



RADDY RF750 Portable Shortwave Radio with Bluetooth Music Player User Manual

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RADDY

RADDY RF750 Portable Shortwave Radio with Bluetooth Music Player



Introduction

RF750 is a shortwave radio and a Bluetooth music player, this combination will give shortwave radio listeners a different experience! **The main features are as follows**

- It can receive FM, MW (Medium wave), SW (Short wave), and WB (Weather band only available in North America), with strong reception sensitivity.
- Using high-tech audio technology, it can play music via Bluetooth and supports up to 256g TF Card music playback.
- In radio mode, it supports manually turning the station with an encoding pulley switch, pressing the key to automatically scan and store the station.
0-9 volume level.
- In each mode state, it can use the “music spectrum light” mode to bring you into a wonderful music melody.
- This product uses a detachable BL-5C 1000mAh lithium battery with a long-lasting life.
- **In Bluetooth mode and TF Card music playback mode, it supports six EQ for playing sound effects**
 1. NORMAL;
 2. POP; 3
 3. ROCK;
 4. JAZZ;
 5. CLASSIC;

6. COUNTRY

- Sleep Timer: It can set the shutdown (sleep) time (70-60-50-40-30-20-10 minutes selectable).
- Two step selection for MW (medium wave) reception: 9KHz / 10kHz.
- The shortwave receiving mode of this product is set with seven-meter waves for easy use.
- In radio mode, it can enable or disable the backlight display.
- This product can memory 110 radio stations in radio mode. (FM / MW: 20 radio stations are stored respectively, 7-meter waves are stored in short wave, and 10 can be stored in each meter wave)
- Type-C charging jack.

Warning

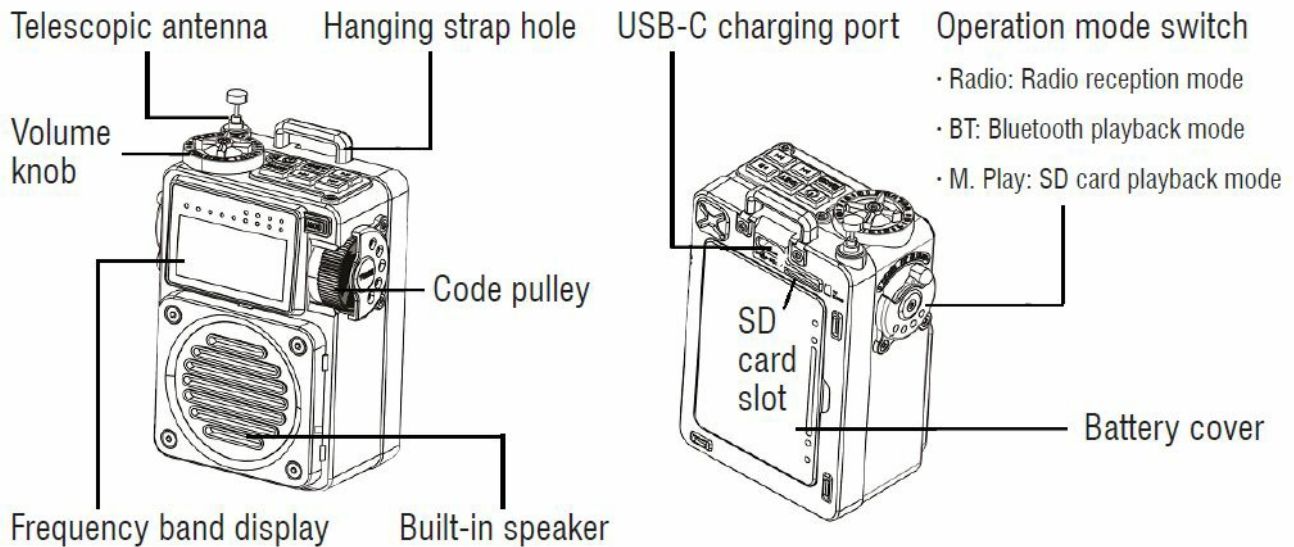
Before use, you should follow the following basic safety instructions to ensure the correct use of the product:

- Read and understand all safety guidelines and instructions for use.
- When the battery icon indicator flashes, it indicates that the remaining battery capacity is insufficient. Please charge the equipment so as not to affect normal use.
- It is recommended to use a charger with an output voltage of 5V/1-3A for charging to avoid damaging lithium batteries or equipment. If the lithium battery is not used for a long time, please take it out and store it separately. Make sure to charge it once a month.
- Do not expose equipment to rain, moisture, a drop, or any other liquid.
- Do not place equipment near a high-temperature heat source.
- Do not expose the equipment to direct sunlight for a long time.
- Don't let the product fall or bump into the hard stuff, and don't exert great pressure on the equipment.

