

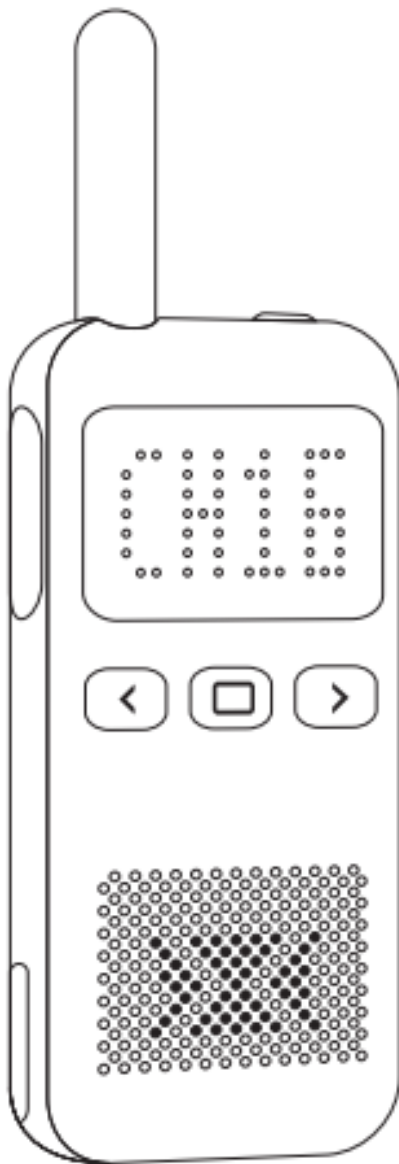
Operation instructions

USER'S MANUAL



Professional wireless intercom
PROFESSIONALFMTRANSCEIVER

USER'S MANUAL

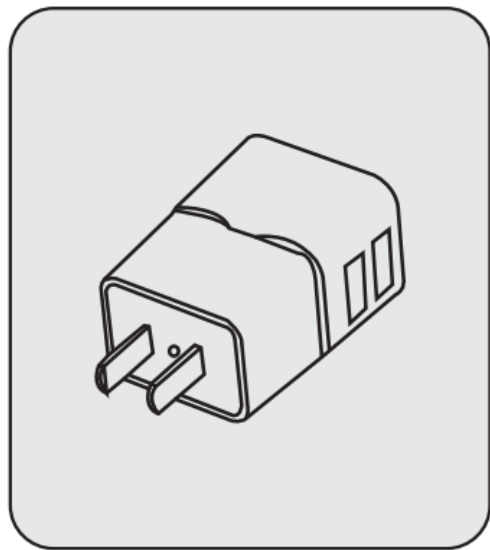


- UHF(400-470MHz) Super Receiving
- Screen Display
- Scanning
- Monitoring
- VOX
- TOT
- Chinese/English Voice Prompt
- Keyboard Lockout
- Power Display
- Busy Channel Lockout
- High-Low Power Selection
- Power Saving Mode
- Low Battery Warning
- Voice Companding/Scrambling Function
- Programming Encryption Function
- Special Signaling
- 50 CTCSS/208 DCS

