Raddy RF919

Raddy RF919 SSB Shortwave Radio User Manual

Model: RF919 | Brand: Raddy

1. INTRODUCTION

Thank you for choosing the Raddy RF919 SSB Shortwave Radio. This device is a versatile full-band receiver designed for enthusiasts and general users alike, offering reception across FM, AM, SW, SSB, VHF, UHF, AIR, CB, and WB frequencies. It features an antenna tuner, multiple external antenna ports, and a large capacity rechargeable battery, providing a comprehensive listening experience.

Included Components:

- Raddy RF919 Radio Unit
- Power Cord
- Antenna
- Battery
- Earphone
- User Manual
- 3.5mm Headphone Jack
- Adapter
- Bluetooth Stereo
- Auxiliary Cable
- Carrying Pouch

2. PRODUCT OVERVIEW

Figure 2.1: Front view of the Raddy RF919 SSB Shortwave Radio, showcasing its dual screens, speaker, and control panel.

The Raddy RF919 is engineered for comprehensive radio reception and user convenience. Key features include:

- **Multi-band Reception:** Supports FM, AM, SW, SSB, VHF, UHF, AIR, CB, and WB frequencies.
- **Versatile Tuning Options:** Dual knob tuning for main and fine adjustments, direct keypad input, and up/down buttons.
- **Dual Screens:** A 3.54-inch main screen for reception status and a secondary screen for signal strength, time, and music spectrum.
- **APP Control:** Manage the radio intuitively with the Radio-CT intelligent app for single-handed operation.
- **Enhanced Audio:** Features a 20W speaker with subwoofer, Bluetooth connection, and micro SD card support for an expandable music library.
- **Multiple Antenna Ports:** Three external antenna interfaces (VHF/UHF SMA Male, AM Antenna, 3.5mm SW) for optimized reception.

Figure 2.2: Illustration of the Raddy RF919's multi-band reception capabilities, including FM, AM, SW, SSB, VHF, UHF, AIR, CB, and WB.

Figure 2.3: Depiction of enhanced MW/LW reception with the Raddy RF919, utilizing a 3.5mm external antenna.

Official Product Video: Raddy RF919 Full Band SW Receiver with SSB | APP Control

This video demonstrates the Raddy RF919's full band reception, including SSB, and highlights its APP control capabilities for convenient operation.

3. SETUP

3.1 Initial Charging

Before first use, fully charge the Raddy RF919's 5000mAh battery using the provided power cord and adapter. Connect the Type-C port on the radio to a suitable power source. The charging indicator on the display will show charging status.

3.2 Antenna Connection

The RF919 comes with a built-in telescopic antenna. For enhanced reception, especially on certain bands, utilize the external antenna ports:

- **VHF/UHF SMA Male Port:** For connecting external VHF/UHF antennas.
- **AM Antenna Port:** For connecting external AM loop antennas.
- **3.5mm SW Port:** For connecting external shortwave wire antennas.

Ensure the external antenna is securely connected to the appropriate port. Use the ON-ANT/OFF switch to select between the built-in and external antenna, if applicable.

Figure 3.1: Close-up view of the Raddy RF919's three external antenna ports: VHF/UHF SMA Male, AM Antenna, and 3.5mm SW Port.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Press and hold the power button (usually marked with a power symbol) to turn the radio on or off. The main screen will illuminate upon power-on.

4.2 Band Selection

Use the dedicated band buttons (FM, AM, SW, VHF, UHF, AIR, CB, WB) to switch between different frequency

bands. The main screen will update to show the selected band and current frequency.

4.3 Tuning Options

The RF919 offers multiple ways to tune into frequencies:

- **Dual Knob Tuning:** Use the main tuning knob for large frequency changes and the fine-tuning knob for precise adjustments.
- **Up/Down Buttons:** Incrementally adjust the frequency.
- **Number Keypad:** Directly enter the desired frequency.
- **Antenna Tuner:** For optimal signal reception, adjust the rear antenna tuner knob in conjunction with the side knob.

Figure 4.1: Demonstrates the versatile tuning options of the Raddy RF919, including main tuning, fine-tuning, signal tuning, and direct keypad input.

4.4 Channel Storage and Recall

The radio can store up to 1600 channels. Refer to the on-screen menu for instructions on saving and recalling your favorite stations.

Figure 4.2: Visual representation of the Raddy RF919's large storage capacity, capable of storing up to 1600 radio stations.

