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## radtel UV-98PLUS

# Iradio UV-98 Plus Multi-Band Walkie Talkie User Manual

Model: UV-98PLUS

## 1. INTRODUCTION

The Irado UV-98 Plus is a versatile 10W multi-band long-range walkie talkie designed for both amateur radio enthusiasts and professional users. It offers extensive frequency coverage from 18-1000 MHz, including HF/VHF/UHF bands, and supports FM/AM/SSB modes. Key features include cross-band repeater functionality, NOAA weather alerts, and convenient USB-C quick charging. This manual provides essential information for the safe and effective operation of your UV-98 Plus radio.

## 2. WHAT'S IN THE Box

Upon unboxing your Irado UV-98 Plus, please verify that all components listed below are present:

- 1x RT-880G 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 MW Antenna
- 1x SW Antenna
- 1x English User Manual

## 3. PRODUCT OVERVIEW



Image: Front view of the Irado UV-98 Plus walkie talkie, showing the display, keypad, and a USB-C programming cable. This image highlights the radio's interface and connectivity.



# MULTI-SEGMENT THREE-DISPLAY BUSINESS-PREFERRED REGULATION CONTROL

UV-98Plus



Image: Two Irado UV-98 Plus radios, one upright and one lying down, showcasing the multi-segment three-display feature. This emphasizes the radio's advanced display capabilities for business and regulation control.

**10W**  
**RF POWER**



Image: Close-up top view of the Irado UV-98 Plus, highlighting the antenna connection, rotary knobs, and indicating 10W RF power.

A USB-C cable is also visible, suggesting charging or programming capabilities.

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AIR BAND RX  
MEET BOTH  
BUSINESS  
ENTERTAINMENT  
NEEDS



UV-98Plus

Image: Front view of the Irado UV-98 Plus, with text emphasizing its Air Band RX capability, suitable for both business and entertainment needs. The display shows various frequency settings.

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# TYPE-C FAST CHARGING OPTION



Image: Side view of the Irado UV-98 Plus connected to a USB-C charging cable, highlighting its fast charging option. Icons below suggest various charging methods like wall adapter, car charger, and power bank.



# SIX-SEGMENT RX/TX COMPATIBILITY

UV-98Plus



Image: Front view of the Irado UV-98 Plus, with text indicating its Six-Segment RX/TX Compatibility. The display shows multiple frequency and channel settings, demonstrating its versatile communication capabilities.

## 4. SETUP

### 4.1 Battery Installation and Charging

1. Ensure the radio is powered off.
2. Align the battery pack with the grooves on the back of the radio.
3. Slide the battery pack upwards until it clicks into place.
4. To charge, connect the provided USB-C cable to the radio's USB-C port and the other end to the power supply with USB port.
5. The charging indicator light will show charging status (e.g., red for charging, green for fully charged).

### 4.2 Antenna Attachment

1. Screw the dual-band antenna clockwise onto the antenna connector on top of the radio until it is finger-tight. Do not overtighten.

- For specific frequency ranges, attach the MW Antenna or SW Antenna as required.

## 4.3 Belt Clip Installation

Attach the belt clip to the designated slot on the back of the radio for convenient carrying.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Power On/Off and Volume Control

- To power on, rotate the top-left knob clockwise until you hear a click.
- Continue rotating the same knob to adjust the volume.
- To power off, rotate the knob counter-clockwise until it clicks off.

### 5.2 Channel and Frequency Selection

- The UV-98 Plus supports 1024 channels and VFO (Variable Frequency Oscillator) mode.
- Use the keypad to directly input frequencies or navigate through stored channels.
- Refer to the on-screen display for current frequency and channel alias information.

### 5.3 Transmitting and Receiving

- To transmit, press and hold the Push-To-Talk (PTT) button on the side of the radio. Speak clearly into the microphone.
- Release the PTT button to receive.
- Ensure you are on an appropriate frequency and have proper licensing for transmission.

### 5.4 Special Features

- Cross-Band Repeater:** The radio can function as a cross-band repeater, allowing signals received on one band (e.g., VHF) to be re-transmitted on another (e.g., UHF) to extend communication range. Consult the full user manual for detailed setup.
- FM/AM/SSB Reception:** The UV-98 Plus supports various modulation types for versatile listening.
- NOAA Shortwave:** Access NOAA weather alerts and shortwave broadcasts for critical information.
- Air Band RX:** Receive air band frequencies for aviation communication monitoring.

## 6. MAINTENANCE

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- Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or solvents.
- Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the battery regularly, even if the radio is not in use for extended periods.
- Storage:** Store the radio in a cool, dry place away from direct sunlight and extreme temperatures. Remove the battery if storing for a long duration.
- Antenna Care:** Handle antennas carefully. Do not bend or force them, as this can damage the connector.

## 7. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Radio does not power on.	Battery is low or not installed correctly.	Charge the battery or re-install it securely.

