



CIGNUS

Radio • Antenna • Power Supply • Accessories



***FREETALK* GEN2**

LICENSE FREE

User Manual

Preface

Thank you for purchasing our portable two way radio. This easy-to-use radio will deliver you secure, instant and reliable communications at peak efficiency. Please read this manual carefully before use. The information presented herein will help you to derive maximum performance from your radio.

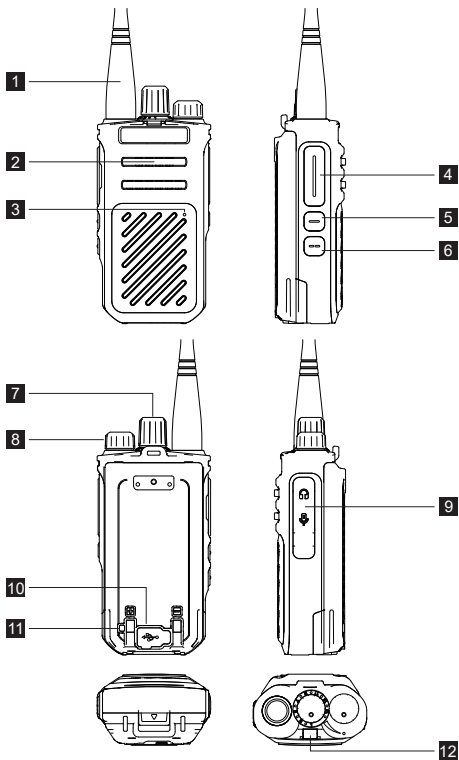
Unpacking And Checking Equipment

Carefully unpack the transceiver. We recommend that you identify the items listed in the following table before discarding the packing material. If any items are missing or have been damaged during shipment, please contact the dealers immediately.

Supplied Accessories

No.	Item	No.	Item
1	Radio Body	4	Belt Clip
2	Battery	5	Hand Strap
3	Charging Cable	6	User Manual

Product Overview



No.	Item	No.	Item
1	Antenna	7	Channel Knob
2	Speaker	8	Power On/Off, Volume Knob
3	Microphone	9	Accessories Jack
4	PTT Key	10	Charging Port
5	Side Key 1	11	Charging Indicator
6	Side Key 2	12	Status Indicator

Preparation

1. Installing Antenna

Install the antenna as show in the figure and turn it clockwise until it stops.

2. Installing Battery

Place the battery into the battery compartment. The positive and negative directions of the battery correspond to the markings in the battery compartment. Insert the battery and push it upward until the battery is fixed.

3. Charging Battery

1. Connect the charging cable to the power adapter, and plug the power adapter into the AC power socket.

2. Insert the charging cable into the TYPE-C port of the walkie talkie that has the battery installed.

3. When walkie talkie shutting down for charging, the red indicator light lights up to indicate charging has started, and the green indicator light indicates charging is completed.



Basic Operation

1. Powering On/Off

Switch ON the transceiver by turning the Power/Volume Knob clockwise.

Switch OFF the transceiver by turning the Power/Volume Knob anticlockwise.

2. Adjusting the Volume

Rotate the Power/Volume knob to adjust the volume. Turn clockwise to increase the volume and counter-clockwise to decrease the volume.

3. Selecting a Channel

Rotate the Channel Selector Knob to select a desired channel. Turn clockwise to increase the channel and counter-clockwise to decrease the channel.

4. Push To Talk

To make a call, press and hold the PTT switch, then speak into the microphone using your normal speaking voice.

Hold the microphone approximately 3 to 4cm from your mouth.

Release PTT switch to receive.

5. Programmed Key

For enhanced convenience, you can request your dealers to program SK1 and SK2 as shortcuts to radio features. For details, consult your dealer.

VOX

When the voice detected by the microphone reaches the value to trigger the transmission, the radio automatically transmits the voice without the PTT key pressed. The VOX Gain feature preprogrammed by your dealer is used to control the sensitivity of microphone transmission.

Press the preprogrammed VOX key to enable this feature.

Time-out Timer(TOT)

The purpose of the Time-out Timer is to prevent any caller from using a channel for an extended period of time. If you continuously transmit for a period of time that exceeds the programmed time set by programming software, the transceiver will stop transmitting and an alert tone will sound. To

stop the tone, release the PTT key.

Squelch Off

With the Squelch OFF feature enabled, the speaker will keep unmuted regardless of whether carrier exists. Then the radio sounds background noise.

Press the preprogrammed Squelch Off key to enable this feature.

Scan

The Scan feature allows you to listen to activities on other channels, keeping track of your team members. Press the preprogrammed Scan key to enable this feature.

With this feature enabled, the radio scans according to the scan list preset for the current channel. The LED indicator flashes slowly. When detecting activities on a channel, the radio stays on the channel and the LED indicator glows green.

Monitor

The Monitor feature allows the radio to receive more signals including weak signals, and helps you to recognize weak voices in the speaker.

Press the preprogrammed Monitor key to enable this feature.

Battery Save

Battery Save function will decrease the amount of power used when a signal is not being received and no operations are being performed (no keys are being pressed, and no switches are being turned).

While the channel is not busy and no operation is performed for 5 seconds, battery save turns ON. When a signal is received or an operation is performed, battery save turns OFF.

Low Battery Warning

Low Battery Warning alerts you when the battery needs to be recharged or replaced.

While operating the transceiver, if the battery power becomes low, an alert tone will sound every 30 seconds. Replace or recharge the battery pack.

LED Indicator Status

Status Indicator

Indicator Color	Status
Red	Transmitting
Green	Receiving a Call

Charging Indicator

Indicator Color	Status
Red	Charging
Green	Completed

Care and Cleaning

To guarantee optimal performance as well as a long service life of the product, please follow the tips below.

- Do not puncture or scratch the product with hard objects.
- Do not place the product in corrosive agents, solutions or water.
- Do not handle the radio by its antenna or external microphone directly.
- When not in use, keep the accessory jacks covered with the protective caps.



Power off the product, and remove the battery before cleaning.

- Clean up the dust and fine particles on the product parts with a clean and dry lint-free cloth or a brush regularly.
- Use a non-woven fabric with neutral cleanser to clean the keys, control knobs, and shell after long-time use. Do not use chemical preparations such as stain removers, alcohol, sprays or oil preparations.
- Make sure the product is completely dry before use.

Troubleshooting Guide

Problem	Solution
No Power.	• The battery pack may be dead. Recharge or replace the battery pack. • The battery pack may not be installed correctly. Remove the battery pack and install it again.
Battery power dies shortly after charging.	• The battery pack life is finished. Replace the battery pack with a new one.
Cannot talk to or hear other members in your group.	• Make sure you are using the same frequency and QT tone as the other members in your group. • Other group members may be too far away. Make sure you are within range of the other transceivers.
Other voices(besides group members) are present on the channel.	• Change the QT tone. Be sure to change the tone on all transceivers in your group.