weather Alert Function Operation

NOAA Alert allows you to set the radios to a standby mode in which the radio will turn on automatically if it picks up an emergency alert signal from your local NOAA station. How to set up:

a. With the power off, press and hold the **button 3** for 2 seconds until the auto NOAA weather alert icon displays and flashes on the **monitor 1**.

b. Press and hold the **button 3** for 2 seconds to exit the NOAA alert function.

Cautions: After activating the NOAA Alert function, all buttons are locked. It is necessary to long press the **button 3** to turn off the NOAA alert function before the key control can be restored.

Press and hold for 2 seconds

Press and hold for 2 seconds
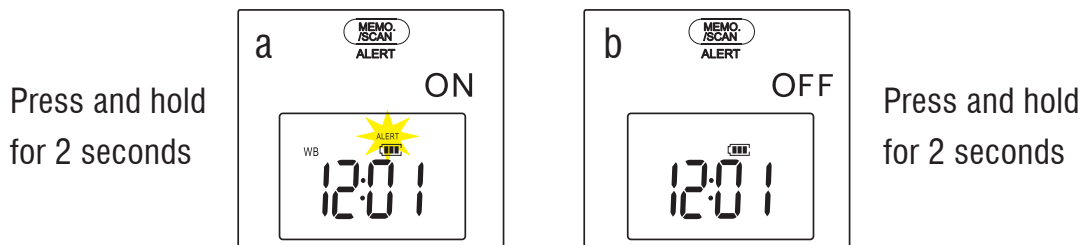
Earphone Jack

The radio is equipped with a φ**3.5mm stereo earphone jack 12** on the top, which supports headphone for private listening.

Compatible plug types
- Mono plug — 1 ring
- Stereo plug — 2 rings

Other types of plugs are not compatible — 3 rings or more 🚫
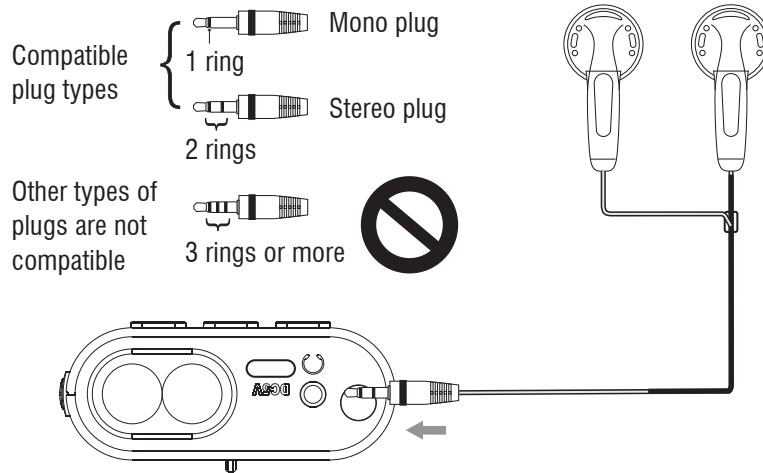
Restore Factory Settings

In time mode, press the **buttons 8, 9 and 8** CH+ – CH– – CH+ in sequence and confirm by pressing the **button 15** again when "rESET" appears to flash.

Press sequence   CH+ → CH– → CH+ →   rESEt   → ⏻ Press while the reset icon is flasing

FM Stereo Function

a. To listen to FM station, plug stereo headphones into the earphone **jack 12** and the FM stereo 🔊 icon appears on the **monitor 1** to listen to FM stereo.
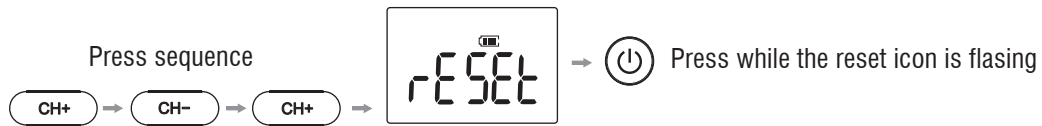
b. If you do not want to listen to stereo, press the **FM stereo button 10** and the FM stereo🔊 icon on the **monitor 1** disappears and it will be played in normal sound quality.

a   FM stereo   89.80 MHz

b   Normal sound quality   89.80 MHz
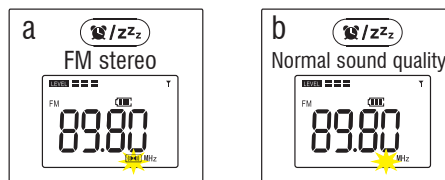
Key Lock Function

a. Press and hold the **button 3** and the key lock 🔊 icon appears on the **monitor 1**. Buttons locked except **Siren and SOS light/torch button 18** and **button 3**.

b. Press and hold the **button 3** to cancel the key lock function and the key lock 🔊 icon on the **monitor 1** will disappear.