Package List

Name	Quantity
RF750 Portable Music Player	1
Hanging strap	1
BL-5C Lithium Battery (1000mAh 3.7V)	1
USB TYPE-C Charging Cable	1
User Manual	1
External Antenna	1

Overview



: Power On / Off Key

SET : Set sleep time / Select meter wave / Select EQ sound effect



: Music Playing Mode: Play/Pause / Radio Mode: Start to fully automatic scan and storage station; / Channel Mode: Press and hold to enter a mode; /WB Mode: Automatic Early Weather Warning "ALERT"

BAND : FM / MW / SW / WB Band

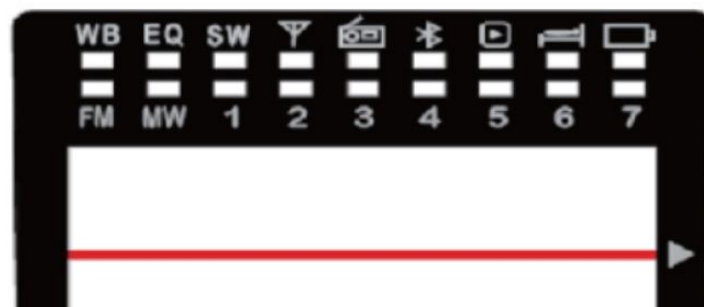


: Nest Music/ Channel Selection+/ In TF Card playing mode: Press and hold to go forward fast.



: Previous Music/Channel Selection-/In TF Card playing mode: Press and hold to go backward fast.

Indicator Panel



WB (North American National Weather Band) Receive mode EQ Sound Effect Adjustment Indication

SW Shortwave Receiving Mode Indication

FM FM Reception Mode Indication

MW Medium Wave Reception Mode Indication Tuning Signal



Indicator Light ON: Start the full-automatic scan / retrieval mode.

Indicator Light OFF: Manual platform adjustment mode.



Flashing: the process of full-automatic radio scan and storage / if no radio is found, flash for two seconds when taking the radio




Flashing: Waiting for Bluetooth connection

Stay on: Connected Bluetooth / Bluetooth playing status




Flashing: No TF Card.

Stay on: TF Card Play / TF Card Pause Play

 **Flashing:** Enter the setting mode of sleep timer.

Stay on: the sleep time selected by default.

 Display flashing during charging or when the battery is low.



Number 1-7 indication:

SW Mode: Meter Wave Segment Indication

WB Mode: Selection of 7 weather frequency

Channel Selection: Channel number indication.

EQ Sound Mode: 6 types of sound indication.

Battery Power: 1-7 level

Operation Guide

1. Installing the battery:

Remove the battery cover and install the BL-5C battery into the compartment (it is recommended to fully charge the battery before using it for the first time).

2. Power ON/ OFF:

Press and hold the " " key, all lights will flash once, and the radio will be on. Press and hold the " " key again to turn off the radio.

3. Three playing modes:

RADIO (Radio mode) / BT (Bluetooth reception mode) / M-PLAY (TF card playback mode). There are three switches on the left side of the radio. You can switch the mode as you needed (make sure the volume level is >0). Switch to the corresponding mode and the radio will broadcast in English: Radio—Bluetooth mode—Music.

4. Volume control: (Volume level: 0-9)

Rotate the volume knob, and the sound is turned off when the arrow is aligned to "0". When the arrow is aligned to "9", the sound has been turned to the maximum volume. The volume can be adjusted appropriately between "0-9" as required.

5. Listen to Radio


The radio can receive MW (medium wave) / FM (frequency modulation) / SW (shortwave) / WB (North American National Weather Band), and the frequency range of each band is as follows

- **MW frequency range:** 520-1710kHz
- **FM frequency range:** 87-108MHz
- **SW frequency range:** 5.70-17.9MHz
- **WB frequency range:** 162.400-162.550MHz


When listening to FM, SW and WB bands, please pull up the telescopic antenna.

Band switching: In the state of power on, short press the [BAND] key to switch between MW / FM / SW / WB bands.

Auto/Manual Scan & Station storage in FM, MW and SW modes:

Auto scan and station storage: In the state of power on, In MW / FM / SW band, short press  button radio





“ ” indicator light on, press and hold button for two seconds,  ”indicator light flashing, means that the full-automatic scan and storage radio station is started, and the station will scan from the low to high, high to end frequency. After completing a scanning circle, it will automatically stop and play the first saved station.

