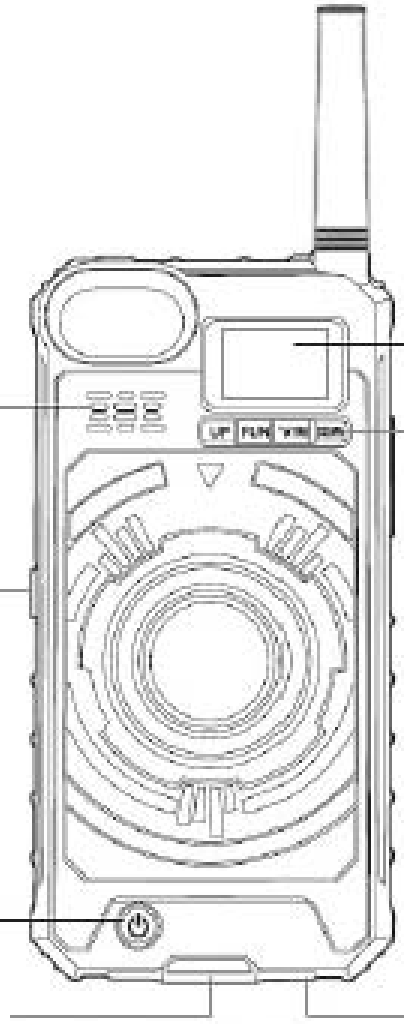
User’s Manual

Walkie Talkie Power Bank

Model: IP1



LCD screen
For displaying the working status of the current machine

Function button
For operating various settings of the machine

Speaker
For making sounds

PPT key
For transmitting signals

Power button
For on/off

Microphone
For inputting sound signals

USB port
For charging the battery / serving as power bank to charge the phone / reading and writing talkback frequency information

Function symbol description

The LCD display symbols of this unit are as follows:

TX: × indicates that it is transmitting.

L indicates that the transmission is in low power.

H indicates that the emission is in high power.

S indicates that the power save switch is ON.

 indicates that the beep switch is ON.

QT indicates that there is currently an analog sub audio.

DQT indicates that there is currently a digital sub audio.

 indicates the battery charge status and serves as an indicator for charging the battery.

 indicates that the unit is currently being used as a power bank..

Power bank function and charging operation instructions

This machine has a built-in battery and can serve as a powder bank. When you need to charge the mobile phone, you can use the dedicated USB charging cable to connect the USB port of the machine and the USB port of the mobile phone to realize the charging function. At this time, the “  ” symbol will appear on the screen of the mobile phone; when the machine is out of power, use USB cable to connect 5V to the USB port of the unit to charge the battery.

Basic operation

Power on/off

Press and hold the “  ” key until you hear the “didu” sound and the screen lights up, indicating that the power of the interphone is turned on; in the power-on state, press and hold the “  ” key until you hear the “didu” sound and the screen goes out, indicating that the power of the interphone is turned off;

Call

While holding a call, hold the [PTT] key and speak into the microphone with normal tone. Keep the distance between the microphone and the lips 3-8 cm when speaking. When the [PTT] key is pressed, the screen displays TX: X, indicating that the transmission starts.

Receipt

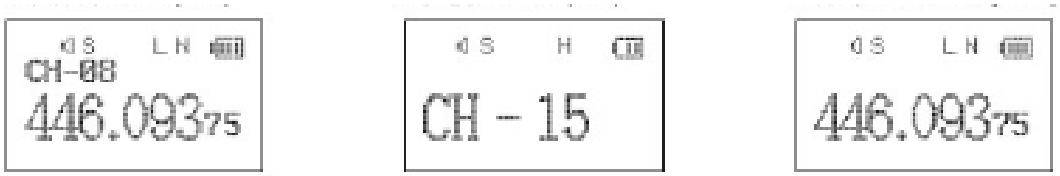
When receiving, release the [PTT] key to enter the receiving state. When the channel you are using is called, you can hear the other party's voice. If the signal is weak and you set a high squelch level for your radio, you may not be able to hear the call.