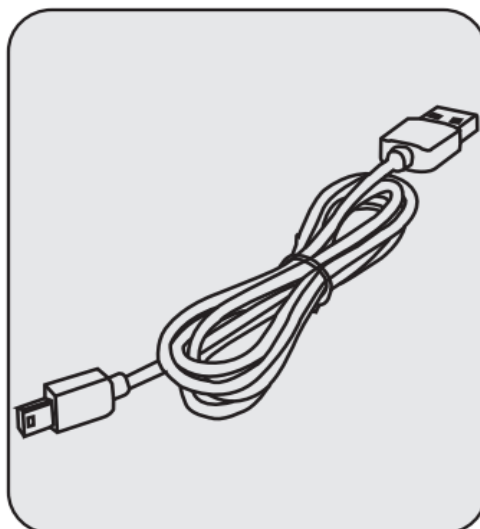
Standard Accessories



Radio Body

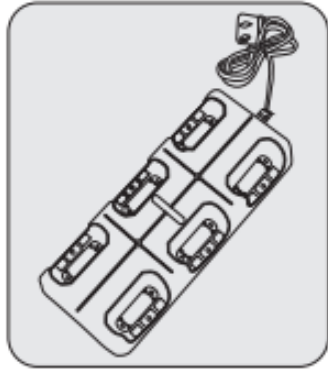


CHN Adapter

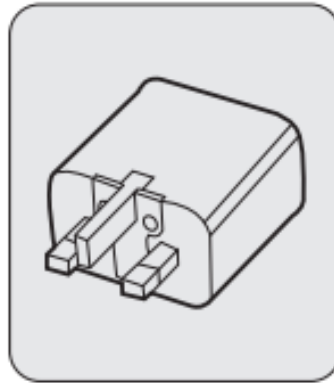


USB Cable

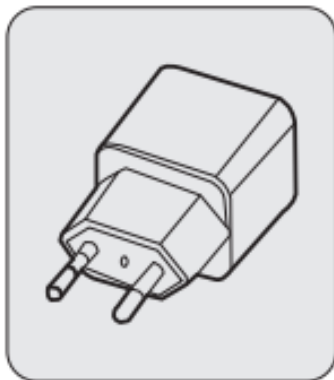
Optional Accessories



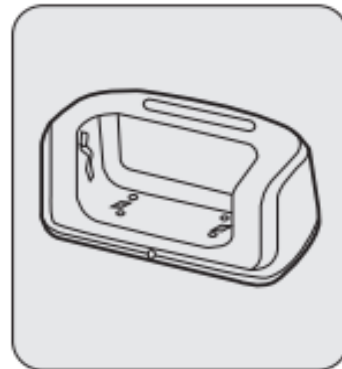
Six-port
Charger



UK Adapter

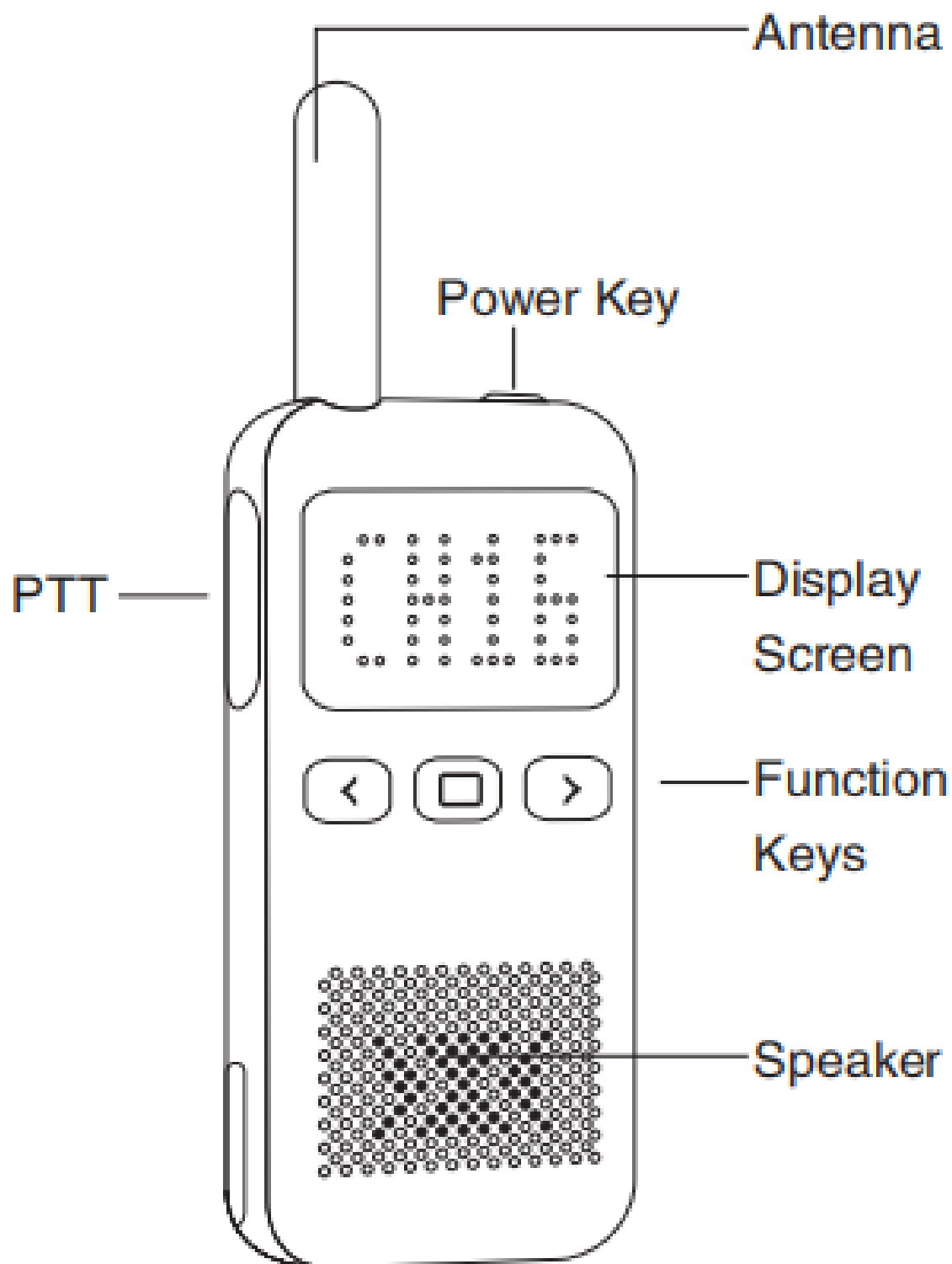


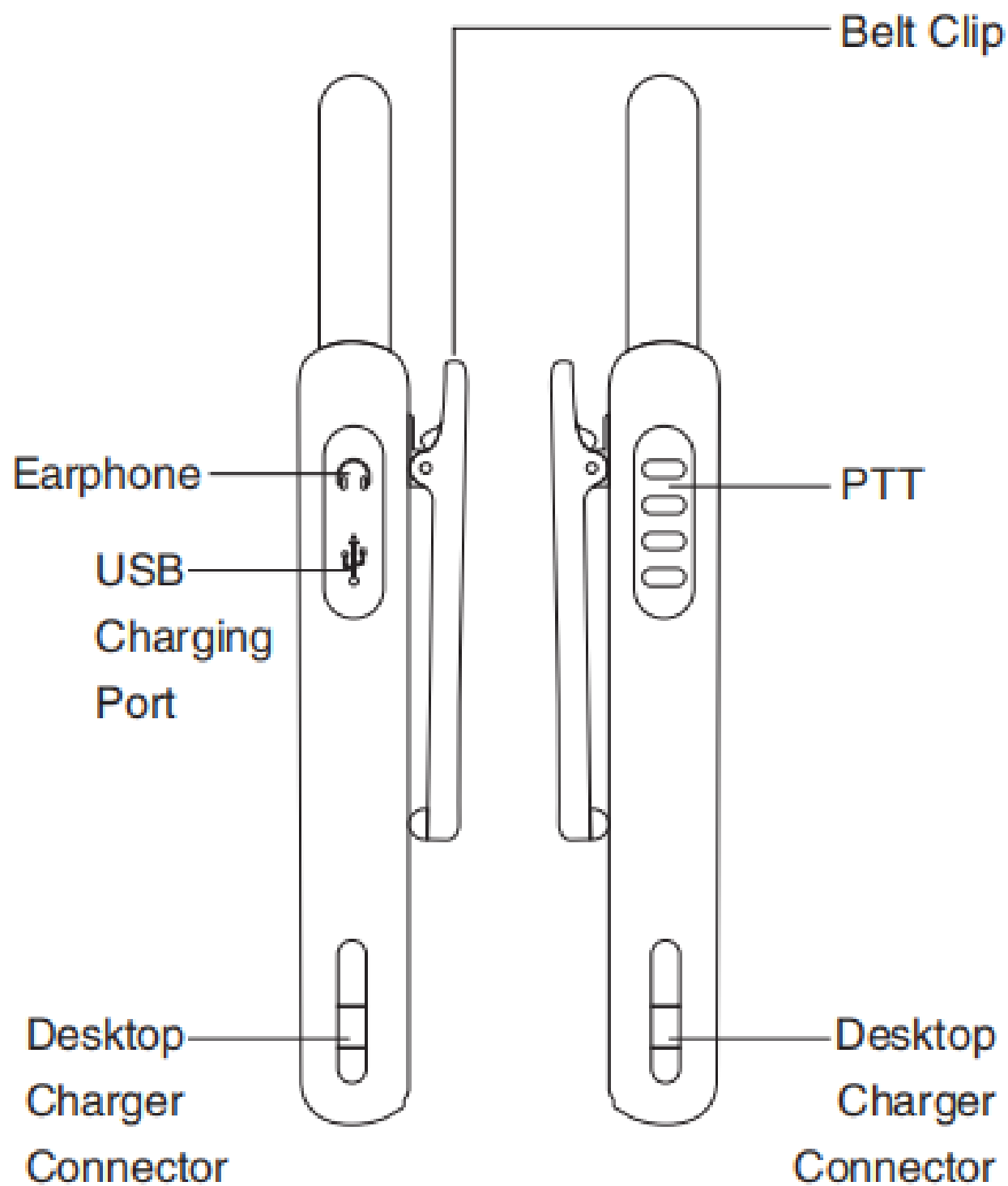
EU Adapter



Desktop Charger

Be Familiar With The Machine

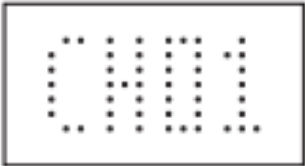




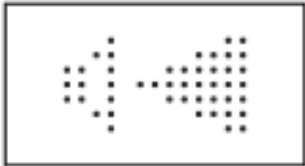
Icons



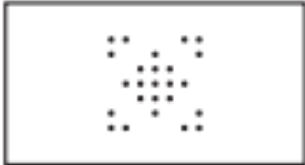
low power channel



high power channel



volume



scanning



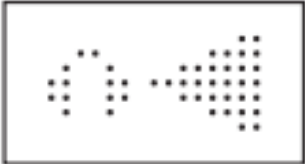
channel lockout



unlocking



earphone



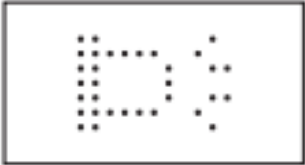
earphone volume



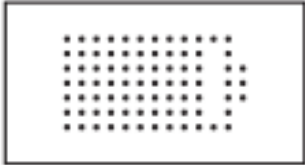
transmitting



receiving



alarm



battery level

Charging the Battery Pack

- 1.The battery is not charged in the factory, please charge the battery under the environmental temperature 5—40 before using.
- 2.After purchasing or long-term storage (more than two months), charging the battery for the first time can not reach its saturation capacity,repeat charge/discharge for twice or three times to make battery capacity achieve the best state
- 3.Before charging,please power off the transceiver,using the transceiver during charging may affect correct charging.
- 4.If the battery has been charged fully, please do not charge it again,otherwise the service life of the batterymay be shorten or may be damaged.
- 5.If the service time is significantly reduced even after completely correct charging,the battery can not be used any more,please replace a new battery.

MENU OPERATION

- 1. Short press   keys to adjust the volume
- 2. Short press  key to switch to channel mode, then short press   keys to adjust the channels.