a   Locked status   89.80 MHz

b   Unlocked   89.80 MHz
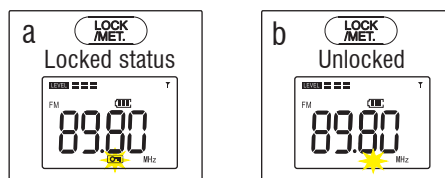
EQ (Equalizer) Operation

In radio or Bluetooth mode, press **EQ (Equalizer) selection button 2** continuously to select EQ (Equalizer):

E1: (NORMAL)   E4: (JAZZ);

E2: (POP)(NORMAL)   E5: (CLASSIC);

E3: (ROCK);   E6: (COUNTRY);

After selecting the EQ (Equalizer) you prefer, stay for 3 seconds for automatic confirmation.

Siren and SOS Light/Torch Function Operation

a. Press the **button 18** and the lights change sequentially: (torch - flashlight - turns off all lights)

b. Press and hold the **button 18** for 2 seconds to enter siren and SOS light mode, then press button 18 again to turn off all lights and alarms.
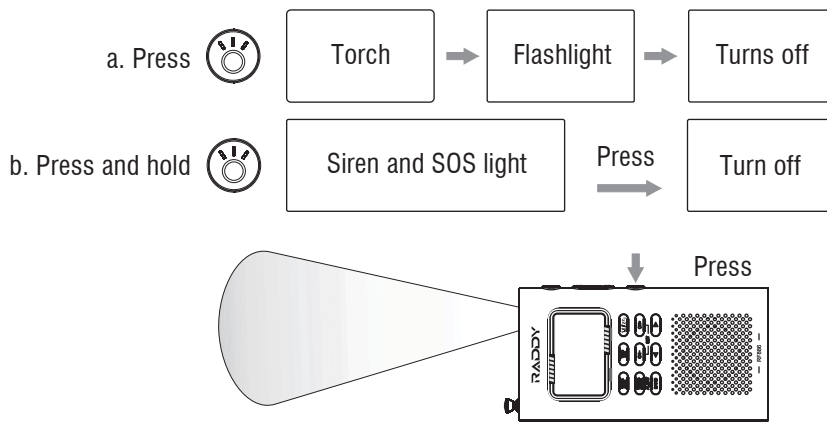
Time Function Operation (In Time Mode)

a. Press and hold the **button 2** for 2 seconds until the hour is flashing, then press button 6 or **button 7** to adjust the hour.

b. Press the **button 2**, then the minutes flash, then press **button 6 or button 7** to adjust the minutes.

c. Press the **button 2**, "24Hr" or "12Hr" appears in **monitor 1**, press **button 6 or button 7** to select the timing method. If the "12Hr" timing method is selected, the PM icon will appear in **monitor 1** every afternoon.

d. Finally press **button 2** to save the time setting.
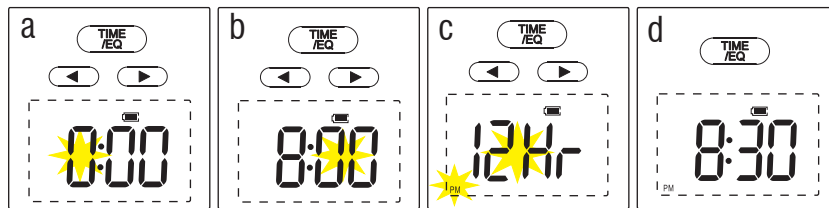
Cautions: Time function operations need to be completed within the flashing time (5 seconds). The current operation will be canceled when the flashing stops.

Alarm Clock Operation (In Time Mode)

Press the **button 10** to turn on/off the alarm clock function, when the alarm clock function is turned on, the clock 🔔 icon appears on the monitor 1.

a. Press and hold the **button 10** for 2 seconds until the hour is flashing, then press **button 6 or button 7** to adjust the hour.

b. Press the **button 10**, then the minutes flash, then press **button 6 or button 7** to adjust the minutes.

c. Press the **button 10**, the "bu2" or "rAd" flashes on **monitor 1**, then press **button 6 or button 7** to select one.

d. Finally press **button 10** to save the alarm clock setting.
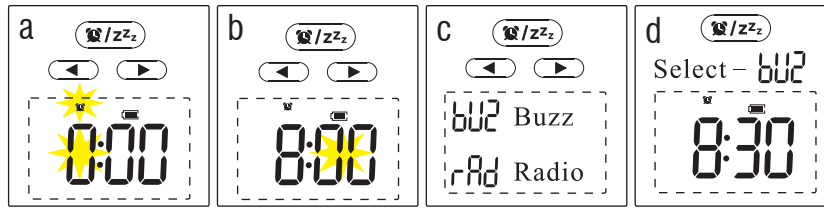
Select " bu2": when the running time reaches the set time, the clock 🕾 icon flashes and a buzz sound is emitted. 5 minutes later, the alarm stops ringing. If you press **button 10** while the buzz sound is being made, it will enter a 9-minute snooze time, the snooze z^{z}z icon will flash on the **monitor 1** and the buzz sound will be made again after 9 minutes.