In the power-on state, press the [V/M] key to switch between the above three modes.

Menu function settings

Operating mode

■ Memory frequency mode (MR) ■ Memory channel mode (CH) ■ Full-frequency display mode (VFO)



In the power-on state, press the (V/M) key to switch between the above three modes.

Menu function settings

This machine has a total of 14 menu options. In the power-on state, press the [FUN] key to enter the menu selection and then use the [UP] or [DOWN] key to find the menu option to be set. When the menu option is found, press the [FUN] key again to enter the value function options of menu option and use [UP] or [DOWN] key to change the value function until it meets our requirements, press [FUN] key to confirm and return to the previous menu. If you do not want to set other menus, you can press [V/M] key to quit menu setting mode. The following is a functional value description of each menu.

1/VOLUME

Enter this option following previous menu operating mode. The VOLUME range is 0~15, the smaller the value is, the smaller the speaker output volume is.

2. SQLNUM

Enter this option following previous menu operating mode. The SQLNUM range is 0~9. You can use [UP] or [DOWN] key to select. The lower the SQL value is set, the stronger the ability to receive weak signals and the weaker the ability to resist external interference. The higher the SQL value is set, the weaker the ability to receive weak signals and the greater the ability to resist external interference; you can choose based on your environment and your requirements.

3. C-CTC

Enter this option following previous menu operating mode. The C-CTC is to change the setting

OFF, 67.0, D023N, D0231 by pressing PTT and then change the value of each option with the UP or DOWN keys.

4. R-CTC

Enter this option following previous menu operating mode. The C-CTC is to change the setting options OFF, 67.0, D023N, D0231 by pressing the PTT and then change the value of each option with the UP or DOWN keys.

5. T-CTC

Enter this option following previous menu operating mode. The C-CTC is to change the setting options OFF, 67.0, D023N, D0231 by pressing PTT and then change the value of each option with [UP] or [DOWN].

6. CH-BAND

Enter this option following previous menu operating mode. The CH-BAND has wideband WIDE and narrowband NARROW; when it is set to WIDE, it means that it is in broadband working state; when it is set to NARROW, it means that it is in narrowband working state.

7. SAVE

Enter this option following previous menu operating mode. The power save switch (SAVE) range is ON and OFF. You can use the [UP] or [DOWN] key to select. When you select the power saving function ON, the standby time of your machine is longer, which means that you will use the machine for a long time after it has been fully charged. When you select the power saving function OFF, the use time will be shortened each time the battery is charged, but the real-time communication effect will be better.

8. BEEP

Enter this option following previous menu operating mode. The beep switch setting (BEEP) range is ON and OFF. You can select with the [UP] or [DOWN] key. When you select OFF, it means that this function is off. There will be no beep for any operation of this machine. When you select ON,

it means that this function is on. Any operation of this machine will beep.

9. STEP

Enter this option following previous menu operating mode. The step frequency selection function (STEP) range is 5 kHz, 6.25 kHz, 10 kHz, 125 kHz, and 25 kHz, which you can select with the [UP] or [DOWN] key.

10. STOR-CH

First, in the VFO mode, select the frequency and sub-audio parameters and then enter this option according to previous menu operating mode, select the channel number to be stored by [UP] or [DOWN] key, select the channel number and use [FUN] key to confirm storage.

11. DEL-CH

Enter this option following previous menu operating mode. Use the [UP] or [DOWN] key to select the channel number you want to delete. Select the channel number and confirm with [FUN].

12. TOT

Enter this option following previous menu operating mode. The emission limit time setting (TOT) range is OFF, 30S~ 270S and the step is 30S. You can select by the [UP] or [DOWN] key.

13. Language

Enter this option following previous menu operating mode. Language options are English/German/Spanish/Italian/French/Portuguese/Chinese. You can select by [UP] or [DOWN].