- 3. PTT: press this button whenever you wish to talk with the user of the other radio.

Functions Operation

● 1.Short press

Scanning :

It is convenient for the user to search for calls from other channels.When “ Side Key 2 ” in the software is programmed  to the scanning function,long press key for two seconds to enter into the scanning mode,the transceiver will start to scan with the current channel; Operate it again to exit.

● Keyboard Lockout :

Long press  key to lock all buttons,operate it again to unlock

Power Display :

Short press power key to display the current battery level.

Monitoring :

Long press  key for two seconds to enter into the monitor mode,release it to exit.

● VOX :

This function can be voice activated so the user doesn ' t have to press the PTT key.

When “ VOX level ” in the software is selected,short press  key twice to enter into the VOX mode,then short press  key or  key to turn on/off the VOX.

Functions Operation

● Chinese/English Voice Prompt :

The transceiver has a manual switching function between the Chinese and the English. Switch to Channel 16, turn off the transceiver, then press both the power key and  key and meanwhile turn on the transceiver to switch between the Chinese and English.

● Time Out Timer(TOT) :

The purpose of the TOT is to prevent any single person from using a channel for an extended period of time. An alarm will sound if the transmission continues beyond the set time. The transceiver will stop transmission if this occurs. To stop the alarm, release the PTT key and the transceiver will return to standby.

● Busy Channel Lockout :

The function can prevent interference from other transceivers using the same channel.

● High-Low Power :

The transceiver has a high-low power selection, it can be programmed.

Functions Operation

- **Battery Power Saving :**

