

Preface

Welcome to the world of Hytera and thank you for purchasing this product. To derive optimum performance from the product, please carefully read this manual before use.

This manual is applicable to the following product:

[VM68x Remote Video Speaker Microphone](#)

Icon Conventions

The following icons are available through this manual:



Note: Indicates references that can further describe the related topics.



Caution: Indicates situations that could cause data loss or equipment damage.



Warning: Indicates situations that could cause minor personal injury.

Copyright Information

Hytera is the trademark or registered trademark of Hytera Communications Corporation Limited (the Company) in the People's Republic of China (PRC) and/or other countries or area. The Company retains the ownership of its trademarks and product names. All other trademarks and/or product names that may be used in this manual are properties of their respective owners.

The product described in this manual may include the Company's computer programs stored in memory or other media. Laws in PRC and/or other countries or areas protect the exclusive rights of the Company with respect to its computer programs. The purchase of this product shall not be deemed to grant, either directly or by implication, any rights to the purchaser regarding the Company's computer programs. The Company's computer programs may not be copied, modified, distributed, decompiled, or reverse-engineered in any manner without the prior written consent of the Company.

Disclaimer

The Company endeavors to achieve the accuracy and completeness of this manual, but no warranty of accuracy or reliability is given. All the specifications and designs are subject to change without notice due to continuous technological development. No part of this manual may be copied, modified, translated, or distributed in any manner without the prior written consent of the Company.

We do not guarantee, for any particular purpose, the accuracy, validity, timeliness, legitimacy or completeness of the third-party products and contents involved in this manual.

If you have any suggestions or would like to receive more information, please visit our website at: <http://www.hytera.com>.

EU Regulatory Conformance

As certified by the qualified laboratory, the product is in compliance with the essential requirements and other relevant provisions of the following directives:

- 2006/66/EC
- 2011/65/EU
- 2012/19/EU
- 2014/53/EU

Please note that the above information is applicable to EU countries only.

Caution

1. Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
2. The product shall only use USB port to charging.
3. The max operating of the EUT is 60°C. and shouldn't be lower than -30°C.
4. The device complies with RF specifications when the device used at 0cm from your body. Body SAR: 0.231 W/Kg

5. Declaration of Conformity

We, Hytera Communications Corporation Limited

hereby, declare that the essential requirements compliance with the Directive 2014/53/EU.

have been fully fulfilled on our product with indication below:

Product Name: RVM (Remote Video Speaker Microphone)

Brand Name : Hytera

Model : VM685

This product can be used across EU member states.

Caution:

§ 15.19 Labelling requirements.

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.

§ 15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§ 15.105 Information to the user.

Note: 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, 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.

Specific Absorption Rate (SAR) information:

This [RVM \(Remote Video Speaker Microphone\)](#) meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

FCC RF Exposure Information and Statement The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types:RVM (Remote Video Speaker Microphone) ([FCC ID: YAMVM685](#)) has also been tested against this SAR limit. The highest SAR value reported when properly worn on the body is [0.27 W/Kg](#). This device was tested for typical body-worn operations with the back of the handset kept 10mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 10mm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

Body-worn Operation

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 10mm must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.

French statement

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC Radiation Exposure Statement

This EUT is compliance with SAR for general population/uncontrolled exposure limits in IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528 and IEC 62209. This equipment should be installed and operated with minimum distance 10 mm between the radiator and your body. This device and its antenna(s) must not be collocated or operating in conjunction with any other antenna or transmitter.

Cet appareil est conforme aux limites d'exposition DAS incontrôlée pour la population générale de la norme CNR-102 d'Industrie Canada et a été testé en conformité avec les méthodes de mesure et procédures spécifiées dans IEEE 1528 et IEC 62209. Cet appareil doit être installé et utilisé avec une distance minimale de 10mm entre

This device complies with Canada Industry 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.

