Manuals+ — User Manuals Simplified.

Quanzhou Kaili Electronics KD-C30 Two Way Radio User Manual

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Quanzhou Kaili Electronics KD-C30 Two Way Radio

OVERVIEW

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Charging the Battery Pack

1. The battery is not charged in the factory, please charge the battery under the environmental temperature 5—40°C 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 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 battery may be shortened or may be damaged.

5. If the service time is significantly reduced even after completely correct charging, the battery can not be used anymore, please replace a new battery.

BASIC OPERATION

- **Channel Selection**

  Press UP DOWN keys to adjust the channels.

- **PTT**

  Press this button whenever you wish to talk with the user of the other radio.

- **Monitoring**

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

- Channel Lockout

  Press both UP DOWN keys to lock; Operate them again to unlock.

- **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 the DOWN 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.

- **High-Low Power**

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

BASIC 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 the UP key and meanwhile turn on the transceiver to switch between the Chinese and English.

- **VOX**

  This function can be voice-activated so the user doesn't have to press the PTT key. Switch to Channel 7, turn off the transceiver, then press the UP key and turn on the transceiver at the same time to switch between the ON and OFF of the VOX function. VOX gain inversion level refers to the voice sensitivity, it has levels 1-9!

- **Busy Channel Lockout**

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

- **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.

BASIC OPERATION

- **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.

- **CTCSS/DCS**

  The transceiver has 50 CTCSS and 208 DCS, also non-standard sub-audio 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 on the channels is ordinary codes, we can talk to each other with the same frequency point and the same CDCSS.

- **Special Signaling**

  Special Signaling refers to the CDCSS on the channels is special processed codes. Only when the transceivers in the same company are programmed the same frequency point with the same CDCSS and meanwhile special signaling is programmed, then they can talk to each other.

Technical Parameters

SPECIFICATIONS

Frequency Range	462.5500-462.7250MHz 467.5625-467.7125MHz
Supply Power	DC3.7V
Memory Channel	22
Antenna Configuration	Internal Antenna
Work Mode	Co/Differ–frequency Simplex Communication
Ground Method	Cathode
Dimension	106.4*53.3*29.5mm

TRANSMITTER

Output Power	2W/0.5W
Modulation Mode	FM(F3E)
Max.Frequency Deviation	≤2.5KHz
Sparious Radiation	≤7.5μW
Preemphasis Character	Per Octave 6dB
Emission Current	≤1000mA

RECEIVER

Sensitivity	＜0.16μV (12dB SINAD)
Audio Power	≥300mW
Audio Distortion	＜5%
Intermodulation Interference Resistance	≥60dB
Receiving Current	≤300mA
Standby Current	≤20mA

FCC Statement

Any Changes or modifications not expressly approved by the party responsible for compliance could void the

user's authority to operate the equipment. 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.

ISED RSS Warning

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. this device may not cause interference, and

2. this device must accept any interference, including interference that may cause undesired operation of the device.

RF Exposure Information (FCC SAR)

RF Exposure Information (SAR) : The SAR limit of USA (FCC) is 1.6W/Kg averaged over one gram of tissue. Product Type: two way radio, model number: KD-C30 (FCC ID: 2AQX5KD-C30) has also been tested against this SAR limit. The device was test for typical body-worn operations and head face up operations keep the Tracker at least 25mm from the face.when worn on body must be correct back clip for this product,Use of non-approved accessories may result in exposure levels which exceed the uncontrolled envirnomental RF exposure limits.

RF Exposure Information (ISED SAR)

The SAR limit of IC is 1.6W/Kg averaged over one gram of tissue. Product Type: two way radio, model number: KD-C30 (IC: 24229-KDC30) has also been tested against this SAR limit. The device was test for typical body-worn operations and head face up operations keep the Tracker at least 25mm from the face.when worn on body must be correct back clip for this product,Use of non-approved accessories may result in exposure levels which exceed the uncontrolled envirnomental RF exposure limits.

Documents / Resources

	Quanzhou Kaili Electronics KD-C30 Two Way Radio [pdf] User Manual KD-C30, KDC30, 2AQX5KD-C30, 2AQX5KDC30, KD-C30 Two Way Radio, KD-C30, Two Way Radio