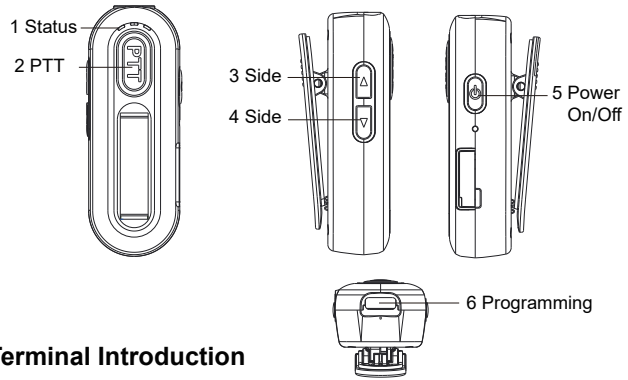
About Radio Lavalier LT UHF Product PD

CA-10



Terminal Introduction

1、Status Indicator Lights;

2、PTT Key: Press this key and speak into the microphone when transmitting; release this key when receiving;

3、Side Button 1: Short press to switch channels and increase volume; long press function can be programmed via programming software;

4、Side Button 2: Short press to switch channels and decrease volume; long press function can be programmed via programming software;

5、Power On/Off Button: Short press to switch channel/volume mode; long press to power on/off;

6、Programming (Headphone) Port: Can be used to connect an externally purchased headset, or to connect a charging cable to charge the device, or to connect a programming cable to perform read/write operations on the walkie-talkie via PC software;

Features

1、QT/DQT Sub-Audio
2、High/Low Power Switching
3、Broadband/Narrowband Selectable
4、Companding Function
5、Scrambling Function
6、Frequency Hopping Function
7、One-Key Frequency Measurement Function
8、Scan Add/Delete Function
9、Squelch Level
10、Time-Limited Transmission (TOT) Function
11、Tail-End Mode
12、Voice Broadcast
13、Power Saving Function
14、Emergency Alarm
15、Scanning Function
16、Voice control function
17、Voice control delay
18、Low voltage broadcast function
19、Frequency encryption function

Programmable key functions are as follows

1、No
2、monitoringListen
3、Scan
4、Emergency Alarm
5、Keyboard lock
6、Channel broadcast

One-Key Frequency Measurement Function

This device has a frequency measurement function. After the frequency measurement is completed, you can communicate with the target walkie-talkie.

Specific Steps: On the first channel, press and hold [PTT] + side key 2 to power on. After entering the mode, the transmitter light will flash continuously, accompanied by three 'beep beep beep' sounds and the current channel will be announced, indicating that the code-breaking mode has been entered. In this mode, the target walkie-talkie needs to transmit, and the device will receive and break the code. If the code breaking is successful, the transmitter

light will flash once and a prompt tone will be heard. After success, you can talk to the target walkie-talkie to verify whether the code breaking was successful.
In code breaking mode, a short press of side button 2 will produce a "beep" sound, indicating that the code breaking has been restarted. If the code breaking is unsuccessful for a long time (more than 10 seconds), please press the button briefly to restart the code breaking. A long press of side button 2 will exit the code breaking mode (exiting the code breaking will be indicated by two "beep" sounds).

Operation

Side Button 1 / Side Button 2

① After powering on, the default volume mode is used. Short presses of side buttons 1 and 2 can be used to adjust the volume. Short press of side button 1 increases the volume; short press of side button 2 decreases the volume.

② Short press the power button to switch to channel mode. Side buttons 1 and 2 are used to select the channel.

③ When you have set the operation functions of side buttons 1 and 2 through the programming software, you need to long press side buttons 1 and 2 to activate this function.

Accessories

Charging cable (Code: 29K-ZG05V-2069 Material: Switching power supply charging cable (USB) Specification: 2-core wire, 1A current (USB 3.1 Type C), wire thickness 3.5)
Switching power supply (Code: 29K-0K158-2064 Material: Standard switching power supply plug Specification: K158 5V/1A (GFBA00500100WA))
Headphones (Code: 29E-VEEJX-0022; Material: Headphone cable_TYPE-C; Specification: CA type (private network))

Product Specifications

General Specifications	
Frequency Range	Tx: 420-450MHz Rx:400-470Mhz
Channel Capacity	16
Channel Spacing	12.5kHz/25KHz
Operating Voltage	3.8V
Battery Capacity	800mAh
Standby Time	72h
Dimensions	74.5mm*28mm*29mm
Weight (Standard Battery and Antenna Included)	Approximately 32g
Display Screen	No Display Screen
Reception Performance	
Reception Sensitivity	≤0.18uV/0.22uV
Adjacent Channel Selectivity	≥60dB
Blocking	≥80dB
Intermodulation	≥60dB
Spurious Response Suppression	≥70dB
Signal-to-Noise Ratio	≥50dB
Received Audio Power	≥0.2W
Audio Distortion	≤5%
Transmit Performance	
Modulation Method	16kΦF3E/8kΦF3E
Modulation Limitation	±5kHz/±2.5kHz
Transmit Power	≤1W
Audio Distortion	≤5%
Residual Frequency Modulation	-45dB
Adjacent Channel Power	-67dB
Clutter and Harmonics	-36dBm<1GHz -30dBm>1GHz
Environmental Indicators	
Operating Temperature	-25℃ ~ +55℃
Storage Temperature	-40℃ ~ +70℃
Shock and Vibration	According to GJB 150-2009 and MIL-STD-810 C/D/E/F/G standards

FCC STATEMENT

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.

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 in radio communications. However, there is no guarantee that interference will not occur in a particular situation. 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.

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

WARNING: MODIFICATION OF THIS DEVICE TO RECEIVE CELLULAR RADIOTELEPHONE SERVICE SIGNALS IS PROHIBITED UNDER FCC RULES AND FEDERAL LAW.

RF Exposure Statement

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 an available for sale to the public, it must be tested and certified to the FCC that is 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 and accessory designated for this product or when used with and 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.

Part 97 does not require equipment authorization (with the exception of external power amplifiers).