

radtel RT-880

Radtel RT-880 Portable Handheld Walkie Talkie User Manual

Model: RT-880 | Brand: Radtel

INTRODUCTION

Thank you for choosing the Radtel RT-880 10W Portable Handheld Walkie Talkie. This device is designed for reliable and clear two-way communication, featuring 1024 channels, cross-band repeater functionality, and support for HF, CB, and SSB ham radio frequencies. This manual provides essential information for the proper setup, operation, and maintenance of your RT-880 to ensure optimal performance and longevity.

WHAT'S IN THE BOX

Upon opening your Radtel RT-880 package, please verify that all the following items are included:

- 1x RT-880 Main unit
- 1x 2400mAh Li-ion Battery
- 1x Dual band antenna
- 1x Belt Clip
- 1x Type C charging Cable
- 1x Power supply with USB port
- 1x English User Manual

Cross-Band Repeater

Can transfer UV cross-band and
UU same-frequency inter-transfer



Figure 1: All components included in the Radtel RT-880 package.

PRODUCT FEATURES OVERVIEW

Portable and Lightweight Design

The RT-880 is designed for portability, making it ideal for various activities such as hiking, camping, or professional event coordination. Its compact form factor ensures ease of carrying and handling.



Figure 2: Compact design of the Radtel RT-880 units.

Powerful Performance & Long Range

Equipped with advanced technology, the RT-880 delivers strong and clear signals, ensuring reliable communication over long distances. It functions as a robust GMRS radio and ham radio, suitable for both professionals and outdoor enthusiasts.

RT-880 GMRS RADIO

2.4IN Color Display

2400mAh Battery

1024 Channels



Figure 3: Key features of the RT-880 including display, battery, and channel capacity.

Dual PTT and Antenna Interface

The RT-880 features dual Push-To-Talk (PTT) buttons for flexible operation and a dual antenna interface for enhanced signal reception and transmission versatility.

Your browser does not support the video tag.

Video 1: Demonstrates the physical features of the Radtel RT-880, including its hard housing, dual PTT buttons, dual antenna interface, and Type-C/desktop charging options. This video provides a visual overview of the radio's robust build and user-friendly design elements.

Cross-Band Repeater Function

The cross-band repeater function allows the radio to transfer UV cross-band and UU same-frequency inter-transfer, extending communication range and flexibility.



Figure 4: Illustration of the cross-band repeater capability.

User-Friendly Features

The RT-880 features an intuitive interface and easy-to-use controls, making it suitable for users of all experience levels. Its durable build ensures longevity, and its portable nature makes it an essential tool for any communication needs.

- 2.4-inch TFT HD Large Colorscreen Display
- 1024 Channels and Three VFO Channels
- Triple PTT transmission
- Triple frequency standby
- 11 NOAA Channels
- Receives aviation AM
- VOX Function
- Customize shortcut keys

- Type-C + Desk Charge
- Spectrum Scanning Function



Figure 5: Customizable features and display of the RT-880.



Figure 6: Detailed view of the RT-880's high-definition color display.

1. **Unpack and Inspect:** Carefully remove all components from the packaging. Inspect each item for any signs of damage.
2. **Install Battery:**
 - Align the 2400mAh Li-ion battery with the battery compartment on the back of the RT-880 unit.
 - Gently push the battery into place until it clicks securely.
3. **Attach Antenna:**
 - Screw the dual-band antenna clockwise into the antenna connector on the top of the radio until it is finger-tight. Do not overtighten.
4. **Charge Battery:**
 - Connect the Type-C charging cable to the radio's Type-C port or place the radio in the desktop charging cradle.
 - Connect the other end of the cable to the power supply with a USB port, and plug the power supply into a wall outlet.
 - The charging indicator on the radio will show charging status. Charge fully before first use (approximately 4-5 hours).
5. **Attach Belt Clip:**
 - Align the belt clip with the designated slots on the back of the radio.
 - Secure the belt clip using the provided screws (if applicable) or slide it into place until it locks.

OPERATING INSTRUCTIONS

Power On/Off

- To power on, rotate the power/volume knob clockwise until you hear a click and the screen illuminates.
- To power off, rotate the power/volume knob counter-clockwise until you hear a click and the screen turns off.

Volume Adjustment

- Rotate the power/volume knob clockwise to increase volume and counter-clockwise to decrease volume.

