

Hello

We appreciate your purchasing DH-9800 two-way radio! We believe that the quality and function of this radio will bring you stable performance and smooth communication.

DH-9800 is a high-end professional two-way radio launched by HQT, it is the best choice of working in public safety, railway transportation, forestry fire prevention or many other environment.

DH-9800 is waterproof and dustproof and its IP67 certification ensures you smooth communication under any circumstances. DH-9800 also can effectively ensure your communication privacy and personal safety with remote kill/stun/revive, voice encryption, whisper, 4 types of safety protection and other functions.

Please read this manual before use.

More detailed product













HQT service network provides more information about on-line service of HQT two-way radio.

More detailed product information To deepen your understanding of the functions of this radio.

HUT on-line Service Center

More plentiful product models To display more plentiful product models, so that you can understand the details of these products in advance and make decisions correctly according to the requirement of work.

For more details, please visit: www.hqt-tech.com.cn

More professional technique support

User manual and brochures

To provide download or on-line reading of the latest user manuals and brochures in covering detailed information of two-way radios.

Software download

To provide downloading of the latest programming software from HQT website. Your two-way radio can be connected to the computer with programming cable to manage or edit the parameters of channel frequency and other items.

On-line learning

To offer guidelines for detailed setting of the two-way radio.

More optional accessories

To provide various kinds of accessories, which can offer more comfortable operation and more remarkable performance of the radio to you.

Statement

HQT endeavors to achieve the accuracy and completeness of this manual. As for any inaccuracies and omissions that may possibly occur, the right to interpretation is reserved to Shenzhen HQT Science & Technology Co., Ltd.

The design or specification of this product is subject to be modified by Shenzhen HQT Science & Technology Co., Ltd. without prior notice.

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Safety Matters

Please read these rules below. Nonobservance • To avoid problems caused by electromagnetic of the rules may cause danger or violation of law.

- The use of this radio must be in compliance with the regulations of the local government.
- Turn off the radio before you enter places of flammable or explosive environment.
- Do not replace or charge battery pack in places of flammable or explosive environment.
- Turn off the radio before you approach blast area and detonator area.
- Do not use the damaged antenna which may cause slight burn on the skin.
- Only qualified technician are allowed to maintain this two-way radio. Do not disassemble the radio by yourself.

- interference or electromagnetic compatibility, please turn off the radio in places with "Raido Transmiting Equipment Prohibited" mark, such as hospitals or other health care places. When taking a plane, turn off the radio if required.
- In a car with air bag, do not place the radio within possibly involved area when the air bag expands.
- Do not expose the radio to direct sunlight or near heating devices for a long time.
- Keep the radio vertical and speak near the microphone during transmitting.
- Make sure that the antenna is 2.5 cm away from the body during transmitting if you carry the radio on your

Product Inspection

Thanks for using DH-9800 two-way radio. Before use, we recommend that: First check the package for any signs of damage;

Carefully open the package and identify the items listed below;

If any items are missing or damaged during shipment, please contact your dealer.

Items



Radio DH-9800 Qty: 1



Strap Qty: 1



Antenna Qty: 1



Belt Clip Qty: 1



Battery Qty: 1



Warranty Card Qty: 1



Charger Qty: 1



User Manual Qty: 1

Note: Frequency is marked on the color circle at the bottom of the antenna.

Product Inspection

Certificate Qty: 1

Acquainted

Get

Get Acquainted

Battery Information

Applicable battery Model

Please charge with HOT approved battery; using other batteries may burst and cause personal damage.

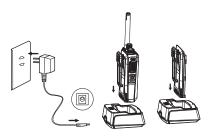
Note:

- 1.Do not short-circuit the battery terminals or dispose the battery in fire. Never attempt to disassemble the
- 2. Charge the battery in -0°C ~45°C temperature. Otherwise the battery may not be fully charged.
- 3. Turn off the radio equipped with battery before charge. Using the radio while charging may interfere with charging.
- 4.Do not pull/plug the adapter and the battery during charging to avoid interfering with the charging procedure.
- 5. When the battery power consumes quickly even if it is fully and correctly charged, that means the battery life is over and please replace with new battery.
- 6.Do not charge if the battery or radio is wet. Before charge you should dry it with cloth to avoid danger.

