

DH460

Digital Portable Radio

Quick Start Guide

LEGAL INFORMATION

Copyright ©CALTTA TECHNOLOGIES CO., LTD. 2022

No part of this publication may be quoted, reproduced, translated or used in any form or by any means, electronic or mechanical, including photocopying and microfilm, without the prior written permission of CALTTA TECHNOLOGIES CO., LTD.

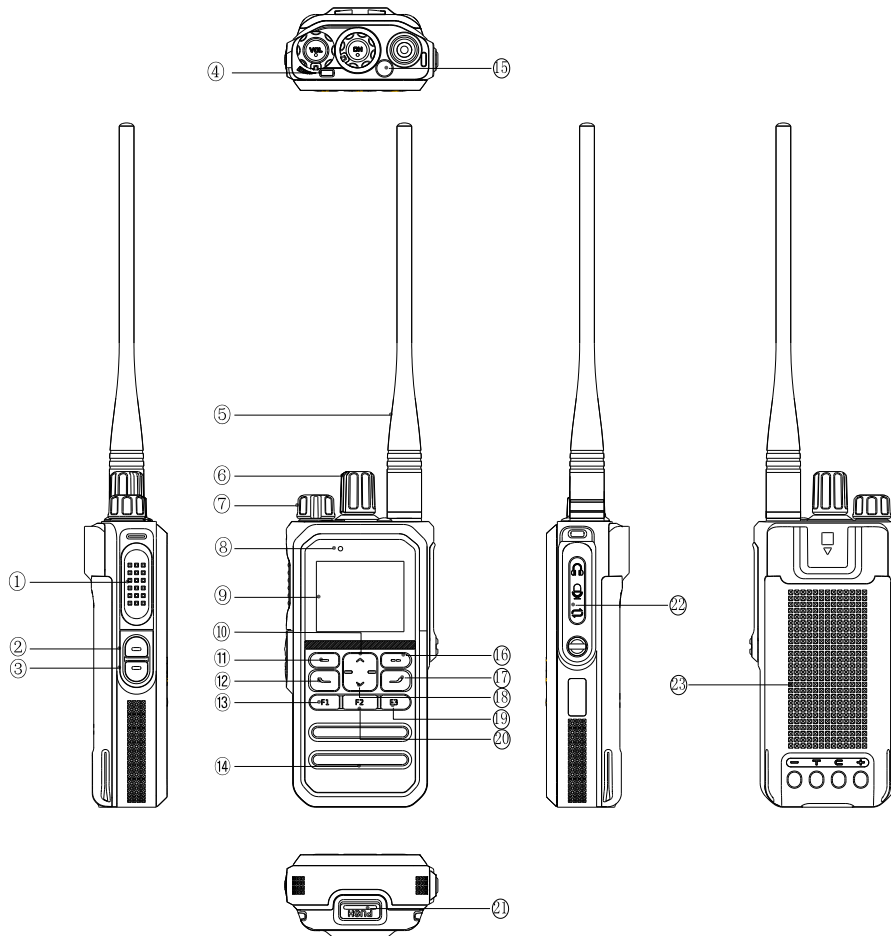
Violators Will Be Prosecuted.

CALTTA TECHNOLOGIES CO., LTD. reserves the right to make modifications on typographical errors or update specifications in this guide without prior notice.

The figures in this manual are for reference only. For the product structure and specifications of the battery and charger, please refer to the actual product. The accessories provided with the product may vary with product models and functions.

1 GET TO KNOW YOUR RADIO

1.1 Components



No.	Item Name	No.	Item Name
1	PTT key	13	Function key1
2	Side key 1	14	Speaker
3	Side key 2	15	Top key
4	LED indicator	16	Back key
5	Antenna	17	Home key
6	Channel selection rotary knob	18	Down key
7	Power /Volume rotary knob	19	Function key3
8	Microphone	20	Function key2
9	LCD	21	Battery button

10	Up key	22	Accessory interface
11	OK/Menu key	23	Battery
12	Call/Answer key		

1.2 PROGRAMMABLE KEYS

To facilitate operations, your radio provides six programmable keys (Side key 1, Side key 2, Top key, Function key 1, Function key 1 and Function key 3), and each programmable key can be assigned with one of the following functions by the product distributor through setting shown as the following table.

No.	Function	Description
1	None	Do not assign function
2	Keypad lock	Lock or unlock keypad quickly
3	Power level	Adjust transmit power level quickly
4	Call log	One key to enter call log menu
5	Contact	One key to enter contact menu
6	Text message	One key to enter text message menu
7	Channel up/down	Switch channel through button
8	Scan on/off	Enable or disable scanning function
9	Squelch on/off	Enable or disable squelch function
10	Roaming on/off	Enable or disable roaming function



NOTE:











The functions of a programmable key may vary with the operation (press or press and hold). For details, contact the local distributor.

2 STATUS INDICATOR

2.1 LCD Icons

The following icons may be displayed on the LCD.

Icon Name	Icon	Status Description
Signal Strength		No signal.
		The more signal bars, the stronger the signal.

Message		You have unread message.
		Message inbox is full.
Scan		Your radio is in scanning mode.
		Your radio has stopped scanning.
Roaming		Your radio is in roaming mode.
		Your radio has stopped roaming.
Transmit power		The transmit power of current channel is low-power mode.
		The transmit power of current channel is high-power mode.
Battery		The longer the battery bar, the more battery power
Speaker		The speaker is on.

