

SPH6800 OWNER'S MANUAL

SPH6800 使用说明书

Digital Portable Radio



Preface

Thanks for your favor in our product. To derive optimum performance from the product, please read this manual carefully before using it.

This manual applies to SPH6800 digital trunking portable products.

Instructional Icon

The following icons are available through this manual:

-  Caution: Indicates situations that could cause damage to your radio.
-  Note: Indicates tips that can help you make better use of your radio.
- * Asterisk: Indicates the currently restricted function.

Term Explanation

Key operation

Short press: To press the key and release it quickly;

Long press: To press the key and remain holding it down about a period of 1.5 seconds;

Hold down: To press the key and remain holding it down.

Private call

Private call is initiated by a single user to another user, involving the calling party and the called party only.

Group call

Group call is initiated by a single user to a group, involving the calling party and all the group members.

Emergency call

Emergency call is the highest priority call. It is used to call for help to the companion or the control center in an emergency situation. The general set is group call form. If initiating an emergency call, any non emergency calls can be interrupted.

Conventional mode

Under conventional mode, Simplex communication can be carried out directly between the terminals without network limitation. But user cannot use the functions that need network support.

Trunking mode

Under trunking mode, terminals communicate through network. Users can use the functions that need network support. If need to operate under trunking mode, you must register in the network operator first to obtain permission from the service provider and the terminal must be in the range of network coverage.

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RF Energy Exposure Compliance

Safety of radio frequency radiation

In order to ensure the users' physical and mental health, the experts and related organization from science, engineering, medicine, health, and industry jointly make the standards and guidelines of radio frequency radiation. As follows:

- United States Federal Communications Commission, Code of Federal Regulations; 47CFR part 2 sub-part J
- American National Standards Institute (ANSI) / Institute of Electrical and Electronic Engineers (IEEE) C95.1-1992
- Institute of Electrical and Electronic Engineers (IEEE) C95.1-1999 Edition
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998

The supervision requirements of Federal Communications Commission

According to the supervision requirements of Federal Communications Commission, this product must comply with radio frequency radiation limits of the Federal Communications Commission, otherwise, it is not allowed to sell on American market. The Manufacturers are required to inform the user of the matters needing attention by the way of posting label on the product, in order to improve the awareness of radiation protection.

Control and operation of radio frequency radiation

In order to derive the optimum performance of the radio and ensure the compliance with the standards of relevant traditional limit requirements, the sending time shall not exceed 50% of the rated factor, and it needs to comply with the following instructions:

- Generate the RF energy radiation only in transmitting (talk). Reception (listening) and standby both won't generate.
- The distance between the terminal and body must be maintained at least 2.5 centimeters when transmitting.

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Checking Items in the Package

Please unpack carefully and check that all items listed below are received. If any item is missing or damaged, please contact your dealer.

		
Battery	Charger	Power adapter
		
Antenna	Belt clip	Strap
		
Radio unit	Owner's manual	Quick reference guide

 Note: The antenna may vary with different frequency bands. And the frequency band is marked on the label of antenna; if not, please refer to the label on the radio unit for frequency band information.

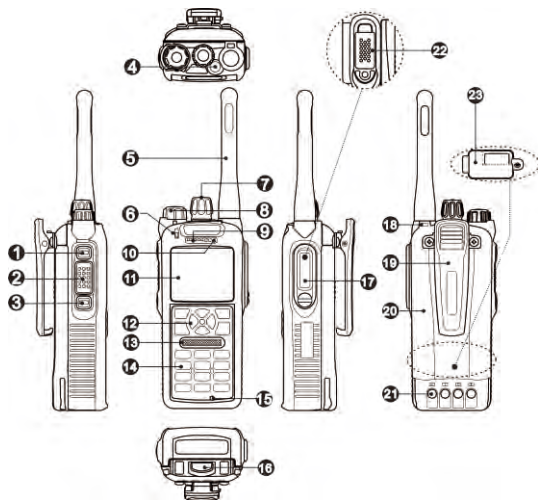
Optional accessories

		
Leather carrying(SLCB100)	Programming cable(SPC00)	Programming software kit(cable+disk) (SPC01)
		
C-Earset with on-mic PTT(EH0100)	Earpiece with on-mic PTT & transparent acoustic tube (EA0100)	Earbud with on-mic PTT(ES0100)

 Note: If you need to know more information about the optional accessories, please contact us.

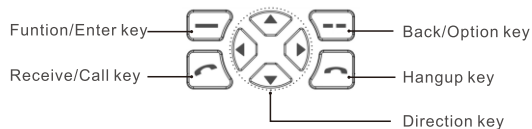
Product Overview

Product controls



NO.	Part Name	NO.	Part Name
1	P1 Key (hot key)	2	PTT Key(transmit key)
3	P2 Key (hot key)	4	Emergency Call Key
5	Antenna	6	LED Indicator
7	Channel Knob	8	Radio On-Off/Volume Knob
9	Earpiece	10	Simplex Microphone
11	LCD Display	12	Function Keypad
13	Speaker	14	Numeric Keypad
15	Duplex Microphone	16	Battery Latch
17	Accessory Jack Cover	18	Strap Hole
19	Belt Clip	20	Battery
21	Battery Pole Piece	22	Accessory Jack
23	Micro SD Encryption Card Cover		

Function keypad



Programmable keys

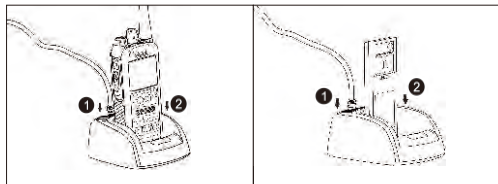
[P1] key, [P2] key, four direction keys,  key, can be set as function or menu shortcut keys by your dealer. The default state of [P1] and [P2] shortcuts are for high-low power switching. You only need to press the corresponding shortcut key to quickly access the needed menu or function.