▲ Warning:

Conductive metals such as jewelry, key or decorating lace may result in short circuit and a large quantity of heat when coming to contact with battery electrodes. Treat any battery carefully especially when placing it into pocket, wallet or other metal

Charging Operation Please charge as follows:



- 1. Turn off the radio. Plug the DC connector of the adapter into the DC jack on the rear of the charger.
- 2. Plug the AC connector of the adapter into an AC outlet.
- 3. After the charger is electrified, the LED glows red for 1 second and goes out, which means the charger is ready for normal battery charging. If the LED flashes red, it means the charger is not ready for battery charging.
- 4 Insert the battery or radio equipped with battery into the charger. Make sure the battery is in good connection with charger electrode.
- 5. LED glows red during normal charging and flashes red during trickle charging because of very low battery power. And after the battery power reaches a certain mount during trickle charge, the charger will automatically turn to normal charge mode.
- 6. The battery is fully charged when LED glows green. The charger will stop charging automatically.

Cautions in Charging

- 1. The battery is not charged in factory. Please charge the battery before initial use or after long-time storage.
- 2. Repeat charging 2 or 3 times and the battery will reach its best capacity. Please replace or charge the battery if the battery power is low.
- 3. When the battery power consumes quickly after

normal charge, the battery life is finished. Please contact your dealer and buy new HQT approved

Antenna Information

- The stubby antenna is suitable for short-distance communication; the thin and long antenna will provide the best communication effect. Also it is comfortable to carry on the waist.
- The communication range may be shortened in rainy days or in forest. Please make preparations for that.

Attaching and Removing Attaching and Removing the Battery

Attaching the Battery

Match the two grooves of battery with corresponding guides on the back of the radio. And make sure the full contact and parallel between the battery and aluminum chassis.

Get Acquainted

Then push the battery along the guide until the battery latch locks.



Push the battery latch towards the mark "LOCK" to lock it.



Removing the Battery

To remove the battery, first make sure the radio is turned off, then push the battery latch in the opposite direction of the mark "LOCK" to unlock it, and push the battery latch downwards.



Slide the battery away from the radio.



Attaching/Removing the Antenna

Attaching the Antenna: (Figure 1)

- 1. Insert the antenna into the connector on the top of radio by holding the antenna at its base.
- 2. Rotate the antenna clockwise to fasten it.

Removing the Antenna: (Figure 2)

Rotate the antenna counter clockwise until you can



(Figure 1)



(Figure 2)

Attaching/Removing the Belt Clip Attaching the Belt Clip: (Figure 3)

Align the two holes of the belt clip with those of the radio unit, and then fix the belt clip with two M2.5

Removing the Belt Clip: (Figure 4)

Loose the screws to remove the beltclip.

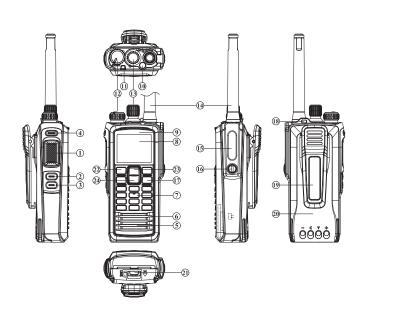


(Figure 1)



(Figure 2)

Acquainted Get



- 1. PTT Key
- 2. SK1 (SideKey 1)
- 3. SK2(Side Key 2)
- 4. SK3(Side Key 3)
- 5. Speaker
- 6. Microphone
- 7. Numeric Keypad
- 8. LCD Display
- 9. Trademark
- 10. TK(Top Key)
- 11. LED Indicator
- 12. Radio On-Off/Volume Control Knob

- 13. Channel Selector Knob
- 14. Antenna
- 15. Accessory Jack
- 16. Screw
- 17. Back Key
- 18. Strap Hole
- 19. Belt Clip
- 20. Battery
- 21. Battery Latch
- 22. OK/Menu Key
- 23. Up Key
- 24. Down Key

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Programmable Keys

For enhanced convenience, you may request your dealer to program the keys **SK1**, **SK2**, **SK3**, **TK** as shortcuts to the functions listed below:

No.	Shortcut Keys	Description	
1	Zone Up	Quick access to a desired zone	
2	Zone Down		
3	Keypad Lock	To lock or unlock the keypad quickly	
4	Contact List	Quick access to Contact List	
5	Message	Quick access to the menu "Message"	
6	Call Logs	Quick access to the menu "Call Logs"	
7	Adjust Power Level	To adjust power level through one button press.	
8	Talk Around	To directly communicate with other radios.	
9	Monitor	To adjust the condition for incoming closed weets	
10	Monitor Momentary	To adjust the condition for incoming signal match.	
11	Squelch Off	To always unmute speaker no matter whether carrier is present or not.	
12	Squelch Off Momentary		
13	Home Screen	To quickly return to the previous menu or home screen.	
14	Scan	To receive signals on other channels.	
15	Nuisance Temporary Delete	To temporarily ignore unwanted channel activity.	
16	Emergency	To summon help in emergent situations.	
17	Adjust Squelch Level	To temporarily adjust the squelch threshold required for the radio to unmute.	