2.2 LED INDICATOR

Indicator	Radio Status
Solid green	Your radio is receiving voice signals.
Solid red	Your radio is transmitting voice signals.
Blinking orange	Your radio is in scanning status.
Solid orange	After a call is established, there is no voice transmitted or received in the service channel. You can press PTT key to speak.

3 BASIC OPERATIONS

3.1 Power On/Off Your Radio

To power on your radio, rotate the Power/Volume rotary knob clockwise until a click is heard.

To power off your radio, rotate the Power/Volume rotary knob counterclockwise until a click is heard.

3.2 Turn Up/down the Volume

After powering on your radio, rotating the Power/Volume rotary knob clockwise can turn up the volume, and rotating the Power/ Volume rotary knob counterclockwise can turn down the volume.

3.3 Select a Zone

You can add channels in one zone to manage the channels efficiently. Your radio supports up to 32 zones. One zone contains up to 32 channels. After powering on radio, you can enter the zone menu through the menu key, press up/down key to select the needed zone, and press OK key to switch to selected zone.

3.4 Select a Channel

In radio standby interface, you can rotate the Channel selection rotary knob and switch the current working channel. Rotating clockwise can turn down the channel, and rotating counterclockwise can turn up the channel.

3.5 Lock/Unlock the Keypad

When you do not need to use the keypad, you can lock the keypad to prevent accidental operation. You can lock or unlock the keypad in the following ways:

- By programming key: If your dealer has set the keypad lock shortcut, you can press this key to lock or unlock the keypad.

4 Call

To ensure that the called party can hear you clearly, keep the microphone 2.5 cm to 5 cm away from your mouth when you speak.

4.1 Private Call

4.1.1 Initiate a private call

You can initiate a private call in the following ways:

- **Through the contact or call log**

1. Press Menu key to enter into the main menu;
2. Select Contact -> Contact list, or select call log to enter the Called/Received/Missed call list;
3. Use Up/Down key to select the private call contact needed;
4. Press PTT key to initiate the private call.

- **Through the missed call in the prompt interface**

You can press PTT key to initiate a private call through the missed call in the prompt interface.

4.1.2 Answer a private call

After receiving a private call, your radio shall establish the call automatically. After the call is successful, your radio plays the alert tone. If there is no answer, a missed call prompt is displayed to remind the user.

4.2 Group Call

4.2.1 Initiate a group call

You can initiate a group call through one of the following ways:

- **Initiate a group call to a preset group contact**

In radio standby interface, press the PTT key to initiate a group call to the transmit contact preset for the current channel.

- **Initiate a group call via the group contact**

1. In radio standby interface, press menu key to enter the main menu;
2. Select Contact -> Contact list, or select call log to enter the Called/Received/Missed call list;
3. Use Up/Down key to select the group call contact needed;
4. Press PTT key to initiate the group call.

4.2.2 Answer a group call

After receiving a group call, your radio shall establish the call automatically. After the call is established successful, your radio plays the alert tone.

4.2.3 Late Entry

After the group call is established, it is allowed that the member, which has not joined the group call, to be connected to the group call again during call communication.

5 The Third Party Application Notice

If you use unlicensed third party software to upgrade the radio firmware and system, there may be security risks that the radio gets unavailable or your personal information gets revealed.

Please use online upgrade or download the official software which matches your radio model to do upgrade.

After your radio upgrade, all your personal information may be removed, please backup personal information before upgrade.

6 SAFETY INFORMATION

1. Please read the manual carefully before using the radio;
2. Do not put the battery or radio into fire or liquid, and do not disassemble it without permission;
3. Do not use the bulging battery;
4. It is recommended to replace the battery when it has been used for 3 years;
5. Please use the original battery, charger, antenna and other accessories, do not bend the antenna during use;
6. Please power off the radio and do not use in flammable and explosive environment;
7. Do not use the battery to come into contact with metal, greasy and corrosive items;
8. Discarded batteries should be sorted and recycled;
9. Please protect the integrity of the seal labels in the radio, such as the labels on the screws, etc.;

7 FCC Statement

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.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

- This radio is designed for and classified as "Occupational/Controlled Use Only", meaning it must be used only during the course of employment by individuals aware of the hazards, and the ways to minimize such hazards; NOT intended for use in an General population /uncontrolled environment.

- DO NOT operate the radio without a proper antenna attached, as this may damage the radio and may also cause you to exceed RF exposure limits. A proper antenna is the antenna supplied with this radio by the manufacturer or an antenna specifically authorized by the manufacturer for use with this radio.

- DO NOT transmit for more than 50% of total radio use time, more than 50% of the time can cause RF exposure compliance requirements to be exceeded.

- This transmitter may operate with the antenna(s) documented in this filing in Push-to-Talk and body-worn configurations. RF exposure compliance is limited to the specific belt-clip and accessory configurations as documented in this filing and the separation distance between user and the device or its antenna shall be at least 2.5 cm.



CALTTA TECHNOLOGIES CO., LTD.

Address:12F,Building G2, International E-City,Nanshan,Shenzhen,China,518052

After-sales Service Hotline: 400-880-2533

Website: service.caltta.com

Privacy statement: CALTTA TECHNOLOGIES CO., LTD. is a leading provider of comprehensive critical communication solutions, the company is committed to protecting personal data by the use of appropriate technical and organizational measures.