

Operation instructions

USER'S MANUAL



Professional wireless intercom
PROFESSIONAL FM TRANSCEIVER

Switching power supply:

1. Power on: Turn the "Power/Volume Switch" control knob clockwise to turn on the intercom power, and at the same time hear "da"

With one sound, hear a series of pleasant prompts, and then broadcast the current corresponding channel.

2. Shutdown: Turn the "Power/Volume Switch" control knob counterclockwise until you hear a "da" sound, indicating
The intercom power has been turned off.

Volume adjustment:

Rotate the "Power/Volume Switch" control knob clockwise to increase the volume; Turn the "Power/Volume Switch" control knob counterclockwise to decrease the volume.

Channel selection:

Turn the channel switch to select the channel you want to use. If you turn on the voice number reporting function of this device, it will use voice to broadcast the current corresponding channel.

(Note: The knob switch used in this machine is a 360 degree knob. When clockwise: 1-199->1-199->...; when counterclockwise: 199-1->199-1->...).

Key function description:

Test key 1: 【 PTT 】 emission

Test key 2: 【 MONI 】 Press to listen

Test key 3: 【 WARN 】 Short press scan, long press remote alarm

Intercom:

Press and hold the [PTT] button to emit the indicator light and speak in a normal tone. After the call is completed, release the [PTT] button and the unit will switch to receiving. Please maintain a distance of 3 to 8cm between your mouth and the walkie talkie when speaking.

The frequency writing software for this computer is 8930, and a frequency writer with MAX232 integration is used.

Display function:

This machine is equipped with LED display. Display the current channel number (1-199), display the current battery level, display whether the channel is enabled for scrambling/comparing/frequency hopping/analog sub tone/digital sub tone, and so on.

At the same time, this machine has a transparent display time setting mechanism, which allows you to set the screen display time through frequency writing software. There are six options for selecting/5 seconds/10 seconds/15 seconds/20 seconds/25 seconds/on. When you choose one of the 5 seconds/10 seconds/15 seconds/20 seconds/25 seconds, it indicates an automatic adjustment of the display mode. If there is no operation within 5 seconds/10 seconds/15 seconds/20 seconds/25 seconds, the display will automatically turn off, Until there is an operation or reception, the display will automatically turn on again.

One click frequency and code breaking function

This device has a one click frequency and code breaking function, which matches most analog walkie talkies on the market.

Operation method:

Step 1:

Press and hold the PTT key (transmit key) for any channel to turn on the device until there are three pleasant prompts of 'Didi Di', accompanied by alternating red and green indicator lights. Release the PTT key, indicating that the device has entered the 'frequency measurement mode stage 1'.

Step 2:

In "Frequency Measurement Mode Phase 1", if you need to change the frequency measurement channel, you can switch the channel by turning the knob switch. After determining the channel, it will automatically enter "Frequency Measurement Mode Phase 2".

Step 3:

Entering the "Frequency Measurement Mode 2" stage indicates that the frequency measurement has officially started. The target walkie talkie will

continue to transmit until a "da" sound is heard and accompanied by a red light flashing twice, indicating that the frequency measurement is completed. The measured frequency points will be automatically stored in the current channel, and at this time, the machine can communicate with the target walkie talkie.

Attention:

1. After completing step three above, if you want to test other channels, please switch to the target channel for testing.
2. After completing step three above, if you want to test the channel again, simply press the MONI button to retest.

The activation, deactivation, and switching between Chinese and English of the voice number reporting function:

This device has a voice number reporting function, making it convenient for you to quickly know the current channel of the walkie talkie you are using during night or dark operation. This function can be achieved by writing frequency through computer programming software.

Low battery warning:

Low battery warning appears when the battery needs to be charged or replaced.

If the intercom is used when the battery is low, the Chinese voice prompt "Please Charge" will sound every 15 seconds, and the English voice prompt "Please Change" will sound. If the voice number reporting function is turned off, the prompt "Di, Di, Di" will sound three times, and the LED indicator light will flash red, reminding the user to replace the battery pack or charge it.

Time Out Timer (TOT) (This function can be set on/off through computer frequency writing software)

The function of a timeout timer is to prevent a person from using a channel for too long.

