



BWC Manager

Operation Guide

R2. 5_V5.0



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Preface

This chapter introduces the conventions and revision history of this document

Documentation Conventions

Icon Conventions

Icon	Description
 Tip	Information that helps you make better use of your product.
 Note	References that further describes the related topics.
 Caution	Situations that could cause data loss or equipment damage.

Notation Conventions

Notation	Description
“ ”	The quotation marks enclose the name of a software interface element. For example, click “OK”.
Bold	The text in boldface denotes the name of a hardware button. For example, press the PTT key.
->	The symbol directs you to access a multi-level menu. For example, to select “New” from the “File” menu, we will describe it as follows: “File -> New”.

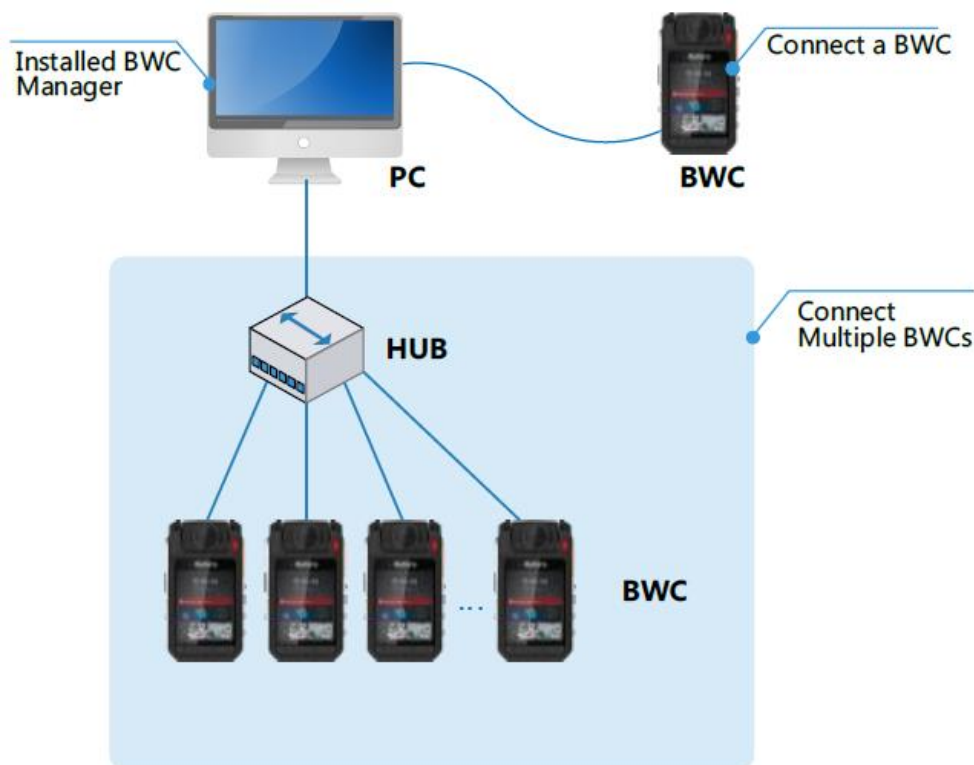
Revision History

Version	Release Date	Description
R2.5	2020-05	Update
R2.2	2019-10	Update
R2.1	2019-03	Added new model
R2.0	2018-08	Update
R1.0	Nov, 2017	Initial release

1. Overview

1.1 Introduction

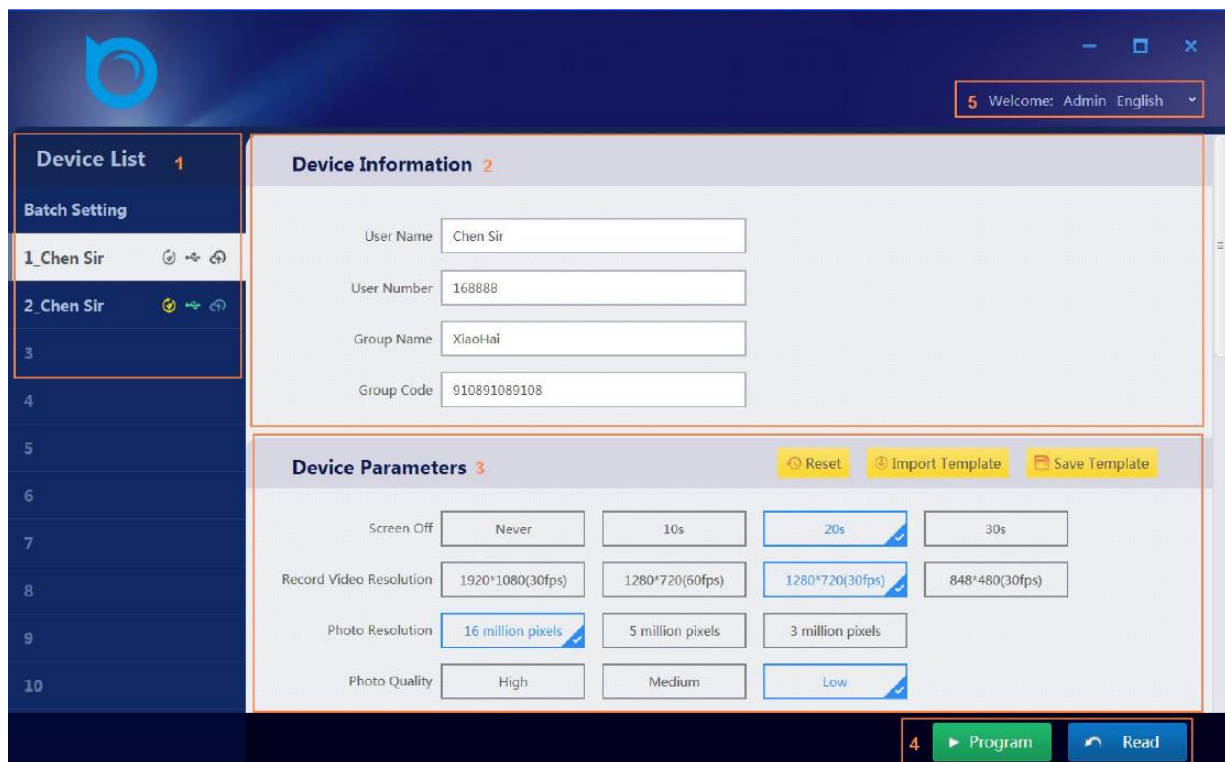
The BWC (Body Worn Camera) Manager is the PC software designed to manage BWCs. It enables users to read, edit and program the device configurations and upgrade firmware. Besides, it can configure BWCs by batch and supports template management to improve work efficiency.