Manual setting of talkback frequency operation

This machine supports setting the talkback frequency manually. The specific operation is to press and hold the [FUN] key in the full-range mode until the 10MHz bit on the screen flashes. At the same time, the machine will make a "click" sound. Use the [UP] and [DOWN] keys to change the ten megabits. Then press the [FUN] key to jump to the MHz bit flashing and jump to the setting of 100 MHz and +KHz through the [FUN] key. Set the desired value with the [UP] and [DOWN] keys. After selecting the desired frequency, press the [FUN] button again to confirm the exit. Press

the [V/M] key to cancel the exit during setup.

Computer write-frequency operation

The user cannot program the frequency.

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

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

Troubleshooting guide

Problems	Solutions
No sound and reaction	The battery pack may be exhausted. Replace it with a new one or recharge it. The battery pack may not be installed correctly. Remove the battery pack and reinstall it.
The battery will not last long after it is fully charged.	The battery pack has reached its limit. Please replace the new battery pack.
Fail to talk to other members in the group.	Verify that the frequency and sub-audible signal you are using are the same as other members in the group. Other members in the group may be too far apart. Please confirm that you are within valid communication distance.
Other (non-member) sounds appear on the channel.	Please change the sub audio signal. At the same time, change the sub audio signals of all interphones in the group.
Near call distance	Check whether the antenna is in good contact. Check whether the antenna is original. Check whether the battery voltage is normal. Adjust the squelch level.

Maintenance and cleaning

- Do not directly lift the antenna or external microphone;
- Use a lint-free cloth to wipe dirt on the interphone to prevent poor contact;
- When the interphone is not in use, please cover the earphone jack;
- After long-term use, the buttons, control knobs, and case are easily dirty. You can use neutral detergents (do not use strong corrosive chemicals) and wet clothes for cleaning.

Technical indicators

Whole machine part	
Frequency range	1. 462.5625 MHz -462.7125 MHz 2. 467.5625 MHz -467.7125 MHz
Rated voltage	DC3.7V
Use temperature range	-20℃-+50℃
Group frequency	Phase-locked loop frequency synthesis
Memory channel	16 channels
Antenna configuration	Rubber antenna
Antenna resistance	50Ω
Working mode	same-frequency simplex or different-frequency simplex
Grounding	negative electrode
Dimensions	145×71×18mm(excluding antenna)
Weight	About 200g(including antenna)

Emission part		Receipt part	
Output power	0.5W	Sensitivity	＜0.20uV（12dB SINAD）
Modulation	FM（F3E）	Quieting sensitivity	＜0.20uV
Maximum frequency deviation	≤2.5KHz	Intermodulation interference resistance ；	50dB
Sparious radiation	＜-60dB	Audio power	≥500mW
Pre-emphasis character	6dB	Current receipt	≤350mA
Emission current	600mA	Squelch waiting	≤20mA

Device work& use condition

1. the device is a PTT.
2. frequency range : 462.5625MHz-467.7125MHz; Power: 0.5W;

3. Users can use it as a normal push-to-talk device just set same channel and push TX key when they need;

4. AS a power source for mobile phones

Product Safety and RF Exposure

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

FCC Caution:

Caution: To maintain compliance with the FCC's 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, use only the supplied belt chip for this product and transmitting, use of other accessories may not ensure compliance with FCC RF exposure guidelines.

This equipment complies with FCC radiation exposure limits set forth for uncontrolled environment. Unauthorized antennas, modification, or attachments could damage the transmitter and may violate FCC regulations

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

Hazardous Environments:

Do not operate the communicator in hazardous environments, explosion or fire may result. Do not operate the communicator near unshielded electrical blasting caps. Under certain conditions, radios can interfere with blasting operations and may cause an explosion. Turn your radio to the OFF position to prevent accidental transmission when in a blasting area or in areas posted: "Turn off two-way radios." Construction crews often use remote control RF devices to set off explosives.

Never use cleaners or solvents to clean your device. Use a dry, lint-free cloth to clean the battery contacts. Do not submerge the unit in water.