- MW (Medium wave) channel capacity: 20;
- FM channel capacity: 20;
- Seven meter waves in short wave, and each meter wave can store 10 (total: 110).

Manual scanning:

In the radio working mode, slide the coding pulley switch on the right side to find the active radio station with “ ” signal indicator light on.

Channel Selection

According to the operation in 5.2.1, after performing a channel scan, you can press “  ” or “  ” button to select a previously saved channel. The 1-7 number indicator lights up accordingly.

If more than 7 are stored, the indicator light combination is on For example, Memory 8 is: Light 1 + Light 2 are on for 1 second at the same time, storage 9 is: Light 1 + Light 3 are on for 1 second at the same time... (and so on)

***Note:** the number of stations depends on the number of stations stored in the local signal strong / weak situation.



Shortwave mode:

Press [BAND] button to change to bank SW (indicator light on), short press [SET] button SW1-SW7 meter band switching,



Number	Hydrotherapy band	Frequency range
1	SW1	5.70-6.40 MHz
2	SW2	6.85-7.57 MHz
3	SW3	9.20-10.00 MHz
4	SW4	11.45-12.17 MHz
5	SW5	13.50-14.30 MHz
6	SW6	15.05-15.86 MHz
7	SW7	17.40-17.90 MHz

You can then use the coding pulley to set the desired frequency in the selected short-wave range.

WB (North American Weather Band)

Short press [BAND] to switch the Weather Band; Press the “  ” or “  ” button to select the active weather frequency, and the digital light indicates the corresponding frequency

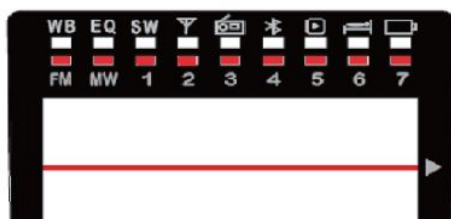
NOAA transmitter	Frequency range
1	162.400 MHz
2	162.425 MHz
3	162.450 MHz
4	162.475 MHz
5	162.500 MHz
6	162.525 MHz
7	162.550 MHz

Press and hold  button for two seconds to enable the automatic weather early warning “ALERT”, then press and hold  button for two seconds to disable the automatic weather early warning “ALERT” function.

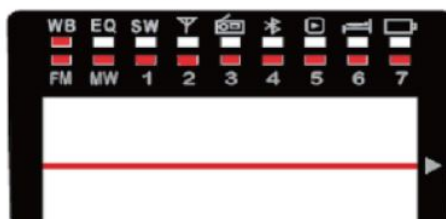
Medium wave step value 9KHZ / 10KHZ

In power off status, press and hold the [BAND] button for more than two seconds, 9 lights indicate that the current MW step is 9KHZ, 10 lights indicate that the current MW step is 10kHz; Then press [BAND] button to switch the step between 9KHZ and 10KHZ.

Step value 9KHZ light on



Step value 10KHZ light on



Note

In North and South American countries such as the United States, Canada and Mexico, the step value of the medium wave must be adjusted to 10kHz. In other countries, the step value of the medium wave is 9KHz.


Step	Frequency range
9KHz	522-1620KHZ
10KHz	520-1710KHZ

Backlight Mode

In radio operating mode, press and hold the [MOD] button for two seconds and turning on. Press and hold the [MOD] button for two seconds again to turn off the backlight.

Bluetooth Operation

Bluetooth Name: RF750

In the state of power on, switch to the Bluetooth “BT” mode. When the Bluetooth indicator light  is flashing, then turn on the mobile phone Bluetooth, find out and connect the Bluetooth name “RF750” in the “available devices”. When the broadcasting “**THE BLUETOOTH HERE SUCCESSFULLY**”, that means successfully connected, and the “indicator light” is always on. If the device is successfully connected, it will be memorized the pairing, and no

need to re-pair next time. The effective distance of Bluetooth reception is ≤ 32.8 feet. It can be easily connected with Bluetooth devices like notebooks, mobile phones, pad and other digital products.

TF Card Play Operation

When the radio is on, switch to TF card "M_PLAY" and the "▶" indicator light flashes, indicating that there is no TF card in the slot. Turn to the back of the radio, then insert the TF card in the correct direction, then press to lock the place. When TF card is inserted, the "▶" indicator light will stay on, then the music stored in the card will automatically play.

How to take out the TF Card correctly



The correct way of taking out TF card, press lightly the TF card, and it will rebound out (Please don't pull out).

Equalizer Setting

In Bluetooth playing/TF card playback mode, press the [SET] button to choose sound quality EQ mode.