Channel/Frequency Selection

- Use the up/down arrow keys on the keypad to navigate through channels or frequencies.
- In VFO (Variable Frequency Oscillator) mode, you can directly input frequencies using the numeric keypad.
- The RT-880 supports 1024 channels and three VFO channels for flexible operation.

Transmitting (PTT)

- Press and hold the Push-To-Talk (PTT) button on the side of the radio to transmit. Speak clearly into the microphone.
- Release the PTT button to receive.
- The RT-880 features dual PTT buttons for convenience.

Menu Navigation

- Press the **MENU** button to access the main menu.
- Use the up/down arrow keys to scroll through menu options.
- Press **OK** or the corresponding number to select an option.

- Press **EXIT** to return to the previous screen or exit the menu.



Figure 7: Example of menu navigation on the RT-880.

MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:**
 - To maximize battery life, fully charge the battery before first use.
 - Avoid overcharging or completely draining the battery.
 - If storing the radio for an extended period, remove the battery and store it in a cool, dry place.
- **Antenna Care:** Ensure the antenna is securely attached. Avoid bending or stressing the antenna, as this can damage the connector or affect performance.
- **Storage:** Store the radio in a dry, dust-free environment away from extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Battery is low or not installed correctly.	Charge the battery or ensure it is properly seated.
Cannot transmit or receive.	Incorrect frequency/channel, out of range, or antenna not connected.	Verify frequency/channel settings. Move closer to other radios. Check antenna connection.
Poor audio quality.	Low battery, interference, or radio too far apart.	Charge battery. Move away from sources of interference. Reduce distance between radios.
Keypad unresponsive.	Keypad lock is active.	Refer to the operating instructions to unlock the keypad.

SPECIFICATIONS

- **Model:** RT-880
- **Item Weight:** 1.52 pounds
- **Product Dimensions:** 1.26 x 2.36 x 12 inches
- **Batteries:** 1 9V batteries required (included)
- **Manufacturer:** Xiamen Radtel Electronics Co.,Ltd

- **Brand:** Radtel
- **Color:** Standard
- **Number of Channels:** 1024
- **Special Feature:** AM USB LSB CW CB LW MW SW SSB Reception, 1024 Channels, Cross Band Repeater Function
- **Frequency Range:** 144-148Mhz/420-450Mhz
- **Talking Range Maximum:** 5 Kilometer
- **Tuner Technology:** AM/FM/SSB
- **Voltage:** 7.38 Volts
- **Water Resistance Level:** Not Water Resistant

WARRANTY AND SUPPORT

The Radtel RT-880 comes with a **1-Year Warranty** from the manufacturer, Xiamen Radtel Electronics Co.,Ltd. This warranty covers defects in materials and workmanship under normal use. For technical support, warranty claims, or service inquiries, please contact the manufacturer or your authorized dealer. Keep your purchase receipt as proof of purchase for warranty purposes. Additional protection plans may be available for purchase:

- 2-Year Protection Plan
- 3-Year Protection Plan
- Complete Protect: One plan covers all eligible past and future purchases



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Related Documents - RT-880

	Radtel RT-880 User Manual Comprehensive user manual for the Radtel RT-880 two-way radio, detailing its features, operation, settings, and troubleshooting for effective communication.
	Radtel RT-490 User Manual Comprehensive user manual for the Radtel RT-490 Six Band Handheld Two-Way Radio, detailing features, operation, programming, and Bluetooth connectivity.

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.

Manuel d'utilisation Radio Bidirectionnelle Radtel RT-880

Guide complet pour l'utilisation de la radio bidirectionnelle Radtel RT-880, couvrant les fonctions, la configuration, le dépannage et les consignes de sécurité.

Radtel RT-730 Two-Way Radio User Manual

Comprehensive user manual for the Radtel RT-730 two-way radio, covering features, operation, programming, and specifications. Learn how to use your RT-730 for reliable communication.

Radtel Funkgerät Bedienungsanleitung

Umfassende Bedienungsanleitung für das Radtel Funkgerät, die alle Funktionen, Einstellungen, Fehlerbehebung und technische Spezifikationen abdeckt. Enthält Informationen zur sicheren Nutzung und Wartung.