Note: (1) Long and short press of a key can be assigned with different functions by your dealer.

(2) The TK is programmed as the Emergency key by default, and is programmable by your dealer.

LCD Icons

■ Status Icons

Icon Name	Icon	Radio Status
RSSI	Ψx	No signal;
	ዋ ዋ ዋ ዋ	More bars indicate better signal strength;
Message Icons		New Message/Unread Message;
	\succ	InBox is full;
Scan Icons	C	Scanning is in progress;
	3	Scanning pauses on a non-priority channel;
	P ₁	Scanning pauses on Priority Channel 1;
	P ₂	Scanning pauses on Priority Channel 2;
Tx Power Icons		Low Tx power for the current channel;
	H	High Tx power for the current channel;
Battery Strength Icons		More bars indicate more battery power;
Monitor Icon	ď	The feature "Monitor" is active;
Speaker Icon	()	The speaker is unmuted;
Emergency Icon	Δ	The Emergency mode (other than secret emergency) is active or an emergency message is received
Accessory Icon	₹ 0	An accessory is connected;

LED Indicator

The top LED indicator will help you easily identify current radio status.

LED Indicator	Radio Status
LED ashes green.	Powering on
LED glows red.	Transmitting
LED glows green.	Receiving
LED ashes orange.	Scanning

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Basic Operations

Turning the Radio On/Off

Rotate the Radio On-Off/Volume Control knob clockwise/ counter-clockwise until a click is heard to turn the radio on/off.

Adjusting the Volume

After turning the radio on, rotate the Radio On-Off/ Volume Control knob clockwise to increase the volume, or counter-clockwise to decrease the volume.

Selecting a Zone

A zone is a group of channels exhibiting the same property, and is programmed by your dealer. The radio supports up to 32 zones, each with a maximum of 16 channels. You may select a zone through any of the following methods:

- Through menu selection
 Go to the menu "Zone", and use the Up/Down keys to
 select your desired zone.
- 2. Through the function keys

You may quickly toggle to your desired zone by pressing the programmed **Zone Up** or **Zone Down** key.

Selecting a Channel

Rotate the **Channel Selector** knob to select a desired channel.

Digital/Analog Switch

Each channel can be programmed as either analog channel or digital channel. If the current zone includes both analog and digital channels, you may quickly switch between digital and analog through the **Channel Selector** knob.

Locking/Unlocking the Keypad

When the keypad is not in use, you can lock the keypad to prevent accidental keypad operation. Three methods are available for you to lock or unlock the keypad:

- Through key combination
 Use "OK+* " to lock or unlock the keypad.
- Through the function key
 Press the programmed Keypad Lock key to lock or
 unlock the keypad.

Note: When Keypad Auto Lock is enabled, the keypad will be locked automatically if no operation is made for the preset time period.

Basic Operations

3. Through menu selection

Go to Settings -> Radio Setting -> Keypad Lock, and then select Enable or Disable.

Enable: The keypad will be locked automatically if no operation is made for the preset time period.

Disable: The keypad will not be locked automatically. However, you can lock or unlock the keypad via the key combination or **Keypad Lock** key mentioned above.

Call

Transmitting a Private Call

You may transmit a Private Call through any of the following methods. When transmitting a Private Call, the icon will appear.

• Transmitting a call to the preset contact

In standby mode, pressing PTT key will transmit an individual call to the contact (a Private Call number) preset for the current channel.

Note: Your dealer may preset a contact for each digital channel. The preset contact could be a Private Call number, a Group Call number or an All Call number.

● Transmitting a call through Contact List or Call Logs

- 1) Go to Contact -> Contact List, or go to Call Logs -> Call List.
- 2) Use the **Up/Down** key to select the Private Call number you want to call.
- 3) Hold down PTT key to transmit a Private Call to the selected contact

• Transmitting a call through Manual Dial

- 1) Go to Contact -> Manual Dial.
- 2) Input a Private Call number you want to call.
- 3) Press PTT key to transmit a call.

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