

## QUANSHENG TK115

# QuanSheng TK11(5) Two Way Radio User Manual

Model: TK115

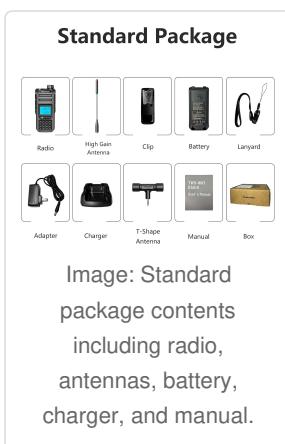
## INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient operation of your QuanSheng TK11(5) Two Way Radio. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

The QuanSheng TK11(5) is a dual-band handheld radio featuring 999 channels, 10W output power, NOAA weather scanning, and multiple charging options. It supports AM/FM/SSB reception, including aviation frequency bands, and offers dual PTT functionality for versatile communication.

## PACKAGE CONTENTS

Verify that all items are present in your package:



- 1 x QuanSheng TK11(5) Ham Radio Handheld
- 1 x 2500mAh Li-ion Battery
- 1 x T-Shape Antenna
- 1 x High Gain Antenna

- 1 x USB Charger with Type-C Cable
- 1 x Desktop Charger
- 1 x Back Clip
- 1 x English User Manual
- 1 x Lanyard

## PRODUCT OVERVIEW

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The QuanSheng TK11(5) radio is designed for robust performance and ease of use. Below are its key physical characteristics and dimensions.

24.6CM/9.69Inch



5.4CM/2.13Inch

13.8CM/5.43Inch



3.4CM/1.34Inch

Image: Front and side views of the Quansheng TK11(5) radio, illustrating its dimensions. The radio measures approximately

13.8 cm (5.43 inches) in height, 5.4 cm (2.13 inches) in width, and 3.4 cm (1.34 inches) in depth. With the standard antenna attached, the total height is approximately 24.6 cm (9.69 inches).

## Antenna Types

# High Gain Antenna

50/144/430MHz

24.6CM/9.69Inch



# T-Shape Antenna

0.153-18MHz



Image: Two types of antennas included with the radio. The High Gain Antenna (50/144/430MHz) measures approximately 24.6 cm (9.69 inches). The T-Shape Antenna (0.153-18MHz) is more compact, measuring approximately 7.4 cm (2.8 inches) in height and 6.8 cm (2.68 inches) in width.

## SETUP

### 1. Battery Installation

1. Align the 2500mAh Li-ion battery with the battery compartment on the back of the radio.
2. Slide the battery into place until it clicks securely.
3. To remove, press the release latch (if present) and slide the battery out.

### 2. Antenna Attachment

1. Select the appropriate antenna for your desired frequency range (High Gain for 50/144/430MHz, T-Shape for 0.153-18MHz).
2. Screw the antenna clockwise onto the connector at the top of the radio until it is finger-tight. Do not overtighten.

### 3. Initial Charging

Before first use, fully charge the battery. The radio offers multiple charging options:

# Type-C Fast Charger

● Green: Fully Charged    ● Red: Charging



USB Charging



Car Charger



USB Charging



Computer charging



Power Bank Charging



Car Charger

Image: Demonstrates various charging methods for the QuanSheng TK11(5) radio using its Type-C port. Options include USB wall charging, computer USB charging, power bank charging, and car charger charging. The radio also supports charging via a desktop charger. A green indicator light signifies a full charge, while red indicates charging in progress.

- **Desktop Charger:** Place the radio with the battery installed into the desktop charging cradle. Connect the adapter to the cradle and a power outlet.
- **Type-C Direct Charging:** Connect the Type-C cable to the radio's Type-C port and to a USB power source (e.g., wall adapter, computer, power bank, car charger).

The charging indicator will typically show red during charging and turn green when fully charged. A full charge can take approximately 5 hours.

## OPERATING INSTRUCTIONS

### 1. Power On/Off

Rotate the power/volume knob clockwise to turn the radio on. Continue rotating to adjust the volume. Rotate counter-clockwise until a click is heard to turn the radio off.

### 2. Channel Selection

Use the up/down arrow keys or the keypad to select desired channels. The radio supports 999 channels.

### 3. Push-to-Talk (PTT)

Press and hold the PTT button on the side of the radio to transmit. Release the PTT button to receive.