Cautions: When buzz sounds, pressing any button other than **button 10** will turn off the current alarm clock function.

To turn on the snooze function: press **button 10** when the buzz sounds.

Select "rAd": when the running time reaches the set time, the radio will automatically turn on to the working mode before shutdown, the sleep timer 📼 icon will appear on the **monitor 1**, and it will automatically shutdown after reaching the shutdown time (if shutdown in Bluetooth mode, you need to click on the Bluetooth device to play). Select "rAd" and set the auto power off time, and start from step c:

c. Press the **button 10**, the "bu2" or "rAd" flashes on monitor 1, then press **button 6 or button 7** to select "rAd"

d. Press **button 6 or button 7** to select the shutdown time after automatic power on.

e. Finally press **button 10** to save the alarm clock setting.
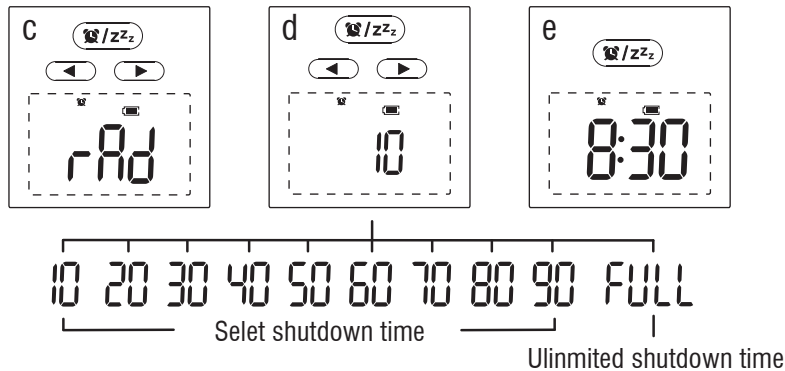
Frequency Range

The RF886 can receive FM/VHF(NFM or WFM)/AM/SW/WB bands, the frequency range is shown in the table below:

Type	FM Frequency Range	VHF Frequency Range	AM Frequency Range	SW Frequency Range	WB(NOAA) Frequency Range
1	87.5-108MHz	30.00-199.975MHz	522-1710kHz/9kHz	3.20-21.95MHz	162.400-162.550MHz
2	87-108MHz	30.00-199.975MHz	520-1710kHz/10kHz	3.20-21.95MHz	162.400-162.550MHz
3	76-108MHz	30.00-199.975MHz	522-1710kHz/9kHz	3.20-21.95MHz	162.400-162.550MHz
4	64-108MHz	30.00-199.975MHz	522-1710kHz/9kHz	3.20-21.95MHz	162.400-162.550MHz

Frequency Setting (In Time Mode)

Users can choose one of the 4 type frequencies according to the local radio frequency.

a. Press and hold the **button 8** for 2 seconds, "87.5" will appear and flash on the **monitor 1**.

b. Press the **button 6 or button 7** to choose 87.5, 87, 76 or 64 MHz.

c. Press the **button 8** to confirm the setting.

a	b	c
CH+	◄ ►	CH+
FM 87.50 MHz	FM 87.00 MHz	8:30

87.50	87.00	76.00	64.00
Type 1	Type 2	Type 3	Type 4
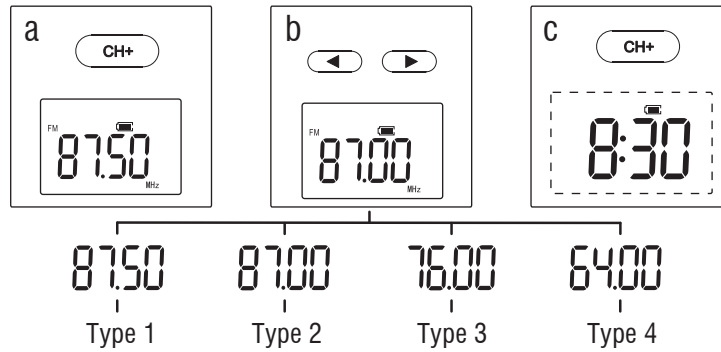
# NOAA Weather Band Operation (In Time Mode)

a. Press and hold the **button 5** for 2 seconds, "OFF" or "ON" appears and flashes on the display.

b. Press the **button 6 or button 7** to choose on or off.

c. Press the **button 5** to confirm the setting.

