radtel RT-752

Radtel RT-752 Ham Radio User Manual

Model: RT-752

INTRODUCTION

The Radtel RT-752 is a versatile 10W handheld ham radio designed for reliable two-way communication. It features a wide frequency range, 250 programmable channels, dual Push-To-Talk (PTT) buttons, and advanced functions like frequency copying, voice recording, and vibration alerts. Its robust design and long-lasting battery make it suitable for various communication needs.

Figure 1: Radtel RT-752 Ham Radio

What's in the Box

Verify that all items are present upon unboxing:

- 1 x RT-752 Radio Unit
- 1 x 2600mAh USB-C Battery
- 1 x Desktop Charger with AC Power Adapter
- 1 x USB-C Charging Cable
- 1 x Antenna
- 1 x Belt Clip
- 1 x Hand Strap
- 1 x User Manual (this document)

Product Overview

Familiarize yourself with the components and controls of your RT-752 radio.

Figure 2: RT-752 Key Features - 1.77-inch large LCD, 250 channels, Type-C charging, vibration function, digital encryption, scan/scan add/delete.

Physical Features

- **Antenna Port:** Connects the high-gain antenna for optimal signal transmission and reception.
- **Power**/**Volume Knob:** Rotates to turn the radio on/off and adjust volume.
- **Channel**/**Frequency Knob:** Rotates to select channels or adjust frequency.
- **LCD Display:** 1.77-inch screen displaying frequency, channel, battery status, and other indicators.
- **Keypad:** Numeric and function keys for input and menu navigation.
- **Dual PTT Buttons:** Two Push-To-Talk buttons for independent A/B band transmission.
- **Speaker**/**Microphone Jacks:** Standard K-interface for external audio accessories.
- **USB-C Charging Port:** Located on the battery for direct charging.

Figure 3: Microphone K Interface

Figure 4: High-Gain Antenna

Figure 5: Type-C Charging Port

Figure 6: Dual PTT Buttons

SETUP

1. Battery Installation and Charging

1. Align the battery pack with the grooves on the back of the radio and slide it upwards until it clicks into place.

2. To charge the battery:

- **Using Desktop Charger:** Connect the AC power adapter to the desktop charger, then place the radio (with battery installed) into the charging cradle. The indicator light will show charging status.

- **Using USB-C Cable:** Plug the USB-C charging cable directly into the USB-C port on the battery pack. Connect the other end to a compatible USB power source.

3. Ensure the battery is fully charged before first use for optimal performance. A full charge typically takes 3-4 hours.

Figure 7: Charging Options (Type-C and Desktop Charger)

2. Antenna Attachment

Screw the provided antenna clockwise into the antenna connector on top of the radio until it is finger-tight. Do not overtighten.

3. Belt Clip and Hand Strap

Attach the belt clip to the back of the radio using the provided screws. Thread the hand strap through the designated loop

on the radio for secure carrying.

OPERATING INSTRUCTIONS

Power On/Off and Volume

Rotate the Power/Volume knob clockwise to turn the radio on. Continue rotating to increase the volume. Rotate counter-clockwise to decrease volume and turn off the radio.

Channel/Frequency Selection

Use the Channel/Frequency knob or the keypad to select desired channels or input specific frequencies. The 1.77-inch LCD will display the current selection.

Transmitting and Receiving (PTT)

To transmit, press and hold one of the Dual PTT buttons on the side of the radio. Speak clearly into the microphone. Release the PTT button to receive. The RT-752 supports dual PTT for independent operation on two bands (A and B).

Fast Copy Frequency

The radio can quickly copy frequencies from nearby radios. Refer to the detailed menu instructions in the full manual for this feature's specific steps.

Voice Recording and Playback

The RT-752 includes a voice recording function to capture important transmissions. Access this feature through the radio's menu system. Recorded audio can be played back directly on the device.

Figure 8: Voice Recording and Playback Function

Vibration Alert

The radio can be set to vibrate when a signal is received, providing a discreet alert for incoming transmissions, especially useful in noisy environments or when visual/auditory alerts are not preferred.

Figure 9: Vibration Warning upon Call Reception

Air Band Reception

The RT-752 supports AM: 108-136MHz RX for aviation reception, allowing users to monitor air traffic communications.

Figure 10: Aviation Reception Capability

Maintenance

Cleaning

Wipe the radio with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure all ports are dry before charging or connecting accessories.

Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Store the radio and battery in a cool, dry place when not in use for extended periods. Recharge the battery at least once every three months if stored.

Figure 11: Long Lasting Battery for Extended Standby

TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Battery is not installed correctly or is discharged.	Ensure battery is properly seated. Charge the battery fully.
Cannot transmit or receive.	Incorrect frequency/channel, antenna not attached, or out of range.	Verify frequency/channel settings. Ensure antenna is securely attached. Move closer to the other radio.
Poor audio quality.	Low battery, weak signal, or interference.	Charge battery. Adjust antenna position. Move away from sources of interference.
Vibration alert not working.	Vibration function is disabled in settings.	Check radio settings to ensure vibration alert is enabled.