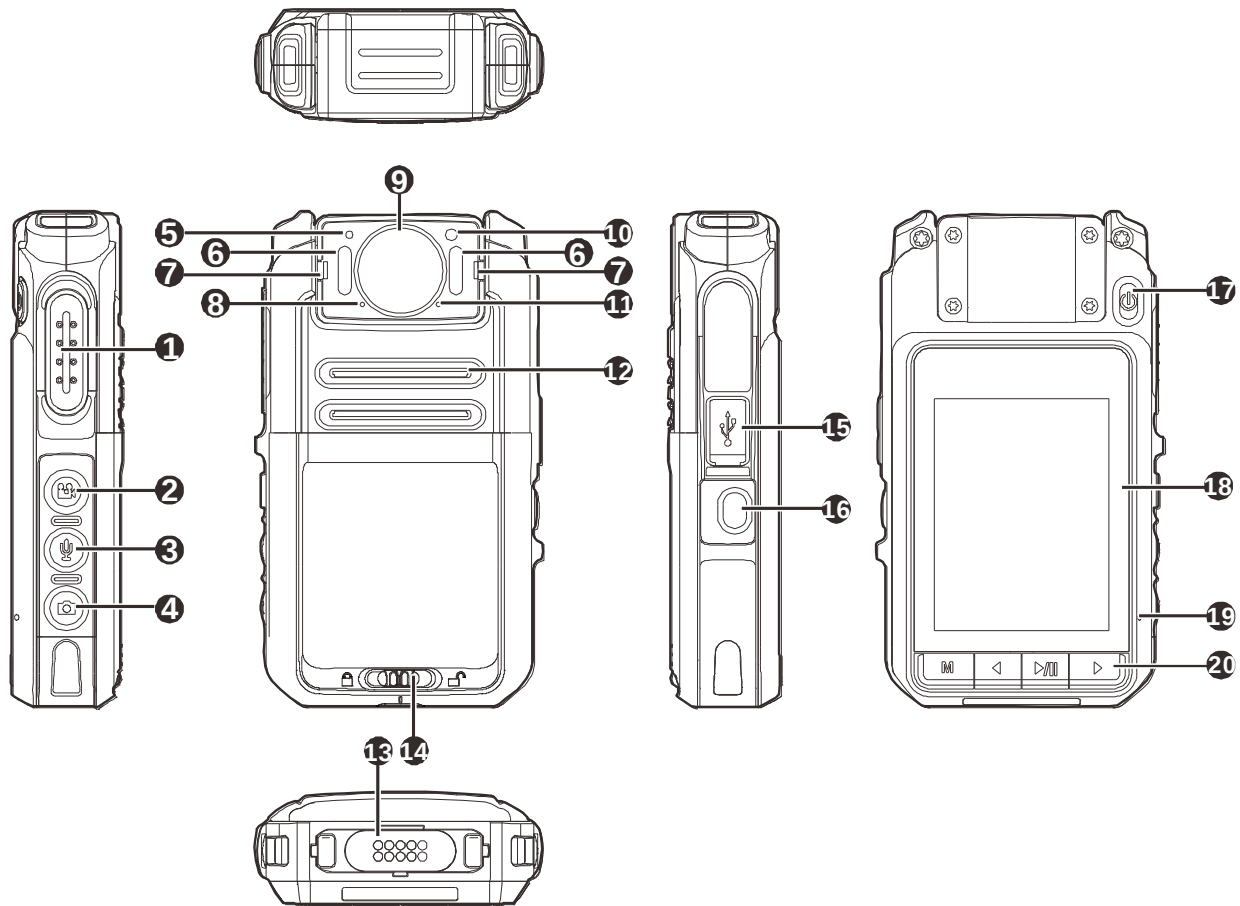
l'émetteur et votre corps. Cet appareil et sa ou ses antennes ne doivent pas être co-localisés ou fonctionner en conjonction avec tout autre antenne ou transmetteur.