a	b	c
BAND	◄ ►	BAND
WB OFF	WB En	8:30
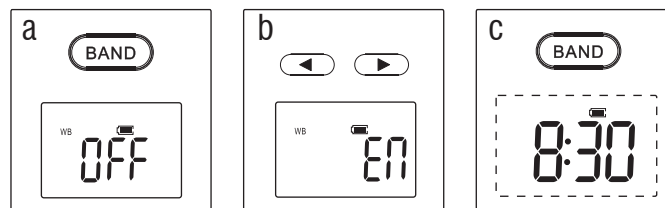
Use the Straight Pull Antenna

a. When listening to the FM, VHF, SW or WB band, please extend the **straight pull antenna 11** to optimize the reception. Adjust the length of the **antenna 11** according to the signal intensity to achieve optimal reception. When the reception signal is weak, you can use the external antenna in the supplied accessories to enhance the signal reception.

b. The radio uses its internal iron oxide bar antenna to receive the AM signal. Therefore, it won't be necessary to use the **straight pull antenna 11**. To improve radio's AM reception, try to change the radio's location or adjust its orientation.

Cautions: It's better to use it near a windows or open space, in order to receive better signals.

Windows

FM / VHF / SW / WB Band   AM Band
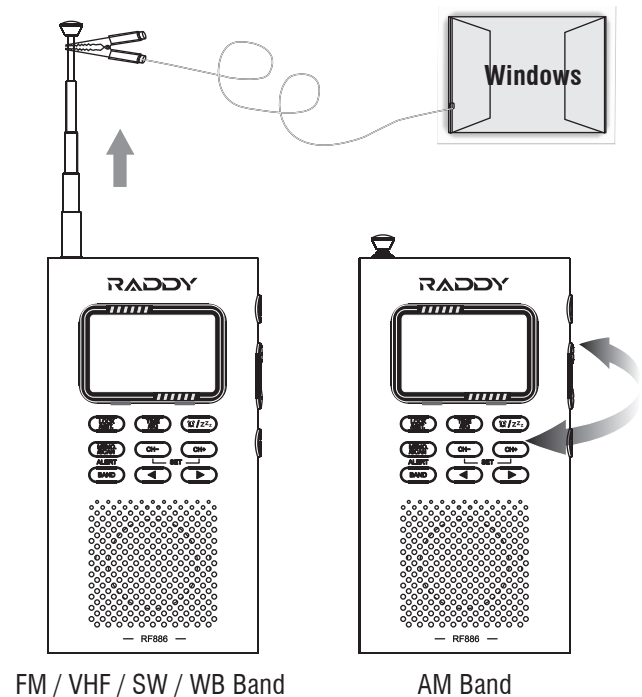
Important Safety Inforation

Please read the user's manual before first use ofradio.

- Read and understand all safety guidelines and usage information.
- It is recommended to use a charging device with an output voltage of DC5V/1A-3A to charge the radio to avoid damage to internal devices or the built-in rechargeable lithium battery.
- When the power ⊏ icon is flashing, it means the power is low, please charge the radio in time to avoid affecting normal use.
- If the radio is not used for a long period of time, please charge it at least once a month.
- Do not drop or give the radio a strong shock, because the product is composed of precise parts.
- Do not expose the radio to rain, moisture, or splashes of any liquid.
- Do not allow the radio to be exposed to sunlight, heat or humidity for long periods of time.
- During the dry and cold season, materials such as chemical fiber and silk are prone to static electricity, which can affect or damage the sensitive devices inside the radio, This radio is protected accordingly, but please also try to avoid friction with items made ofthe above materials.
- Dispose of this radio in accordance with your local waste disposal instructions.

The radio is damaged by static electricity as follows:

- Button operation appears to be misplaced or out of control, and the **monitor 1** is not functioning properly.
- Significantly reduced ability to receive radio signals.

Specifications

Frequency Range	FM: 64-108 MHz SW: 3.20-21.95MHz VHF: 30.00-199.975 MHz WB: 162.400-162.550 MHz AM: 520-1710 kHz
Noise Limit Sensitivity	FM:<15dB VHF:≤15dB AM:≤70dB SW:≤40dB
Number ofMemorized Stations	FM=99，VHF=99，AM=99，SW=99
Bluetooth® Version	VER 5.0
Bluetooth Transmission Distance	<15m
Max. Power Consumption	≤6W
Power Source	DC 5V/1A
Li-ion Battery	1000mAh/3.7V
Speaker USB Type-C	Φ40mm/4Ω/5W
Earphone Jack	3.5mm/plug
Dimensions (Approx)	124 x 67 x 29 mm
Weight	150g

Warranty

● The device has a full 12-month warranty agains manufacturing defects from the date of purchase.

Packing List

● Radio X 1
● Type C USB Cable X 1
● User Manual X 1
● External Antenna X 1

RADDY

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🌐 www.iraddy.com

Made in China