Image: Close-up of the Quansheng TK11(5) radio highlighting its dual PTT buttons (PTT 1 and PTT 2). This feature allows for dual receiving and dual PTT functionality, helping to avoid cross-model interference and supporting cross-band intercom.

### 4. Dual PTT Functionality

The radio features two programmable PTT buttons (PTT1 and PTT2) for enhanced flexibility, allowing for quick switching between two different frequencies or channels without manual selection. This supports cross-band intercom and helps avoid interference.

## 5. NOAA Weather Scanner Mode

The radio can scan all 10 official NOAA weather channels to provide real-time weather monitoring and alerts.



Image: The QuanSheng TK11(5) radio displaying NOAA weather alerts on its screen. The radio supports SAME decoding and can monitor 10 NOAA channels for real-time weather information.

To activate NOAA Weather Scanner Mode, refer to the specific menu options in your radio's display. This feature is useful for outdoor activities, marine operations, and daily commuting.

## 6. AM/FM/SSB Reception & Aviation Band

The radio supports a wide range of receiving bands, including AM, FM, and SSB (Shortwave Communication). It also includes the aviation frequency band.



Image: The QuanSheng TK11(5) radio with text indicating support for AM, FM, and SSB (Shortwave Communication). An airplane icon and radio icon symbolize its capability for aviation frequency band reception and general radio functions. Access these modes via the radio's menu system. Consult the on-screen interface for specific navigation.

## 7. Keypad Lock

To prevent accidental key presses, activate the keypad lock feature through the radio's menu settings.

## MAINTENANCE

### 1. Cleaning

- Wipe the radio's surface with a soft, damp cloth.
- Do not use harsh chemicals, solvents, or abrasive cleaners.
- Ensure the radio is dry before use or storage.

### 2. Battery Care

- Charge the battery fully before initial use.
- Avoid overcharging or completely draining the battery to prolong its lifespan.
- Store the radio and battery in a cool, dry place when not in use for extended periods.

### 3. Storage

When storing the radio for long periods, remove the battery and store it separately. Keep the radio in a dry, dust-free environment away from direct sunlight and extreme temperatures.

## TROUBLESHOOTING

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### No Power

- Check if the battery is properly installed and charged.
- Ensure the power/volume knob is turned clockwise sufficiently.

### Cannot Transmit or Receive

- Verify the antenna is securely attached.
- Check if the channel is correctly selected and within the radio's operating frequency range.
- Ensure the battery has sufficient charge.
- Confirm that the PTT button is being pressed correctly during transmission.

### Poor Audio Quality

- Adjust the volume level.
- Check for obstructions between radios or excessive distance.
- Ensure the antenna is properly connected.

### Keypad Unresponsive

- Check if the keypad lock feature is activated. Deactivate it through the menu.

## SPECIFICATIONS

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Image: The QuanSheng TK11(5) radio screen showing its receiving band of 0.153-1160MHz and transmitting bands including 50-54MHz, 136-174MHz (VHF), and 350-490MHz (UHF).

Feature	Detail
Brand	QUANSHENG
Model Number	TK115
Color	Black
Number of Channels	999
Special Features	Digital Display, Dual Band, Emergency Alarm, Keypad Lock, Long Range
Frequency Range (Transmit)	136-174 MHz (VHF), 350-490 MHz (UHF)
Frequency Range (Receive)	0.153-1160 MHz (including AM/FM/SSB, Aviation Band)
Talking Range Maximum	4.99 Kilometers (up to 10 km in open terrain with 10W output)
Voltage	7.4 Volts DC

Feature	Detail
Water Resistance Level	Not Water Resistant
Battery Type	2500mAh Li-ion (1 included)
Battery Average Life	5 Hours (typical usage)
Operating Temperature	-20°C to +60°C (-4°F to 140°F)
Antenna Impedance	50 Ohms
Tuner Type	UHF VHF
Audio Output Power	≥0.5W
Audio Distortion	≤10%
NOAA Channels	10 (with SAME decoding support)
Charging	Type-C and Desktop Charger

## WARRANTY INFORMATION

The QuanSheng TK11(5) Two Way Radio 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 exposure to water. Please retain your proof of purchase for warranty claims.

## SUPPORT

For technical assistance, troubleshooting help, or usage tips, please contact our expert support team. You can reach us via Amazon messaging for prompt service. Our team is dedicated to providing professional assistance for your two-way radio needs.