1. Packing List

No.	Item	Qty.
1	Remote Video Microphone (RVM)	1
2	Battery	1
3	Belt Clip	1
4	USB Cable	1
5	Power Adapter	1
6	Documentation Kit	1

2. Product Introduction

2.1 Product Layout



No.	Part Name	No.	Part Name
1	Push-to-Talk (PTT) Key	11	Microphone 1
2	Video Recording Key	12	Speaker
3	Audio Recording Key	13	Accessory Interface (10-pin)
4	Photo Taking Key	14	Battery Latch
5	Light Sensor	15	USB Connector
6	Infrared (IR) LED	16	Emergency Alarm Key
7	LED Indicator	17	On/Off Key
8	Microphone 2	18	LCD Display

No.	Part Name	No.	Part Name
9	Lens	19	Microphone 3
10	Light Compensator	20	Keys (Menu/Back Key, Left Key, Play/Pause/Confirm Key, Right Key)

2.2 LCD Icons

Icon	Description
	WLAN is enabled.
	WLAN hotspot is enabled.
	BT Feature is enabled.
	The wireless connection is established.
	The remaining capacity of the TF card is less than 2 GB.
	The TF card is full.
	Earpiece connected.
	: The product is being charged when the battery is low. : The product is fully charged.
	: Low battery. : Full battery.

2.3 LED Indicators

LED Indication	Description
Glows red	- The product is transmitting. - The product is being charged. - The TF card is full. - The product is being turned off.
Glows green	- The product is receiving. - The product is fully charged. - The product is being turned on.

LED Indication	Description
Glows orange	Call idle. You can press and hold the PTT key to speak.
Flashes orange rapidly	Idle status in Emergency Alarm mode.
Flashes red once every five seconds	The battery runs low. Please recharge or replace the battery in time.
Flashes red slowly	The product is recording video.
Flashes orange slowly	● The product is recording audio. ● The remaining capacity of the TF card is less than 2 GB.
The LED indicator flashes red and blue in turn.	The BT is pairing.

2.4 Specifications

RVM	
Dimensions (H x W x D)	24 x 106.5 x 60 mm
Weight (with battery)	< 170g
Image Sensor	16-megapixel
Camera	Fixed angle, glass, 180° rotatable, diagonal 140°, horizontal 106°, vertical 78°
Focus Range	0.1 m to infinity
Battery Life (continuous video recording)	≥8 hours
Battery	2500 mAh
Charging Time	≤ 4 hours
Display Size	2.4 inch
Display Resolution	240 (RGB) x 320

Display Type	TFT-LCD 262K color display
Built-in Storage Capacity	● Standard: 16 GB ● Optional: 32 GB/64 GB/128 GB
Video Format	mp4
Video Encoding Format	H.264
Video Resolution	VGA, 720P, 1080P
Video Frame Rate	30FPS/60FPS
Audio Format	AAC (Advanced Audio Coding)
Photo Format	JPG
Picture Resolution	4608 x 1296 (16-megapixel), 3072 x 1728 (5-megapixel), 2304 x 1296 (3-megapixel)
Pre-recording/Post-recording Time	20s/30s
Speaker Power	2 W
Microphone	● One silicon microphone, -38 dB ● One Electret microphone, -42 dB
WI-FI	802.11 b/g/n (AP mode and STA mode supported)
BT	BT4.0
Connector	Micro USB port, 10-pin contact port
Infrared (IR) LED	OSRAM LED * 6
Night Vision Range (without lighting)	≥3m
Light Compensator	1W
Ingress Protection	MIL-STD-810G, IP67
Drop Resistance	2 m

ESD	● ±6 kV (contact discharge) ● ±12 kV (air discharge)
Operating Temperature	−30°C to +60°C
Storage Temperature	−40°C to +85°C
System Compatibility	Windows XP/Windows 7/Windows 8/Windows 10
Compatible Radio	Hytera Radio
Power Adapter	
Input	110 V – 240 V AC, 50 Hz – 60 Hz
Output	5 V DC, 1A

