



Industrial-grade AI noise-cancellation Solution Integrator



Commercial AI Noise-Canceling Radio User Manual

Smoother · Clearer · More Efficient · Highly Reliable

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Unboxing and Equipment Inspection

Please carefully remove the walkie-talkie from the packaging box. We recommend checking the contents of the package according to the table below before discarding the packaging materials. If you find any items missing or damaged during transportation, contact the dealer immediately.

Random Access

Project	Quantity
Tian Line	1
Rope for hanging walkie-talkies	1
Back clip	1
Seat charging	1
Transformer	1
Electrolyte cell	1
Instruction Manual	1



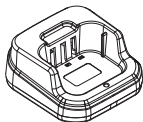
Antenna



Rope for hanging walkie-talkies



Back clip



Sitzladung



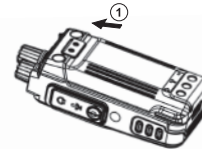
Transformer



Battery

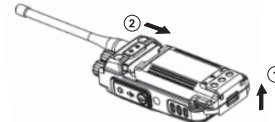
Install or remove the battery pack

- Do not short-circuit battery terminals, nor place batteries in fire.
- Do not attempt to remove the battery pack casing.
- Do not install battery packs in hazardous environments, as sparks may cause explosions.



(Image 1)

1、Align the two snap slots at the bottom of the battery pack with the corresponding two slots on the back bottom of the walkie-talkie, insert them, and press down the top of the battery pack until a [click] sound is heard, locking the door handle on the back bottom of the walkie-talkie to secure the battery. (Figure 1)



(Image 2)

2、When removing the battery pack, first turn off the walkie-talkie, then push down the door lock at the bottom of the back of the walkie-talkie to release the battery's bottom end from the device, and finally remove the battery. (Figure 2)

Antenna installation

Hold the antenna base and rotate the antenna clockwise into the top connector of the walkietalkie until fully tightened. (Figure 3)



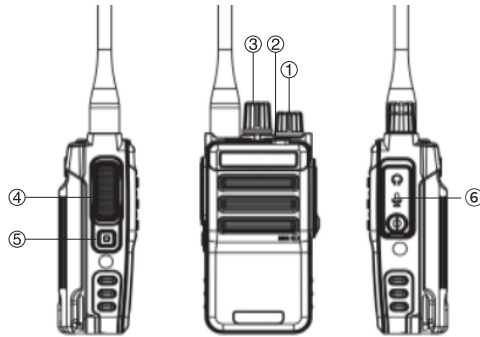
(Image 3)

(Image 4)

Install the back clip

Use the two screws on the back of the device to secure the back clip. (Figure 4)

Familiar with this machine



① Power switch/Volume knob:

To turn on the walkie-talkie, rotate clockwise. To adjust the volume, turn the knob, To turn it off, rotate counterclockwise all the way.

② LED indicator light:

The device flashes red during transmission and green during reception. A red flash appears when the battery voltage drops during transmission. The low-voltage indicator light flashes red in standby mode.

③ Channel knob: Turn the knob to select channel 1 through 16

④ PTT (Press Talk) switch: Press and speak into the microphone to transmit

⑤ channeling key

⑥ ear-muff connector

Sheath support function

Timeout timer (default 60 seconds)

The timeout timer prevents prolonged use of a single channel. If you transmit continuously for 60 seconds, the walkie-talkie will stop transmitting and emit an audible T signal. To stop the T signal, release the PTT switch, Press T again to activate the PTT switch and resume transmission.

Power-saving feature

The power-saving feature extends the walkie-talkie's operational time. To conserve battery life, it temporarily shuts down the receiver circuit before briefly reactivating to detect signals.

Low battery warning

A battery low warning indicates that the battery needs charging. If the battery level drops to the preset value during transmission, the walkie-talkie will stop transmitting and display a low battery warning. Please turn off the device to charge or replace the battery.

Channel lock function

Hold the channel lock function key for 2 seconds. When the device emits a "beep" sound, it indicates the channel is locked, and the device will maintain communication on this channel. To unlock the channel, hold the function key for 2 seconds until two "beep-beep" sounds are heard.