Documents - radtel – RT-880

Manuel d'utilisation Radio Bidirectionnelle Radtel RT-880

Guide complet pour l'utilisation de la radio bidirectionnelle Radtel RT-880, couvrant les fonctions, la configuration, le dépannage et les consignes de sécurité.

lang:fr score:38 filesize: 1.96 M page_count: 36 document date: 2025-05-08

Оглавление

1. Знакомство с радио
 - Описание компонентов
 - Назначение клавиш/функций
2. ЖК-дисплей
 - Символы и индикаторы
3. Руководство по настройке двусторонней радиосвязи
 - Методы зарядки
 - Системы с синхронизацией индикатора
4. Основные операции
 - 1.1 Установка рабочих частот
 - 1.2 Выход на частоту ретранслятора
 - 1.3 Выход на частоту ретранслятора
 - 1.4 Прием сигналов
 - 1.5 Прием сигналов CTCSS
 - 1.6 Прием сигналов с тональным ретранслятором
 - 1.7 Прием сигналов с тональным ретранслятором
5. FM-радио и коротковолновый прием
 - Активация FM-радио
 - Переключение диапазонов радиоприема
 - Прием коротковолновых сигналов
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7. Сканирование спектра
8. Список всех меню
 - 1.1 Основные настройки
 - 1.2 Основные настройки
 - 1.3 Основные настройки
 - 1.4 Основные настройки
 - 1.5 Основные настройки
 - 1.6 FM-РАДИО
 - 1.7 Управление громкостью

[Radtel RT-880: Руководство пользователя](#)

Подробное руководство пользователя для радиостанции Radtel RT-880, охватывающее основные операции, настройки, функции передачи и приема, а также информацию по безопасности.

lang:i-klingon score:31 filesize: 2.36 M page_count: 50 document date: 2025-05-08

Sommario

1. Familiarità con la radio
 - Presentazione dei componenti
 - Funzione chiave/funzione
2. Schermo LCD
 - Simboli e indicatori
3. Guida alla ricarica della radio bidirezionale
 - Metodi di ricarica
 - Stato dell'indicatore LED
4. Funzionamento di base
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 - 1.2 Impostazione di frequenza
 - 1.3 Impostazione di frequenza del ripetitore
 - 1.4 Trasmissione di segnali
 - 1.5 Ricezione dei segnali
 - 1.6 Impostazioni CTCSS
 - 1.7 Impostazione cross-band U/V
 - 1.8 Funzione DTMF
 - 1.9 Funzione di immissione di testo
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 - 1.3 Impostazione analogica
 - 1.4 Impostazione CB
 - 1.5 Impostazione della crossS
 - 1.6 FM RADIO
 - 1.7 Gestione del tempo
9. Operazione avanzata
10. Guida alla risoluzione dei problemi

[Manuale Utente Radio Bidirezionale Radtel RT-880](#)

Guida completa per l'utente della radio bidirezionale Radtel RT-880, che copre familiarità con il dispositivo, funzionamento di base, impostazioni avanzate, ricezione FM/AM, scansione dello spettro, risoluzione dei problemi e specifiche tecniche.

lang:it score:31 filesize: 2 M page_count: 57 document date: 2025-05-08

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 - 1.8 DTMF-Funktion
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 - 1.3 Anlage-Einstellung
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 - 1.7 Zeitmanagement
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10. Anleitung zur Fehlerbehebung
11. Technische Spezifikation
12. SICHERHEIT & ALLGEMEINE INFORMATIONEN

[Radtel Funkgerät Bedienungsanleitung](#)

Umfassende Bedienungsanleitung für das Radtel Funkgerät, die alle Funktionen, Einstellungen, Fehlerbehebung und technische Spezifikationen abdeckt. Enthält Informationen zur sicheren Nutzung und Wartung.

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 - 3. Configuración analógica
 - 4. Configuración de CH
 - 5. Configuración de zona
 - 6. Radio FM
 - 7. Gestión del tiempo
9. Operación avanzada
10. Guía de resolución de problemas

[Manual de Usuario Radtel RT-880: Guía Completa de Operación y Características](#)

Guía completa del manual de usuario para la radio bidireccional Radtel RT-880. Cubre la familiarización del dispositivo, operación básica y avanzada, configuración de menús, radio FM, escaneo de espectro, solución de problemas y especificaciones técnicas.

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Irado Electronics Co., Ltd.
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DECLARATION OF SIMILARITY

Date: 2025-04-17

FEDERAL COMMUNICATIONS COMMISSION
Authorization and Evaluation Division
1405 Oakland Mills Road
Columbia, MD 21046

Dear Sir or Madam:

We, Irado Electronics Co., Ltd., hereby declare that the product: FM Mobile Radio, FCC ID: Y23UV-98PLUS model: UV-98, BAJETON BJ-98, BAJETON BJ-98 Pro, model RT-880, model RT-880G, CP-998, CP-998Plus are electrically identical with the model: UV-98PLUS which was tested by Bay Area Compliance Laboratories Corp. (Xiamen) with the same electromagnetic emissions and electromagnetic compatibility characteristics.