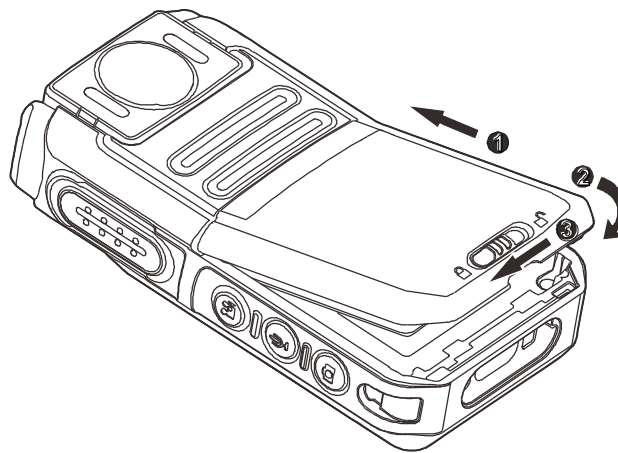
3. Before Use

3.1 Attaching the Battery



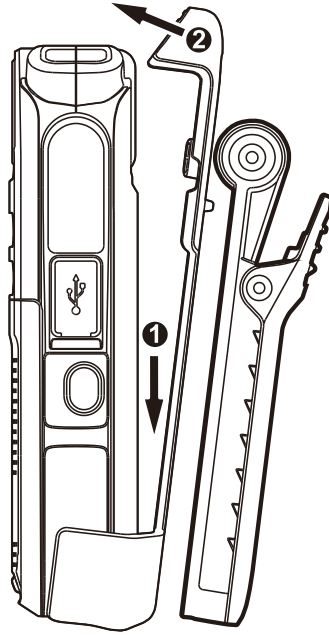
Use only the Hytera standard or optional battery. Polarity reverse and use of other batteries may result in explosion and fire hazards.

The following figure shows how to install the battery. To remove the battery, turn off the product, and then go through the following steps reversely.



3.2 Installing the Belt Clip

The following figure shows how to install the belt clip. To remove the belt clip, go through the following steps reversely.



3.3 (Optional) Connecting the Accessory Connection Cable

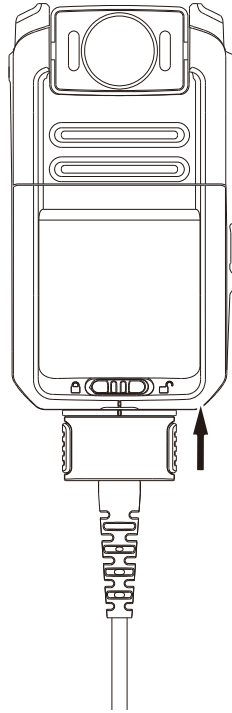


Note

Skip this section if you have not purchase the accessory connection cable.

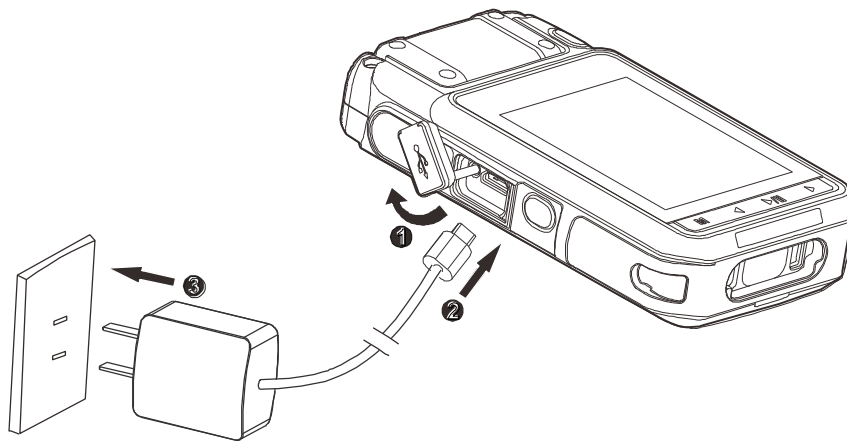
The following figure shows how to connect the accessory connection cable.