4.5 Dual Screen Information

The main 3.54-inch work screen displays essential reception data such as mode, bandwidth, frequency, and status. The secondary color info screen provides signal strength (SNR), time, and signal-to-noise ratio (RSSI). The customizable seven-color backlight can be adjusted to your preference.
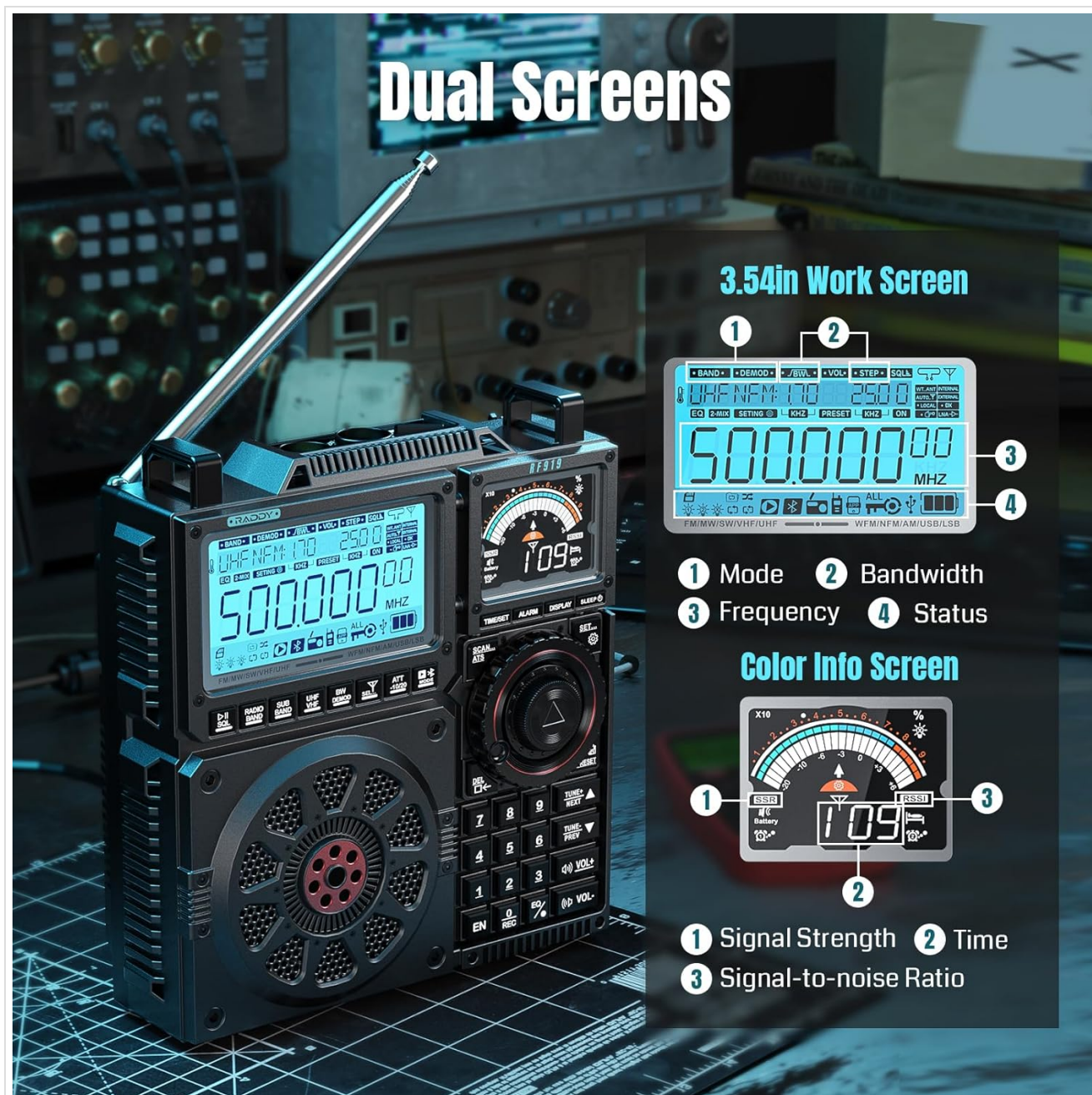
Figure 4.3: Detailed view of the Raddy RF919's dual screens, highlighting the main work screen and the secondary color info screen with their respective data displays.

4.6 APP Control (Radio-CT)

Download the 'Radio-CT' app to your smartphone for remote control functionality. The app allows for intuitive single-handed operation, frequency tuning, and managing settings wirelessly.

4.7 Audio Features

- **Bluetooth Connectivity:** Pair your device via Bluetooth to stream audio through the radio's 20W speaker.
- **Micro SD Card Playback:** Insert a micro SD card with audio files for direct playback.
- **3.5mm Headphone Jack:** Connect headphones for private listening.
- **Aux-in Port:** Connect external audio sources using an auxiliary cable.

5. MAINTENANCE

5.1 Cleaning

Wipe the radio's exterior with a soft, dry cloth. Do not use abrasive cleaners, solvents, or strong chemicals, as these

may damage the finish or internal components.

5.2 Battery Care

To prolong battery life, avoid fully discharging the 5000mAh battery frequently. Recharge the radio when the battery indicator shows low power. If storing the radio for an extended period, charge it to approximately 50% every few months.

5.3 Storage

Store the radio in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity. Keep it away from strong magnetic fields.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Low battery; Power button not pressed correctly.	Charge the battery fully. Press and hold the power button for a few seconds.
Poor reception on certain bands.	Weak signal; Incorrect antenna selection; Environmental interference.	Extend the telescopic antenna fully. Connect an appropriate external antenna and switch to it. Try moving to a different location away from electronic devices. Adjust the antenna tuner.
Buttons are unresponsive.	Temporary software glitch; Low battery.	Recharge the battery. Try restarting the radio. If issues persist, contact customer support.
Bluetooth connection issues.	Device not in pairing mode; Out of range; Interference.	Ensure the radio is in Bluetooth pairing mode. Keep the paired device within range. Restart both devices.

7. SPECIFICATIONS

- **Product Dimensions:** 5.91 x 1.97 x 11.81 inches
- **Item Weight:** 3.16 pounds
- **Model Number:** RF919
- **Batteries:** 1 Lithium Ion battery required (5000mAh)
- **Connectivity Technology:** Bluetooth
- **Tuner Technology:** SSB FM AM SW VHF UHF AIR CB WB
- **Special Feature:** Portable, Rechargeable
- **Manufacturer:** Raddy
- **Country of Origin:** China

8. WARRANTY & SUPPORT

Raddy products are designed and manufactured to the highest quality standards. For information regarding warranty coverage, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official Raddy brand store.

Official Raddy Store: Raddy Store on Amazon