

## HESENATE AT-5888UV

# AnyTone AT-5888UV Mobile Transceiver User Manual

Model: AT-5888UV

Brand: HESENATE

## INTRODUCTION

This user manual provides detailed instructions for the installation, operation, and maintenance of your AnyTone AT-5888UV Mobile Transceiver. This dual-band VHF/UHF radio is designed for reliable communication in vehicle and base station setups. Please read this manual thoroughly before using the device to ensure proper function and safety.

## SAFETY INFORMATION

- Do not operate the radio in explosive atmospheres (e.g., flammable gases, dust particles, metallic powders).
- Ensure proper ventilation around the radio to prevent overheating, especially during prolonged transmission.
- Connect the radio only to a 12-volt DC power source with appropriate fusing.
- Avoid exposing the radio to direct sunlight, extreme temperatures, or excessive moisture.
- Do not attempt to disassemble or modify the radio. Refer all servicing to qualified personnel.
- Use only manufacturer-approved accessories.

## PACKAGE CONTENTS

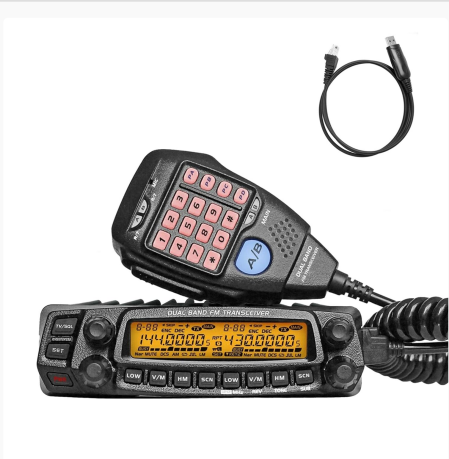
Please check the contents of your package against the list below:

- AnyTone AT-5888UV Mobile Transceiver Unit
- Programming Cable
- Speaker Microphone

- Mobile Mounting Bracket
- DC Power Cable with Fuse Holder
- Screws for Bracket
- User Manual (this document)

## PRODUCT OVERVIEW

The AnyTone AT-5888UV is a robust dual-band mobile transceiver featuring a full twin display and receive capability, along with a cross-band repeater mode. Its remote mountable faceplate offers flexible installation options.



Front view of the AnyTone AT-5888UV mobile transceiver with its speaker microphone and the included programming cable. The radio features a clear dual-frequency display.



Side view of the AT-5888UV radio, highlighting the USB port for programming and connectivity.



Rear view of the AT-5888UV, showing the integrated cooling fan and the antenna connector for external antenna attachment.

The radio unit includes a built-in cooling fan to manage heat during operation and features speakers in both the main radio unit and the speaker microphone for clear audio output.

## SETUP

- Mounting:** Use the provided mobile mounting bracket and screws to securely install the radio unit in your desired location. The remote mountable faceplate allows for flexible placement of the main unit and the control head.
- Power Connection:** Connect the DC power cable with the fuse holder to a 12-volt DC power source. Ensure correct polarity (red to positive, black to negative). It is recommended to connect directly to the vehicle's battery for stable power.
- Antenna Connection:** Connect a suitable VHF/UHF antenna to the antenna connector on the rear of the radio unit. Ensure the connection is secure.
- Microphone Connection:** Plug the speaker microphone into the designated port on the front panel.
- Programming (Optional but Recommended):**
  - The radio can be programmed via PC using the included programming cable.
  - Download the FREE software from the AnyTone official website. Links are typically provided in the user guide or on the product packaging.
  - The radio also supports CHIRP software for programming.
  - Programming allows you to set up channels, frequencies, CTCSS/DCS tones, power levels, and other advanced features.

## OPERATING INSTRUCTIONS

### Basic Operation

- **Power On/Off:** Press the power button (usually labeled "PWR" or integrated with a volume knob) to turn the radio on or off.
- **Volume Control:** Adjust the volume knob for comfortable listening.
- **Frequency/Channel Selection:** Use the main tuning knob or keypad on the microphone to select desired frequencies or channels. The AT-5888UV supports 758 channels.

- **Dual Display:** The radio features a full twin display, allowing you to monitor two frequencies (VHF and UHF) simultaneously.
- **Transmit Power:** Select between High (50W VHF / 40W UHF), Mid, and Low power settings using the dedicated buttons (e.g., "V/M", "HM", "LM").
- **Squelch:** Adjust the squelch level to eliminate background noise when no signal is present.

## Advanced Features

- **CTCSS/DCS:** Configure Continuous Tone-Coded Squelch System (CTCSS) or Digital Coded Squelch (DCS) for selective calling and to filter out unwanted signals.
- **2Tone/5Tone:** Utilize 2-Tone or 5-Tone signaling for advanced communication needs.
- **ANI/DTMF:** Automatic Number Identification (ANI) and Dual-Tone Multi-Frequency (DTMF) functions are available for identification and control.
- **Cross Band Repeater:** The AT-5888UV can function as a cross-band repeater, allowing signals received on one band (e.g., VHF) to be re-transmitted on the other band (e.g., UHF) and vice-versa. Refer to the detailed programming guide for setup.
- **Busy Channel Lockout (BCLO):** Prevents transmission on an occupied channel.
- **Time-Out Timer (TOT):** Limits continuous transmission time to prevent accidental long transmissions.
- **Automatic Power Off (APO):** Configures the radio to automatically power off after a set period of inactivity.
- **Wide/Narrow Band:** Select between wide and narrow bandwidth modes depending on local regulations and signal quality.

## MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the radio's exterior. Do not use abrasive cleaners or solvents.
- **Connections:** Periodically check all cable connections (power, antenna, microphone) to ensure they are secure and free from corrosion.
- **Firmware Updates:** Check the AnyTone official website periodically for firmware updates that may improve performance or add new features.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	No power, incorrect wiring, blown fuse.	Check power cable connections, ensure correct polarity, inspect fuse in the DC power cable and replace if blown.
No audio from speaker.	Volume too low, squelch too high, microphone not connected.	Increase volume, lower squelch level, ensure microphone is securely plugged in.
Cannot transmit or receive.	Incorrect frequency/channel, antenna issue, power level too low.	Verify frequency/channel settings, check antenna connection, increase transmit power.

Problem	Possible Cause	Solution
Programming issues via PC.	Incorrect software version, driver issues, cable not connected properly.	Ensure you have the correct and latest programming software and USB drivers. Reconnect the programming cable. Try a different USB port.

## SPECIFICATIONS

**Model Number:** AT-5888UV

**Brand:** HESENATE (Manufacturer: AnyTone)

**Frequency Range:** 136-174 MHz (VHF), 400-470 MHz (UHF)

**Power Output:** 50 Watts (VHF), 40 Watts (UHF)

**Number of Channels:** 758

**Voltage:** 12 Volts (DC)

**Product Dimensions:** 1.6"D x 5.5"W x 8.3"H (4.06 cm D x 13.97 cm W x 21.08 cm H)

**Weight:** 2.5 Pounds (1.13 kg)

**Special Feature:** UHF, VHF, Dual Band, Cross Band Repeater

**Water Resistance Level:** Not Water Resistant

## WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided by HESENATE or AnyTone on their official website or product packaging. Keep your purchase receipt as proof of purchase for warranty claims.

For software downloads and additional resources, please visit the official AnyTone website.

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