To disconnect the cable, press both sides of the cable connector and remove the connector with proper force.



3.4 Charging the Product

The LED indicator flashes once every five seconds, indicating that the battery is low. To charge the product, do as follows:



The LED indicator tells you the charging status of the product. See [0 Description](#) for details.

4. Basic Functions and Operations

4.1 Turning the Product On or Off

Turning the Product On

Press and hold the **On/Off** key for 3s to enter the Live View mode.

Turning the Product off

Press and hold the **On/Off** key for 3s.

4.2 Basic Settings

Basic settings allow you to set the BT, WLAN, WLAN hotspot, language, screen, volume, silent mode, night vision, and other features. To enter the basic settings screen, press and hold the **Menu/Back** key in the Live View mode.

4.2.1 BT

BT setting allows you to enable or disable BT and Device Match features, view Device Name and MAC Address.

To enable the BT feature, do as follows:

1. Press the **Play/Pause/Confirm** key to enter the **BT** screen.
2. Press the **Left** key or the **Right** key to select **On**, and then press the **Play/Pause/Confirm** key.

To enable or disable the Device Match, do as follows:

- a. Press the **Left** key or the **Right** key to select **Device Match**, and then press the **Play/Pause/Confirm** key.
- b. Press the **Left** key or the **Right** key to select **On** or **Off**, and then press the **Play/Pause/Confirm** key.

To view Device Name or MAC Address, press the **Left** key or the **Right** key to select **Device Name** or **MAC Address**, and then press the **Play/Pause/Confirm** key to view detailed information.

To disable the BT feature, do as follows:

1. Press the **Play/Pause/Confirm** key to enter the **Hotspot On/Off** screen.
2. Press the **Left** key or the **Right** key to select **Off**, and then press the **Play/Pause/Confirm** key.

4.2.2 WLAN

WLAN setting allows you to enable or disable WLAN, view the network list, select the device to be connected

and view the IP address.

To enable WLAN, do as follows:

1. Press the **Play/Pause/Confirm** key to enter the **Hotspot On/Off** screen.
2. Press the **Left** key or the **Right** key to select **On**, and then press the **Play/Pause/Confirm** key.

You can press the **Left** key or the **Right** key to select the **Network List** or **IP Address** to view detailed information.

- To view the network list and select the device to be connected, do as follows:
 1. Press the **Left** key or the **Right** key to select **Network List**, and then press the **Play/Pause/Confirm** key.
 2. Press the **Left** or the **Right** key to select the device to be connected, and then press the **Play/Pause/Confirm** key.
- To view the IP address, press the **Left** key or the **Right** key to select **IP address**, and then press the **Play/Pause/Confirm** key.

To disable WLAN, do as follows:

1. Press the **Play/Pause/Confirm** key to enter the **Hotspot On/Off** screen.
2. Press the **Left** key or the **Right** key to select **Off**, and then press the **Play/Pause/Confirm** key.

4.2.3 WLAN Hotspot

WLAN Hotspot setting allows you to enable or disable hotspot, view hotspot name, hotspot password, MAC address and IP address.

To enable WLAN Hotspot, do as follows:

1. Press the **Play/Pause/Confirm** key to enter the **Hotspot On/Off** screen.
2. Press the **Left** key or the **Right** key to select **On**, and then press the **Play/Pause/Confirm** key.

You can press the **Left** key or the **Right** key to select the **Name**, **Password**, **MAC Address** or **IP Address** to view detailed information.

To disable WLAN Hotspot, do as follows:

1. Press the **Play/Pause/Confirm** key to enter the **Hotspot On/Off** screen.
2. Press the **Left** key or the **Right** key to select **Off**, and then press the **Play/Pause/Confirm** key.

4.2.4 Language

Language setting allows you to set the language displayed on the interface

1. Press the **Left** key or the **Right** key to select **Language**, and then press the **Play/Pause/Confirm** key.

2. Press the **Left** key or the **Right** key to select the desired language, and then press the **Play/Pause/Confirm** key.