Problem	Possible Cause	Solution
Cannot transmit or receive.	Incorrect frequency/channel, antenna not connected, 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 squelch level. Move to an area with better signal.
Display is blank or frozen.	Software glitch or battery issue.	Remove and re-insert the battery to reset the radio. If problem persists, contact support.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	UV-98PLUS
Item Weight	1.36 pounds
Product Dimensions	1.26 x 1.18 x 12 inches
Batteries	1 9V batteries required. (included)
Number of Channels	1024
Frequency Range	144-148Mhz/420-450Mhz (Operating) 18-1000 MHz (Reception)
Talking Range Maximum	10 Kilometer (approx. 6.2 miles)
Tuner Technology	AM/FM/SSB
Voltage	7.4 Volts
Water Resistance Level	Not Water Resistant
Special Features	TYPE C charging, AM FM SSB Reception, 1024 Channels, Cross Band Repeater, Long Range
Manufacturer	Xiamen Radtel Electronics Co.,Ltd

## 9. WARRANTY AND SUPPORT

### 9.1 Warranty Information

The Irado UV-98 Plus comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or natural disasters.

### 9.2 Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact the manufacturer, Xiamen Radtel Electronics Co.,Ltd. Refer to the product packaging or the official Radtel website for the most current contact information.

## Related Documents - UV-98PLUS

	<p><a href="#">Radtel RT-490 User Manual</a></p> <p>Comprehensive user manual for the Radtel RT-490 Six Band Handheld Two-Way Radio, detailing features, operation, programming, and Bluetooth connectivity.</p>
	<p><a href="#">Radtel RT-910/RT-910B Dual Band Two-Way Radio User Manual</a></p> <p>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.</p>
	<p><a href="#">Radtel RT-752 Dual Band Two-Way Radio User Manual</a></p> <p>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.</p>
	<p><a href="#">Radtel RT-860 Two-Way Radio User Manual and Specifications</a></p> <p>Comprehensive user manual for the Radtel RT-860 two-way radio, detailing its features, operation, keypad functions, LCD display, various settings (analog, channel, zone, radio, temporary message), and technical specifications. Includes precautions and troubleshooting information.</p>
	<p><a href="#">RADTEL RT-490 User Manual: Features, Operation, and Programming</a></p> <p>Comprehensive user manual for the RADTEL RT-490 Six Band Handheld Radio. Learn about its features, functions, keypad operations, menu settings, PC and smartphone programming, and Bluetooth connectivity.</p>
	<p><a href="#">Radtel RT580 Waterproof Walkie-Talkie User Manual</a></p> <p>This user manual provides detailed instructions for operating and maintaining the Radtel RT580 waterproof walkie-talkie, covering setup, basic operations, advanced settings, and troubleshooting.</p>

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DECLARATION OF SIMILARITY

Date: 2025-04-17

FEDERAL COMMUNICATIONS COMMISSION  
Washington, D.C. 20530  
1401 G Street, N.W.  
Washington, D.C. 20530  
202-463-4592

Done this on March

We, Iradio Electronics Co., Ltd., hereby declare that the product FM Mobile Radio, FCC ID: 2AV0V-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 emission and electromagnetic compatibility test results.

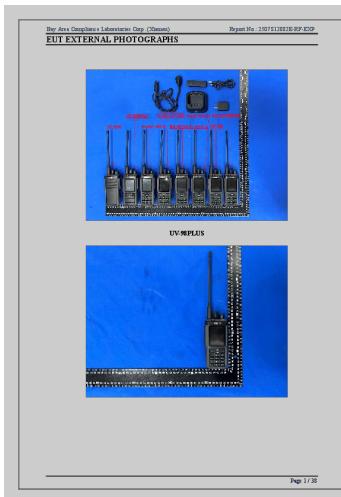
A description of the differences between these models and that are declared similar are as follows:

Tested Model	Series Model	Differences	Details
	CP-998	Model Name, Appearance (screen and buttons)	1. CP-998 have Digital radio display and no buttons, while UV-98PLUS has screen and buttons. 2. The differences mentioned above, everything else is the same.
UV-98PLUS	CP-998Plus	Model Name, Appearance (screen and buttons)	1. The screen and 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	The reason for the differences is due to different e-commerce sales channels, different model names, everything else is the same.

## Declaration of Similarity: Iradio Electronics FM Mobile Radios

Official Declaration of Similarity from Iradio Electronics Co., Ltd. confirming that various FM Mobile Radio models (UV-98, BAJETON BJ-98, radtel RT-880, CP-998, CP-998Plus) are electrically identical to the tested model UV-98PLUS, for FCC compliance.

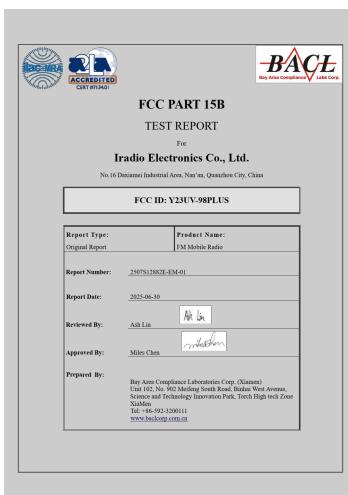
lang:en score:41 filesize: 116.79 K page\_count: 2 document date: 2025-07-11



## 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:35 filesize: 5.82 M page\_count: 38 document date: 2025-07-25



## 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:32 filesize: 5.06 M page\_count: 131 document date: 2025-07-23