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KJDEYT TH-UV8000D

KJDEYT TYT TH-UV8000D 10W VHF UHF Two-Way Radio User Manual

Model: TH-UV8000D

1. Introduction

This manual provides detailed instructions for the safe and efficient operation of your KJDEYT TYT TH-UV8000D 10W VHF UHF Two-Way Radio. Please read this manual thoroughly before using the device to ensure proper function and to prevent damage.
The TYT TH-UV8000D is a high-power portable two-way radio designed for reliable communication across VHF and UHF bands. It features a robust 10W output, a 3800mAh battery, and a convenient Type-C charging port, making it suitable for various outdoor and professional applications.

2. Key Features

- **High Output Power:** Up to 10 Watts for extended communication range.
- **Dual Band Operation:** Supports both VHF (136-174 MHz) and UHF (400-520 MHz) frequencies for versatile use.
- **Cross-Band Repeater Function:** Enhances communication distance and coverage.
- **Large Battery Capacity:** Equipped with a 3800mAh Li-ion battery for prolonged operation.
- **Type-C Charging Port:** Offers convenient and flexible charging options.
- **Dual Display/Dual Watch:** Monitor two frequencies simultaneously.
- **128 Channels:** Ample storage for your preferred frequencies.
- **Advanced Functions:** Includes VOX, ANI, MSK, DTMF, and Remote Kill/Stun capabilities.
- **FM Radio Receive:** For entertainment and information.
- **Broad/Narrowband Selectable:** Adapt to different communication environments.

3. Package Contents

Please check the package carefully to ensure all items are present and in good condition.

- TYT TH-UV8000D Two-Way Radio Unit
- 3800mAh Li-ion Battery Pack
- Antenna (Standard)
- Desktop Charger Base
- Power Adapter for Desktop Charger
- Belt Clip
- User Manual
- USB Type-C Charging Cable (for direct battery charging)



Image: TYT TH-UV8000D radio with included accessories, showing the radio unit, battery, two antennas, desktop charger, power adapter, and user manual.

4. Setup

4.1 Battery Installation

1. Align the battery pack with the grooves on the back of the radio.
2. Slide the battery pack upwards until it clicks into place.
3. To remove, press the battery release latch (usually at the bottom of the battery) and slide the battery downwards.



Image: The 3800mAh rechargeable battery pack for the TYT TH-UV8000D, highlighting its Type-C charging capability.

4.2 Charging the Battery

The TH-UV8000D battery can be charged in two ways:

- **Using the Desktop Charger:**
    a. Connect the power adapter to the desktop charger base.
    b. Plug the power adapter into a wall outlet.
    c. Place the radio with the battery installed (or just the battery) into the charging slot. The indicator light will show charging status.
- **Using the Type-C Port:**

a. Connect a Type-C USB cable to the Type-C port on the battery pack (or radio if applicable).
b. Connect the other end of the USB cable to a compatible USB power source (e.g., car charger, power bank, USB wall adapter, computer USB port).



Image: The Type-C charging port on the battery pack, illustrating its compatibility with car charging, power banks, USB plugs, and wall charging.



Image: The TYT TH-UV8000D radio placed in its desktop charger, alongside the original 3800mAh battery and the power adapter for safe charging.

4.3 Antenna Attachment

1. Screw the antenna clockwise into the connector on the top of the radio until it is firmly seated.
2. Do not overtighten.

5. Operating Instructions

5.1 Power On/Off

- **To Power On:** Rotate the Power/Volume knob clockwise until you hear a click and the display illuminates.
- **To Power Off:** Rotate the Power/Volume knob counter-clockwise until you hear a click and the display turns off.

5.2 Adjusting Volume

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

5.3 Frequency and Channel Management

- **Frequency Range:** The radio operates on VHF (136-174 MHz) and UHF (400-520 MHz) bands.
- **Dual Display/Dual Watch:** The radio can display and monitor two different frequencies or channels simultaneously. Use the U/V button to switch between VHF and UHF bands.
- **Channel Selection:** Use the up/down arrow keys or the keypad to select desired channels. The radio supports up to 128 channels for storage.
- **Storing Frequencies:** Refer to the detailed programming guide (usually found in the full user manual) for instructions on how to store frequencies into memory channels.



Image: Front view of the TYT TH-UV8000D radio, showing its display and keypad. Key features like 10W high power, Type-C charger, and 3800mAh/7.4V battery are indicated.

5.4 Cross-Band Repeater Function

The Cross-Band Repeater function allows the radio to receive signals on one band (e.g., VHF) and re-transmit them on another band (e.g., UHF), extending the communication range. Consult the full user manual for detailed setup and

operation of this advanced feature.

5.5 Advanced Functions

- **VOX (Voice Operated Exchange):** Enables hands-free transmission when voice is detected.
- **ANI (Automatic Number Identification):** Transmits your radio's identification code.
- **MSK (Mute Scan Key):** A function related to scanning or muting.
- **DTMF (Dual-Tone Multi-Frequency):** Used for signaling, such as accessing repeaters or remote control functions.
- **Remote Kill/Stun:** Allows disabling or stunning a lost or stolen radio remotely.
- **1750 Tone:** Used to access certain repeaters.
- **Broad (Wide) / Narrowband (Narrow) Selectable:** Adjusts the channel spacing for different communication requirements.

6. Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or solvents.
- **Battery Care:**
  - Avoid fully discharging the battery frequently.
  - Store the radio and battery in a cool, dry place when not in use for extended periods.
  - Do not expose the battery to extreme temperatures or direct sunlight.
- **Antenna:** Ensure the antenna is securely attached. Do not operate the radio without an antenna.
- **Water Resistance:** This device is **Not Water Resistant**. Avoid exposure to water or high humidity.



Image: Side view of the TYT TH-UV8000D radio, emphasizing its 10W power, 3800mAh lithium battery, and features designed for dust and fall prevention.

7. Troubleshooting

If you encounter issues with your radio, please refer to the following common problems and solutions:

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 or repeater.

Problem	Possible Cause	Solution
Poor audio quality.	Low battery, weak signal, or interference.	Charge the battery. Move to an area with better signal reception. Check for sources of interference.
Battery drains quickly.	Frequent transmission at high power, or battery nearing end of life.	Reduce transmission power if possible. Consider replacing the battery if it's old.

If the problem persists after trying these solutions, please contact customer support.

8. Specifications

Feature	Detail
Brand	KJDEYT
Model Number	TYT TH-UV8000D
Frequency Range (TX)	VHF 144-148 MHz, UHF 420-450 MHz
Frequency Range (RX)	VHF 136-174 MHz, UHF 400-520 MHz
Output Power	10 Watts
Number of Channels	128
Battery Capacity	3800mAh Li-ion (7.4V)
Charging Port	Type-C
Talking Range Maximum	5 Miles (under optimal conditions)
Water Resistance Level	Not Water Resistant
Included Components	Radio unit, Battery, Antenna, Desktop Charger, Power Adapter, Belt Clip, User Manual, Type-C USB Cable

9. Warranty Information

The KJDEYT TYT TH-UV8000D comes with a**1-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.
The warranty does not cover damage caused by:

- Accident, misuse, abuse, or unauthorized modification.
- Exposure to water or extreme environmental conditions.

- Improper installation or operation not in accordance with this manual.

Please retain your proof of purchase for warranty claims.

10. Customer Support

For technical assistance, warranty claims, or further inquiries, please contact your retailer or the manufacturer's customer support.
For the most up-to-date support information, please visit the official KJDEYT website or refer to the contact details provided with your purchase documentation.

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