4.2.5 Display

Brightness

To adjust the display brightness, do as follows:

1. Press the **Left** key or the **Right** key to select **Screen**, and then press the **Play/Pause/Confirm** key.
2. Press the **Left** or the **Right** key to select **Brightness**, and then press the **Play/Pause/Confirm** key.
3. Press the **Left** or the **Right** key to select the brightness value, and then press the **Play/Pause/Confirm** key.

Screen Off

To set the time for the screen to be turned off when no operation is detected, do as follows:

1. Press the **Left** key or the **Right** key to select **Screen**, and then press the **Play/Pause/Confirm** key.
2. Press the **Left** or **Right** key to select **Screen off**, and then press the **Play/Pause/Confirm** key.
3. Press the **Left** or **Right** key to select **10s**, **20s**, **30s** or **Off**, and then press the **Play/Pause/Confirm** key.

Auto Brightness

With this feature enabled, the product will adjust the display brightness automatically for optimal effect. To enable or disable the feature, do as follows:

1. Press the **Left** key or the **Right** key to select **Screen**, and then press the **Play/Pause/Confirm** key.
2. Press the **Left** key or the **Right** key to select **Auto Brightness**, and then press the **Play/Pause/Confirm** key.
3. Press the **Left** key or the **Right** key to select **On** or **Off**, and then press the **Play/Pause/Confirm** key.

Sleep Mode

This feature allows the product to save more power. To set the sleep mode, do as follows:

1. Press the **Left** key or the **Right** key to select **Screen**, and then press the **Play/Pause/Confirm** key.
2. Press the **Left** key or the **Right** key to select **Sleep Mode**, and then press **Play/Pause/Confirm** key.
3. Press the **Left** or the **Right** key to select **5min**, **20min**, **30min** or **Off**, and then press **Play/Pause/Confirm** key.



Note

The Sleep Mode starts when no operation is detected.

4.2.6 Volume

This feature allows you to adjust the volume for the alert, video playback, and audio playback. To adjust the volume, do as follows:

1. Press the **Left** key or the **Right** key to select **Volume**, and then press the **Play/Pause/Confirm** key.
2. Press the **Left** key or the **Right** key to select **High**, **Medium**, **Low** or **Silent**, and then press the **Play/Pause/Confirm** key.

4.2.7 Silent Mode

With this feature enabled, the product gives no alert tones, the indicator will not light up, and the display brightness is at the lowest level.

To enable or disable the Silent Mode, do one of the following:

- Press the **Left** key or the **Right** key to select **Silent Mode**, and then press the **Play/Pause/Confirm** key. Press the **Left** key or the **Right** key to select **On** or **Off**, and then press the **Play/Pause/Confirm** key.
- Press and hold both the **On/Off** key and the **Menu/Back** key simultaneously.

4.2.8 Night Vision

With this feature enabled, the IR LED will light up when the product is recording video in the dark. To enable or disable this feature, do as follows:

1. Press the **Left** key or the **Right** key to select **Night Vision**, and then press the **Play/Pause/Confirm** key.
2. Press the **Left** key or the **Right** key to select **On** or **Off**, and then press the **Play/Pause/Confirm** key.

4.2.9 About

This feature allows you to view the Model Name, Device ID, SN, Processor, and other information.

To view related information, do as follows:

1. Press the **Left** key or the **Right** key to select **About**, and then press the **Play/Pause/Confirm** key.
2. Press the **Left** key or the **Right** key to view the details.

4.3 Waking Up the Product

To wake up the product after it enters the Sleep Mode, press the **On/Off** key.

4.4 Turn the Display on or off

Turn the Display On

To turn the display on, press any key except **PTT**.

Turn the Display Off

To turn the display off, press the **On/Off** key.



Note

The display will be turned off automatically if you set a period for the Screen Off feature.