Silent audio CTCSS

67.0	69.3	71.9	74.4	77.0	79.7	82.5	85.4	88.5	91.5
94.8	97.4	100.0	103.5	107.2	110.9	114.8	118.8	123.0	127.3
131.8	136.5	141.3	146.2	151.4	156.7	159.8	162.2	165.5	167.9
171.3	173.8	177.3	179.9	183.5	186.2	189.9	192.8	196.6	199.5
203.5	206.5	210.7	218.1	225.7	229.1	233.6	241.8	250.3	254.1

Digital silent audio DCS

D017N	D023N	D025N	D026N	D031N	D032N	D036N	D043N	D047N	D050N
D051N	D053N	D054N	D055N	D065N	D071N	D072N	D073N	D074N	D114N
D115N	D116N	D122N	D125N	D131N	D132N	D134N	D135N	D143N	D145N
D152N	D155N	D156N	D162N	D165N	D172N	D174N	D205N	D212N	D217N
D223N	D225N	D226N	D243N	D244N	D245N	D246N	D251N	D252N	D254N
D255N	D261N	D263N	D265N	D266N	D271N	D274N	D305N	D306N	D311N
D315N	D325N	D331N	D332N	D343N	D345N	D346N	D351N	D356N	D364N
D365N	D371N	D411N	D412N	D413N	D423N	D425N	D431N	D432N	D445N
D446N	D452N	D454N	D455N	D462N	D464N	D465N	D466N	D503N	D506N
D516N	D523N	D526N	D532N	D534N	D546N	D565N	D606N	D612N	D624N
D627N	D631N	D632N	D645N	D654N	D662N	D664N	D703N	D712N	D723N
D731N	D732N	D734N	D743N	D754N	D765N				

D017I	D023I	D025I	D026I	D031I	D032I	D036I	D043I	D047I	D050I
D051I	D053I	D054I	D055I	D065I	D071I	D072I	D073I	D074I	D114I
D115I	D116I	D122I	D125I	D131I	D132I	D134I	D135I	D143I	D145I
D152I	D155I	D156I	D162I	D165I	D172I	D174I	D205I	D212I	D217I
D223I	D225I	D226I	D243I	D244I	D245I	D246I	D251I	D252I	D254I
D255I	D261I	D263I	D265I	D266I	D271I	D274I	D305I	D306I	D311I
D315I	D325I	D331I	D332I	D343I	D345I	D346I	D351I	D356I	D364I
D365I	D371I	D411I	D412I	D413I	D423I	D425I	D431I	D432I	D445I
D446I	D452I	D454I	D455I	D462I	D464I	D465I	D466I	D503I	D506I
D516I	D523I	D526I	D532I	D534I	D546I	D565I	D606I	D612I	D624I
D627I	D631I	D632I	D645I	D654I	D662I	D664I	D703I	D712I	D723I
D731I	D732I	D734I	D743I	D754I	D765I				

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Other features

Frequency measurement

When the frequency measurement function is enabled, rotate the channel knob to channel 16 and press the [Side Key] to power on. Upon hearing the "Scan" prompt and a "beep", the frequency measurement begins with the indicator light flashing. When the complete target frequency is received, a beep sounds, and the system enters the receiving state, marking the completion of measurement (press PTT to save the current frequency, then press [Side Key] to restart measurement). When the measurement indicator light flashes, press [Side Key] again. Hearing "beep, beep" signals exit the measurement mode. After completing a channel measurement or when stopping, rotate the knob to switch to the next channel. Press [Side Key] again to hear the "beep" and start a new channel measurement. Upon completion, restart the walkie-talkie to automatically exit the measurement function, preventing accidental channel information overlap.

Radio replication

Transmission mode: Turn off the bear-shaped device, rotate the channel knob to the second channel, press the [side key] to start, and hear the "beep" sound. The red and orange lights will alternate, indicating the start of data transmission.

Reception Mode: When the device is powered off, rotate the channel knob to channel 3 and press the [side button] to power on. You will hear a [drip] sound and see the green light flash, indicating that the device has entered reception mode. If a nearby device is in transmission mode, the green light will flash more rapidly. Once data reception is complete, the device will automatically restart.

Note: Only one device in the vicinity can be in transmit mode, while the number of devices in receive mode is unlimited.

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Technical Parameters

Band	VHF/UHF
Frequency range	430-440 MHz
Radio frequency output power	5W
Number of channels	16
Audio distortion	<5%
Carrier tolerance	35ppm
Maximum frequency deviation	≤ 5KHz
Jagged radiation	60dB
Adjacent line power	60dB
Reference sensitivity	0.20uV
Noise sensitivity	0.15uV
Adjacent selection	60dB
Spurious immunity	60dB
Intermodulation immunity	60dB
Waiting current	40mA (approximately in battery-saving mode)15mA)
Emission current	≤1A
Power supply voltage	7.4V
Weight	291g (including the antenna and battery)
Specifications	58 x36x125mm



AI Out Noise, Sync In Clarity.