If there is no signal or operation, the radio will reduce its power consumption. The battery power-saving function activates when the channel is unoccupied or has not been in operation.

Low Battery Warning :

If the battery power falls to the predetermined value during

- transmission, the transceiver will give out a voice prompt, please charge in time.

Scrambling :

It is a voice encryption mode which is different from sub audio



Companding :

It is a function setting which prevents the inter-channel

- interference.

CTCSS/DCS :

The transceiver has 50 CTCSS and 208 DCS, also non-standard

- subaudio can be programmed!

CDCSS Mode :

It is valid only when you program the CDCSS on the channels.

This function has two selections: "normal signaling" and "special signaling". Normal Signaling refers to the CDCSS codes on the channels is ordinary codes, we can talk to each other with the same CDCSS; Special Signaling refers to the CDCSS codes on the channels is special processed codes. When the transceivers in one company are programmed the same frequency with the same CDCSS and special signaling, they can avoid the signal interferences from the other companies' transceivers.

Technical Parameters

SPECIFICATIONS	
Frequency Range	400-470MHz
Supply Power	DC3.7V
Memory Channe	16
Antenna Configuration	Internal Antenna
Work Mode	Co/Differ-frequency SimplexCommunication
Ground Method	Cathode
TRANSMITTER	
Output Power	8W/0.5W
Modulation Mode	FM(F3E)
Max.Frequency Deviation	$\leq 5\text{KHz}$
Sparious Radiation	$\leq 7.5\mu\text{W}$
Preemphasis Character	Per Octave 6dB
Emission Current	$\leq 1000\text{mA}$
RECEIVER	
Sensitfivity	$<0.16\mu\text{V}(12\text{dB SINAD})$
Audio Power	$\geq 300\text{mW}$
Audio Distortion	$<5\%$
IntermodulationInterference Resistance	$\geq 60\text{dB}$
Receiving Current	$\leq 300\text{mA}$
Standby Current	$\leq 20\text{mA}$

▲ We May Change The Specifications For Technical ImprovementWithout Prior Notice.