4.5 Recording Videos or Audios and Taking Photos by One Key

To record videos or audios or take photos, do as follows:

- In power-off mode: press and hold the **Video Recording** key/**Audio Recording** key/**Photo Taking** key.
- In Sleep Mode: press the **Video Recording** key/**Audio Recording** key/**Photo Taking** key.

To stop recording video or audio, press the **Video Recording** key/**Audio Recording** key again.

4.6 Recording Videos

To record videos in the Live View mode, press the **Video Recording** key. The LCD display will show the video duration. Press the **Video Recording** key again to finish.

4.7 Pre-recording/Post-recording

Pre-recording

This feature allows you to record the video for a predefined time period before pressing the **Video Recording** key to start recording.

To enter pre-recording mode, press and hold the **Video Recording** key in the Live View mode. Press and hold it again to exit.

Post-recording

This feature allows you to record the video for a predefined time period after pressing the **Video Recording** key to finish recording.

To enter post-recording mode, do as follows:

1. Press the **Video Recording** key to start recording normal video, or press the **Emergency Alarm** key or **Menu/Back** key to start recording important video.
2. Press the **Video Recording** key again to stop recording.

The product will enter post-recording mode automatically.

To exit post-recording mode:

- For normal video recording: press the **Video Recording** key.
The product will start normal video recording again. To stop recording, press the **Video Recording** key.
- For important video recording: press the **Emergency Alarm** key.
The product will start important video recording again. To stop recording, press the **Video Recording** key.



Note

The pre-recording and post-recording features can be programmed by your dealer.

4.8 Recording Audios

To record audios in the Live View mode, press the **Audio Recording** key. Press it again to finish.

4.9 Taking Photos

To take photos in the Live View mode, press the **Photo Taking** key.

4.10 Marking Videos/Audios as Important

- To mark videos/audios as important when recording, press the **Menu/Back** key.
- To directly record videos/audios marked as “important”, press the **Emergency Alarm** key. To stop recording, press and hold the **Emergency Alarm** key or press the **Video Recording** key.

4.11 Taking Photos When Recording Videos

To take photos when recording videos, press the **Photo Taking** key.

4.12 Preview and Playback

You can preview and play videos, audios, and photos in the similar way. This section takes video preview and playback as an example.

To preview and play videos, do as follows:

1. In the Live View mode, press the **Menu/Back** key.
2. Press the **Left** key or the **Right** key to select **Video**.
3. Press the **Play/Pause/Confirm** key to preview the videos.
4. Press the **Left** key or the **Right** key to select the video to play.
5. Press the **Play/Pause/Confirm** key to play.

You can do the following during playing:

- Pause: Press the **Play/Pause/Confirm** key.
- Fast-forward: Press the **Right** key to select a speed.
- Fast-backward: Press the **Left** key to select a speed.
- Play the previous video: Press the **Left** key when the video is paused.
- Play the next video: Press the **Right** key when the video is paused.

4.13 Turning the Flashlight On or Off

To turn the flashlight on, press and hold the **Audio Recording** key. To turn the flashlight off, press and hold **Audio Recording** key again.

4.14 IR Controlling by Light Sensor

With the Night Vision feature enabled, when the light sensor detects that the environment light dims in video recording, the IR LED will be turned on. When the environment light brightens, the IR LED will be turned off.

4.15 Adjusting the Volume



Note

This feature is available only when the product is wirelessly connected to the multi-mode advanced radio.

- To adjust the call volume during a call, press the **Left** key to decrease the volume, press the **Right** key to increase it.
- To adjust the alert tone volume when the product is in standby mode, press the **Left** key to decrease the volume, press the **Right** key to increase it.
- To adjust the video/audio volume when playback, press the **Left** key to decrease the volume, press the **Right** key to increase it.

4.16 Selecting the Channel/Contact



Note

This feature is available only when the product is wirelessly connected to the multi-mode advanced radio.

1. Press the **Play/Pause/Confirm** Key in Live View mode.
2. Press the **Left** key or the **Right** key to select the channel/contact.

