

VTR1501 PRODUCT DETAILS

Welcome to use our amateur radio

1. Overview

1. Antenna
2. Speaker
3. Microphone
4. Power Switch/Volume Control: Used for powering on/off and adjusting volume.
5. Indicator Light
6. Lanyard Hole
7. Belt Clip
8. Battery Lid
9. Charger Contact Piece
10. PTT Button: Press this button to transmit while speaking into the microphone; release it to receive.
11. Press and Hold to Record
12. Press and Hold to Play the Recording
13. Accessory Jack: Can be used to connect optional external headphones or a programming cable for reading/writing frequencies through PC software.
14. Type C Charging Jack
15. Battery Buckle: Need to break buckle this battery clip when removing the battery







2. Technical Specification

General	
Frequency range	Scanning: 400–480MHz RX: 400–480MHz TX: 420–450MHz (Amateur Band)
Channel Spacing	25/12.5kHz
Operating Voltage	7.4V DC
Battery Capacity	2000mAh
Dimensions	113mm*60mm*31mm
Weight (with standard battery and antenna)	Approx. 175g
Transmitter	
Output Power	5W
Modulation Mode	F3E
Maximum Frequency Deviation (W/N)	≤5KHz/≤2.5KHz
SNR (W/N)	-45dB/-40dB
Receiver	
Sensitivity (W/N)	0.22 μV/0.25 μV 12dB SINAD
Inter-Modulation (W/N)	65dB/60B
Audio Output Power	1W(16Ω)
Audio Distortion	<5%
RX Current	≤500mA
Standby Current	≤70mA
Environment	
Operating Temperature	-20°C ~ +60°C

Due to continuous technological advancements, the above data is subject to change without prior notice.

3. Standard Accessories

Battery: AB-150

Code: black

Battery Type: Polymer battery

Capacity: 7.4V / 2000mA



Belt Clip: VTR1501

Code: black

Specification: for VTR1501



Antenna: VTR1501 Rubber antenna

Code: black

Specification: 400-480MHZ



Hand strap: VTR1501

Code: black

Specification: Lanyard



4.Switch on/off the Power

Rotate the power/volume button clockwise to switch on the power, and you will hear

the Beep , the device will automatic broadcast the corresponding channel.

5.Adjust the Volume

Rotate the power/volume button clockwise to turn up the volume, Rotate the power/volume button counterclockwise to turn down the volume

6.Installation of antenna

The supplied high gain antenna provides high performance at the entire UHF frequency range of the transceiver.

(1)To install the supplied antenna, hold the bottom of the antenna, and then screw it into the connector on the transceiver until it is snug.

Do not over-tighten by use of extreme force

(2)To uninstall the antenna, hold the bottom of it and turn it counterclockwise to remove it.

Note:

1) Never transmit without having an antenna connected.

2) When installing the supplied antenna, never hold the upper part of the antenna while screwing it onto the connector on the transceiver. Or you will snap the antenna.

7.Scan Mode

The user defines the long press function of the side button as Scanning through programming software. After the device is turned on, the button is triggered, and the device cyclically scans the carrier signals on 16 channels in an increasing direction.

8. Precautions

Please observe the following precautions when using this product to avoid fire, personal injury, damage to equipment or other accidents:

- ①Do not use the equipment in inflammable and explosive environment (such as gas, dust, smoke, etc.), please turn off the equipment when refueling or parking at the gas station.
- ②Do not place the equipment in dusty, wet or splashed places or on uneven surfaces.
- ③Please use this equipment away from interference sources (such as TV, computer, distribution cabinet, etc.).
- ④Do not transmit while charging.
- ⑤Do not use radio while driving.
- ⑥Do not expose the device to direct sunlight for a long time or place it near the heating device.
- ⑦If the equipment emits abnormal odor, it must be turned off immediately. After ensuring safety, it should be sent to the nearest maintenance site for inspection.
- ⑧Do not modify or adjust this equipment for any reason.
- ⑨Please obey the local laws and regulations.

Disclaimer: The customer shall bear all the responsibility for the equipment failure or accident caused by the customer's violation of the above precautions, and the company shall not be responsible for it.

Note: Public can not use this Amateur device.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

SAR tests are conducted using standard operating positions accepted by FCC with the device transmitting at its highest certified power level in all tested frequency bands, although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. Before a new model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each product are performed in positions and locations as required by the FCC.

For body worn operation, this device has been tested and meets the FCC RF exposure guidelines when used with an accessory designated for this product or when used with an accessory that contains no metal. To maintain compliance with FCC RF exposure guidelines hold the transmitter and antenna at least 1 inch (2.5 centimeters) from your face and speak in a normal voice, with the antenna pointed up and away from the face.

The equipment complies with FCC radiation exposure limits set forth for and uncontrolled environment. In order to comply with the FCC RF exposure requirement, the antenna installation must comply with following:

Users must be fully aware of the hazards of the exposure and able to exercise control over their RF exposure to qualify for the higher exposure limits.

Your wireless hand-held portable transceiver contains a low power transmitter. This product sends out radio frequency (RF) signals when the Push-to-Talk(PTT) button is pressed.

The device is authorized to operate at a duty factor not to exceed 50%.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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