A description of the differences between these models and that are declared similar are as follows:

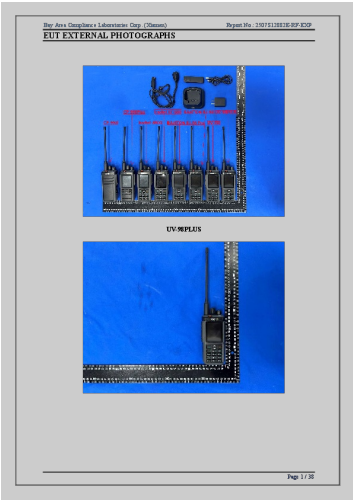
Tested Model	Series Model	Differences	Details
UV-98PLUS	CP-998	Model Name, Appearance, screen and buttons	1. The above different model names 2. CP-998 has Digital Vdo display and no buttons, while UV-98PLUS has screen and buttons Except for the differences mentioned above, everything else is the same
	CP-998Plus	Model Name, Appearance, screen and buttons	1. Their screen sizes are different, the number and distribution of buttons are different, the model names are different, but everything else is the same
	UV-98, BAJETON BJ-98, BAJETON BJ-98 Pro, model RT-880, model RT-880G	Model Name	They are the same product, but due to different electromagnetic emission characteristics, different model names, everything else is the same

[\[pdf\] Declaration of Conformity](#)

Hafwen DoS Letter Iradio Electronics Co Ltd UV 98PLUS FM Mobile Radio Y23UV Y23UV98PLUS uv 98plus

Irado Electronics Co., Ltd. ADD: No.16 Daxiamei Industrial Area, Nan'an, Quanzhou City, China TEL: ... duct: FM Mobile Radio, FCC ID: Y23UV-98PLUS model: UV-98, BAJETON BJ-98, BAJETON BJ-98 Pro, radtel **RT-880**, radtel **RT-880G**, CP-998, CP-998Plus are electrically identical with the model: UV-98PLUS whi...

lang:en score:18 filesize: 116.79 K page_count: 2 document date: 2025-07-11



[EUT External Photographs - Report No. 2507S12882E-RF-EXP](#)

External photographs of various two-way radio models including UV-98PLUS, UV-98, CP-998Plus, CP-998, radtel RT-880, radtel RT-880G, BAJETON BJ-98, and BAJETON BJ-98 Pro. The document also features images of accessories such as a power adapter (Model: GA-0502000V), charging cradle, headset, and battery pack. This report is from Bay Area Compliance Laboratories Corp. (Xiamen) with report number 2507S12882E-RF-EXP.

lang:es score:15 filesize: 5.82 M page_count: 38 document date: 2025-07-25



[Radtel RT-880 User Manual](#)

Comprehensive user manual for the Radtel RT-880 two-way radio, detailing its features, operation, settings, and troubleshooting for effective communication.

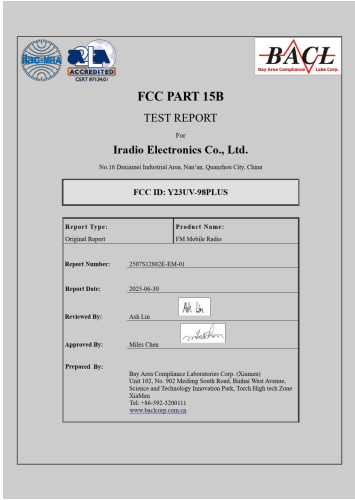
lang:es score:12 filesize: 6.43 M page_count: 33 document date: 2025-03-29



[Radtel RT-880 User Manual: Operation, Features, and Specifications](#)

Comprehensive user manual for the Radtel RT-880 two-way radio, detailing operation, features, technical specifications, and safety guidelines for effective and safe use.

lang:es score:12 filesize: 6.43 M page_count: 33 document date: 2025-03-29



[Iradio Electronics UV-98PLUS FM Mobile Radio FCC Part 15B Test Report](#)

Official FCC Part 15B test report for the Iradio Electronics UV-98PLUS FM Mobile Radio, detailing conducted and radiated emissions compliance. Tested by Bay Area Compliance Laboratories Corp.

lang:es score:10 filesize: 5.06 M page_count: 131 document date: 2025-07-23