4.17 Selecting the Zone/Group (folder)



Note

This feature is available only when the product is wirelessly connected to the multi-mode advanced radio.

1. Press the **Play/Pause/Confirm** key in Live View mode.
2. Press the **Left** key or the **Right** key to select the zone/group (folder).

4.18 Pressing PTT to Talk

When the product is wiredly or wirelessly connected to the portable radio, press and hold the **PTT** key to speak into the microphone, and release it when you've finished.

If the product is connected to the radio by cable and BT simultaneously, the voice will be transmitted by cable.

4.19 Initiating Emergency Alarm

When the product is wirelessly connected to the portable radio, pressing the **Emergency Alarm** key can initiate an emergency alarm to ask for help from your companion or the control center, and start important video recording simultaneously.



Note

The emergency alarm has the highest priority. You can initiate an emergency alarm when the radio is transmitting or receiving. The duration of the **Emergency Alarm** key press can be set by your dealer.

4.20 Video Transmitting with One-way Voice

The product supports Real Time Streaming Protocol (RTSP) video stream and one-way voice. You can view the real-time video of the product and hear it via SmartOne Dispatch station.

4.21 Video Transmitting with Full-duplex Voice

The product supports Real Time Streaming Protocol (RTSP) video stream and full-duplex voice. You can view the real-time video of the product and communicate with the product via SmartOne Dispatch station.

5. Troubleshooting

Phenomena	Analysis	Solution
The product cannot be powered on.	The battery may be improperly installed.	Remove the battery and attach it again.
	The battery may run out.	Recharge or replace the battery.
	The radio battery and the charging probes are in poor contact due to dirtied or damaged battery contacts.	Clean the battery contacts.
Wireless connection cannot be established.	The product is out of the communication coverage of the radio.	Make sure that the product and the radio are within the communication coverage of each other.
You hear noise during calls.		
The LED indicator does not glow red when you press and hold the PTT key.		
The volume is low when the product is used with portable radio.	The microphone 2 and speaker are blocked or damaged.	Clean the microphone 2 and speaker.
The video or audio volume is low.	The microphone 1 is blocked or damaged.	Clean the microphone 1.
The product cannot record video or audio.	The TF card is full.	Delete all data from the TF card after exporting the data.
The product cannot take photos.	The TF card is full.	Delete all data from the TF card after exporting the data.
	The photo reaches the maximum number (300).	Delete all the photos after exporting them.
The product cannot pre-record or post-record.	The pre-recording or post-recording feature is not enabled.	Enable the features via CPS.

The IR LED has not been turned on automatically when the product is recording videos in the dark.	The Night Vision feature is not enabled.	Enable the Night Vision feature.
The product gives no alert; the indicator does not light up; the display lightness is at the lowest value.	The Silent Mode is enabled.	Disable the Silent Mode.
The product gives no response to operations.	The system is crashed.	Press the Audio Recording key, the Left key, and the Right key simultaneously to power off the product, and then power on it again.

If the above solutions cannot fix your problems, or you may have some other queries, please contact us or your local dealer for more technical support.

6. Care and Cleaning

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

Product Care

- Do not pierce or scrape the product.
- Keep the product away from substances that can corrode the circuitry.
- Do not hold the product by connection cable.
- Attach the USB port cover when the USB port is not in use.

Product Cleaning



Caution

- Power off the product before cleaning.
 - Make sure the product is completely dry before use.
-
- Clean up the dust and fine particles on the product's surface with a clean and dry lint-free cloth or a brush regularly.
 - Use a non-woven cloth with neutral cleanser to clean the device after long-time use. Do not use chemical preparations such as stain removers, alcohol, sprays or oil preparations, so as to avoid potential damage on the surface.

7. Optional Accessories



Caution

Use the accessories specified by the Company only; otherwise, we shall not be liable for any losses or damages arising out of the use of any unauthorized accessories.

Contact your local dealer for the optional accessories of the product.