The time of the timeout timer can be set through the frequency writing software (which can be 15 seconds, 30 seconds to 600 seconds; each level has

a difference of 15 seconds). If you continuously transmit until the timeout timer you set, the walkie talkie will stop transmitting and emit a long alarm sound. To stop the warning tone, release the 【 PTT 】 switch. Press the 【 PTT 】 switch again to resume transmission.

voice control

This device has voice control function, and when voice is detected, the walkie talkie automatically switches to transmission mode.

The specific operation is as follows:

This function is achieved through computer programming software frequency writing. When the voice control function is checked, it indicates that the voice control is on. If the voice control function is not checked, it indicates that the voice control is off. The gain level and delay time of VOX need to be adjusted through computer programming software frequency writing.

Note: The higher the gain level of VOX, the lower the volume required for sound control (the gain level of VOX can be selected in levels 1-9)

The higher the delay time of VOX voice control, the longer the exit time of VOX voice control (the delay time of VOX voice control can be selected as 0.5/1/1.5/2/2.5/3S)

Disturbance and companding function

Each channel can be set with optional functions for scrambling/companding, and scrambling can be done at different levels.

The scrambling function can achieve voice encryption, so that users without this function will not be able to receive your real voice, thus keeping your communication confidential. When two walkie talkies need to encrypt calls, the optional function is to select scrambling, and the scrambling level is the same.

The compression function can effectively compress the transmitted set signal and then transmit it to the other end, and then expand the signal at the receiving end, thereby maximizing the system signal-to-noise ratio, greatly reducing environmental background noise, and improving the sound quality at the receiving end.

Frequency hopping function

Each channel can be set with frequency hopping on/off. Can achieve intercom encryption, preventing other models from receiving your intercom, thus keeping your communication confidential.

(Note: If you select "Jump A" in the "Special Subtone" column, the other party needs to use the same "Jump A" setting as this machine to talk back).

(Note: If you select "Jump frequency B" in the "Special sub tone" column, the other party needs to use the same "Jump frequency B" setting as this machine to talk back).

(Note: "CTCSS/DCS encoding" and "CTCSS/DCS decoding" are analog sub tone/digital sub tone/none, as long as "on" is selected in the "frequency hopping" column, it means that the frequency hopping function is enabled.)

When selecting anti burst frequency hopping, be sure to turn off learning frequency hopping and select on frequency hopping

DCS ending method

Among the optional functions, there is a DCS ending mode selection (regular and special), which is usually a digital ending of 134.4HZ

Special 55.0HZ (most machines on the market have DCS endings of these two types)

High and low power switching

Each channel is individually set with high and low power. You can directly set the transmission power of each channel to high or low

When you need a long call distance, you can set it to high power. When you need a close call distance, you can set it to low power to increase continuous usage time.

Battery saving:

If the dealer activates this function, the battery saving function can reduce battery consumption when no signal is received or no operation is performed (no button pressed, no channel switch rotated).

When the channel is not busy and no operation is performed for 10 seconds, the battery saving function is turned on.

When receiving a signal or performing an operation, the battery saving function is turned off.

Analog Subaudio (QT)/Digital Subaudio (DQT):

This walkie talkie can be optionally equipped with 50 groups of standard analog sub audio modules. In addition, non-standard sub audio within the input range of 30.0~260Hz (53-57 deducted) can be added with the Numeric keypad, and 105 groups of digital sub audio can be added. In addition, non-standard digital sub audio within the input range of D000~D777 can be added with the Numeric keypad (which can be set through computer programming software).

Some channels may have preset QT/DQT signal numbers. The QT/DQT signal is a sub audible signal tone that allows you to ignore (not listen to) calls from third parties using the same channel.

When you receive a QT/DQT signal that is different from the setting on your walkie talkie, you will not hear this signal. Similarly, the signal you transmit can only be heard by the other party whose QT/DQT signal is the same as the QT/DQT signal set on your walkie talkie.

Note: Although using a signal with QT/DQT sub audio can prevent you from listening to unwanted calls, it does not mean that your call is confidential.

Write frequency encryption function:

This device has a write frequency encryption function, which can protect your frequency and sub audio data from others, and also protect your and customer information. The specific settings can be set through the write frequency software.