There are six options:

EQ sound effect corresponding to digital indicator light is

1. NORMAL;
2. POP;
3. ROCK;
4. JAZZ;
5. CLASSIC;
6. COUNTRY





The EQ setting will be saved automatically without any operation after 3 seconds, and the EQ indicator light will turn out.

Sleep Timer Setting

Press and hold the [SET] button for two seconds, sleep mode "⏸" indicator light and number 1-7 indicator light on, then means 70 minutes of sleep shutdown function is enabled (Each light represents 10 minutes, you can set the time to 70, 60, 50, 40, 30, 20, 10 minutes or disable the sleep timer), press [SET] button again to adjust sleep shutdown time. The shutdown time settings will be saved in 5 seconds without any operation. When shutdown time comes, the radio will automatically shut down.

USB Charging Indicator Light

In the state of power on, press [MOD] button, when battery indicator light on, you can see the battery usage. when power quantity number

“1-7” indicator light is off and “” light flashes, the battery quantity is not enough. Please charge the radio in time without affecting normal use. It is recommended to use charging equipment with output voltage of DC5V / 1A-3A to charge, so as to avoid damage to the lithium battery and the radio. If the lithium battery will not be used for a long time, please make sure to take it out and store it separately, and ensure that it is charged once a month. Connect the USB to the 5V USB adapter or the computer USB socket, then insert the USB-C port into the “ DC 5V” jack at the back of the radio to charge, or it can be used as an external power supply. When plugging the USB charging cable to charge, “” the indicator light is flashing. When the battery is fully charged, “” the indicator light will stop flashing. Generally, the charging time is about 3-4 hours.

Music Spectrum Light

Quickly press [MOD] key twice to enable music spectrum light. The light flashes from high to low, from low to high, interacting with the music beat. Quickly press the [MOD] key twice again to turn it off. Available on Radio/Bluetooth/SD card mode.

Usage of the Antenna

When listening to short wave & FM Radio & WB weather bands, pull out the antenna and adjust the length or direction to find the best-receiving position.

Tip: if strong radio interference causes crosstalk, you can shorten the telescopic antenna.

Listen to the MW medium wave broadcast. The radio uses a built-in magnetic antenna to receive the medium wave. The magnetic antenna has a certain directive when receiving the signal. Therefore, when listening to the medium wave, rotate the direction of the radio body appropriately to find the best listening effect position.

External Antenna

When the indoor signal is poor, connecting an external antenna can help improve the FM/SW reception. 9.84 feet long, it's portable and flexible, very easy to install.

1. Put the spring coil of the external antenna outdoors or hang outside the window. Make sure the spring coil is perpendicular to the horizontal plane.
2. Extend the antenna cord.
3. Finally, clamp the alligator clip of the external antenna to the head of the radio's built-in antenna.



NOTE: DO NOT use the external antenna during thunderstorms.

Technical Specification


Receiving Range	MW: 522-1620KHZ (Medium Wave Step Value 9KHZ) 520-1710KHZ (Medium Wave Step Value 10KHZ) FM: 87-108MHZ SW:5.70-17.90MHZ WB:162.400-162.550MHZ
Receiving Sensitivity	FM: ≤8dB MW: ≤86dB SW: ≤32dB
Quiescent Current	≤60uA
Maximum Current	≤650MA
Speaker	Φ40mm/4Ω/3W
Signal to Noise Ratio	FM: ≥40dB MW: ≥30dB SW: ≥40dB
Radio Mode Storage Quantity	110 can be stored. (20 Frequency Modulations, 20 Medium Waves, 70 Short Waves)
Bluetooth Edition	VER 5.0
Bluetooth Receiving Distance	≤32.8 meters
Minimum Operating Voltage	3.4V
External Input Voltage	Direct Current: DC.5v
Lithium Battery	BL-5C Lithium Battery: 3.7v 1000mAh
TF Card Playing Format	MP3,WAV WMA
TF Card Maximum Supported Capacity	256G
Channel Selection Mode	Coding pulley switch station adjustment / full-automatic search and storage station
Product Size	89.2X61X37.8mm
Net Weight	100g

Warranty Card

User Name		Unit	
Zip Code		Tel	
Address			
Tel			
Purchase Date			
Maintenance Record			

Thank you for your purchase. Please read this operation guide carefully and keep it properly before use.

Documents / Resources

	<p>RADDY RF750 Portable Shortwave Radio with Bluetooth Music Player [pdf] User Manual RF750 Portable Shortwave Radio with Bluetooth Music Player, RF750, Portable Shortwave Ra dio with Bluetooth Music Player, with Bluetooth Music Player, Bluetooth Music Player, Music Pla yer</p>
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References

- [Raddy Outdoor | Be prepared, get Raddy](#)