Before Use

Charging the battery

■ Charging operation steps

Use only the charger and battery specified by Samhoo.
Charger LED can indicate the charging progress.



- 1.As ❶ shown,Connect the power adapter to AC power socket and the jack at the back of the charger.
- 2.As ❷ shown,insert battery or radio with battery in the charger, and make sure the good contact between battery and charger terminals.
- 3.The charging process initiates when LED glows red.
- 4.LED turns green, indicating that charging is complete.

The battery charging normally takes about 4 hours, for optimal battery performance, the first charging time should be up to 5 hours.

■ Charger LED indicator and charging status

LED indication	Charging status
LED flashes red slowly	Standby(no load)
LED glows red	Charging
LED glows orange	Fully charged $\geq 85\%$
LED glows green	Fully charged
LED flashes red rapidly	Error

Assembly and Disassembly

Attaching the antenna

1. Turn the antenna clockwise to fasten it.

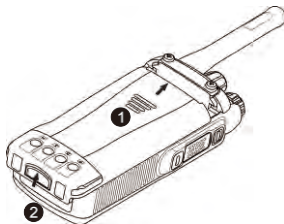
Note: To remove the antenna, rotate it counter-clockwise.



Attaching the battery

1. Flatwise put the battery into the radio, as **1** shown, horizontally push to the top along the aluminum slot.

2. As **2** shown, push up the battery latch forward until a click is heard.



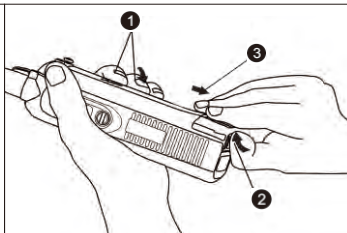
 Note: If the battery is not fastened and still loose, please remove the battery and reinstall.

Removing the battery

1. As **1** shown, hold the radio like this.

2. As **2** shown, push up the battery latch with another hand.

3. Yank the battery as **3** arrow direction shown.

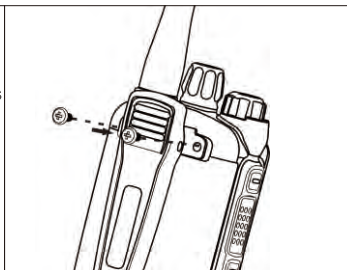


Attaching the belt clip

1. Rotate the screws counter-clockwise to remove it;

2. Align the screw holes on the belt clip with those on the radio's body, and then tighten the screws clockwise.

Note: To remove the belt clip, loosen the screws.

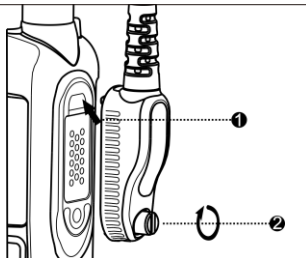


Attaching audio accessory/programming cable

1. Open the accessory jack cover. As ❶ shown, align the plug with the accessory jack, then latch on.

2. As ❷ shown, tighten the screw clockwise on the plug.

Note: To remove accessories, loosen the screw counter-clockwise.



Status Indicators

LCD icons

LCD screen can display radio status, text items and menu items. The following are the icons displayed in standby interface.

Icon name	Icon	Radio status
Battery strength icons		Low battery power
		More bars indicate more battery power
RSSI		No signal
		More bars indicate better signal strength
Message icons		New message/unread message
		Inbox is full
Operation mode icons		TMO mode
		DMO mode
		Analog mode
Power icons		Transmit with lower power
		Transmit with middle power
		Transmit with high power
Profiles icons		Silent
		Ring
		Vibrate
		Custom

Icon name	Icon	Radio status
Audio accessories icons		Audio accessory is connected
Call status icon		On the phone
Group selection icon		Select talk group

LED indicator

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

Radio status	LED indicator
Transmitting the call	LED glows red
Receiving the call	LED glows green
Phone call	LED glows red on both sides
Channel is idle	LED flashes green slowly
Channel is busy	LED glows orange

Basic Operations

Turning on/off the radio

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

Adjusting the volume

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

Selecting a channel

Rotate the Channel Knob to select a desired channel.

Locking/Unlocking the keypad

Quickly press  key and  key to lock, and quickly press  key and  key to unlock the keypad. When the keypad is locked, you can still answer or reply the call. After the call, keypad will be locked automatically.

Mode switch

【Option】 -> Radio Modo , select DMO mode & TMO mode.