SPECIFICATIONS

- **Model:** RT-752
- **Output Power:** 10W
- **Channels:** 250
- **Frequency Range:**

    - Receiver (RX): 18-1000MHz
    - Aviation Band (AM RX): 108-136MHz
    - Transmit/Receive (TX/RX): 144-148MHz / 420-450MHz

- **Battery:** 2600mAh Lithium Ion (included)
- **Charging:** USB-C and Desktop Charger
- **Display:** 1.77-inch Large LCD
- **Special Features:** Dual PTT, Fast Copy Frequency, Voice Recording, Vibration Alert, Digital Encryption, Scan Function

- **Dimensions:** Approximately 8.19 x 5.94 x 2.8 inches (Package)
- **Weight:** Approximately 1.28 pounds (Item)
- **Water Resistance Level:** Water Resistant

Figure 12: 10W Power for Ultra Long Distance Communication
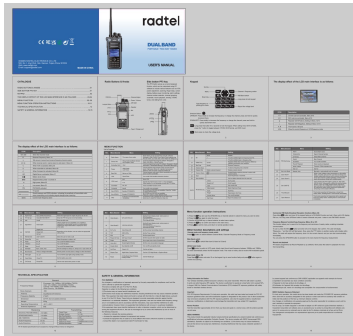
WARRANTY AND SUPPORT

The Radtel RT-752 comes with a **1-Year Warranty** from the date of purchase, covering manufacturing defects. This warranty does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear. For technical support, warranty claims, or further assistance, please contact Radtel customer service through the retailer where the product was purchased or visit the official Radtel website for contact information.
Manufacturer: Xiamen Radtel Electronics Co.,Ltd

Related Documents - RT-752
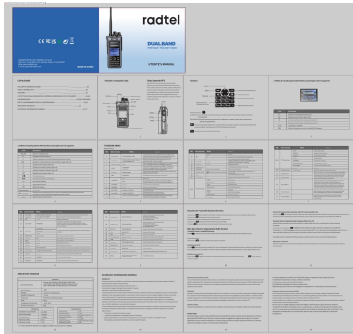
	Radtel RT-910/RT-910B Dual Band Two-Way Radio User Manual Comprehensive user manual for the Radtel RT-910 and RT-910B dual band two-way radios, detailing features, operations, button functions, display indicators, menu system, technical specifications, and safety information.
	Radtel RT-752 Dual Band Two-Way Radio User Manual This user manual provides comprehensive instructions for operating the Radtel RT-752 dual band two-way radio, covering its features, menu functions, technical specifications, and safety guidelines.
	Radtel RT-900 Two Way Radio User Manual and Specifications Comprehensive guide to the Radtel RT-900 Two Way Radio, covering features, operation, menu functions, technical specifications, and safety information.
	radtel RT-910/RT-910B Zweiwegradio Bedienungsanleitung Umfassende Bedienungsanleitung für das radtel RT-910/RT-910B Zweiwegradio. Enthält Informationen zu Funktionen, Tastenbelegung, Menüführung, Sicherheitshinweisen und technischen Spezifikationen.
	Manual de Usuario Radio Bidireccional Radtel RT-910/RT-910B Guía completa del usuario para la radio bidireccional Radtel RT-910 y RT-910B. Aprenda sobre sus funciones, operaciones, especificaciones técnicas y seguridad.
	Manuale d'Uso Ricetrasmettitore Radtel RT-860 Manuale d'uso completo per il ricetrasmettitore Radtel RT-860, con istruzioni dettagliate su precauzioni, funzioni della tastiera, impostazioni, gestione dei canali e specifiche tecniche.

[Radtel RT-752 Dual Band Two-Way Radio User Manual](#)
This user manual provides comprehensive instructions for the Radtel RT-752 dual band two-way radio, covering its features, operation, menu functions, technical specifications, and safety guidelines.
lang:en score:32 filesize: 1.1 M page_count: 1 document date: 2024-06-21

[Radtel RT-752 Dual Band Two-Way Radio User Manual](#)
This user manual provides comprehensive instructions for operating the Radtel RT-752 dual band two-way radio, covering its features, menu functions, technical specifications, and safety guidelines.
lang:it score:27 filesize: 1.36 M page_count: 1 document date: 2024-06-21
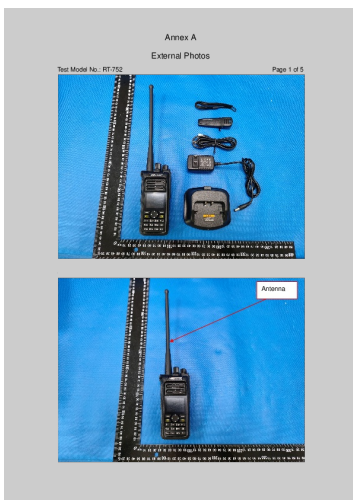
[pdf]
dell990 2 911 d 7 US Agent for Service of Process v1 4 Xiamen Radtel Electronics Co Ltd RT752 2AZSA 2AZSART752 rt752
Xiamen Radtel Electronics Co., Ltd Section 2.911 d 7 USA Agent for Service of Process Company name: Xiamen Radtel Electronics Co., Ltd Address: 502, No.1 Jinyi Wuli, Huli, Xiamen, 361004 China Product Name: Two way radio FCC ID: 2AZSA-RT752 Model s : **RT-752**, RT-751 2.911 d 7 USA Designated Agen...
lang:en score:23 filesize: 488.2 K page_count: 2 document date: 2024-09-12

[pdf] Product Photos
Microsoft Word External photos Administrator EXTERNAL PHOTOS Xiamen Radtel Electronics Co Ltd RT752 2AZSA 2AZSART752 rt752
Test Model No.: **RT-752** Annex A External Photos Page 1 of 5 Antenna Test Model No.: **RT-752** Page 2 of 5 Test Model No.: **RT-752** Page 3 of 5 Test Model No.: **RT-752** Page 4 of 5 Test Model No.: **RT-752** Page 5 of 5 ...
lang:en score:14 filesize: 4.82 M page_count: 5 document date: 2024-09-19