Users only need to install the tool on the PC, and connect BWCs via data cable or hub, then use it to manage BWCs.

1.2 Homepage

The figure below is the tool homepage.



Area	Description
1. Device List	● Display the device number and user name; click the user name to view configurations. ● Format disk, switch disk mode and upgrade firmware ● Display the menu Batch Setting while connecting multiple BWCs to realize unified management.
2. Menu Bar	View software version, set interface language and change password.
3. Device Information	View and edit user name and ID, unit name and ID.
4. Device Parameters	● View and edit device parameters, such as Screen Off Time, Pre-record Time, Post-record Time, resolution. ● Import and save template, reset to factory defaults.
5. Read/Program	● Read: read configurations from BWC. ● Program: program configurations to BWC.

1.3 Preparations

1.3.1 Install the Tool

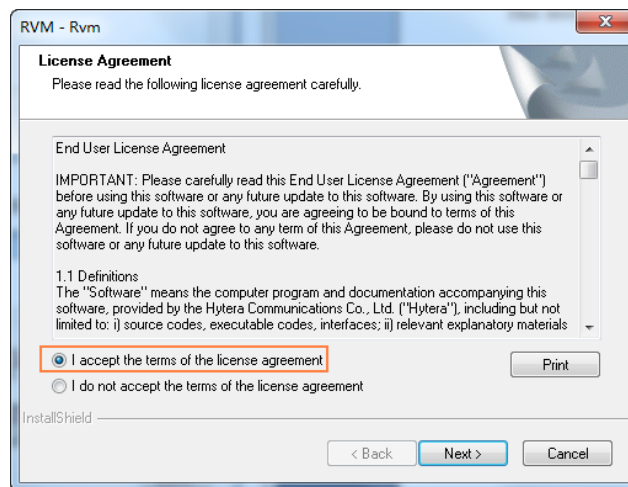
Currently the tool supports the following operating systems including Windows 7, Windows 8 and Windows 10.

This part takes the Windows 7 operating system as an example to simply introduce the installation steps.

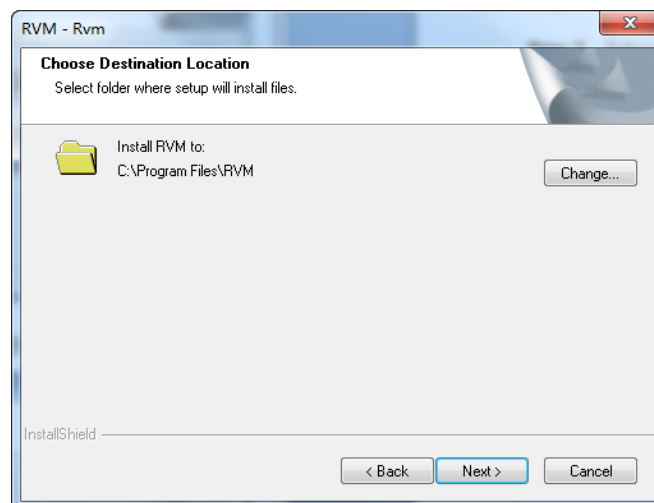
After obtaining the installation package, please install the driver and software according to the installation wizard.

Step 1 Choose the language and continue.

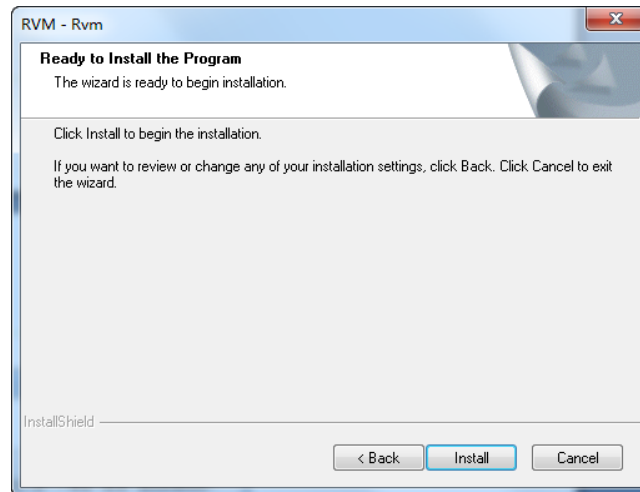
Step 2 Select “I accept the terms of the license agreement” and click **Next**.



Step 3 The tool is installed in the C disk by default, click **Change** to change the installation path if necessary, and then click **Next**.



Step 4 Click **Install**, and the tool automatically starts installation.



Caution

During installing, if the tip dialogue box of driver installation pops up, please choose to install the driver, otherwise the tool cannot be used.

1.3.2 Connect BWC

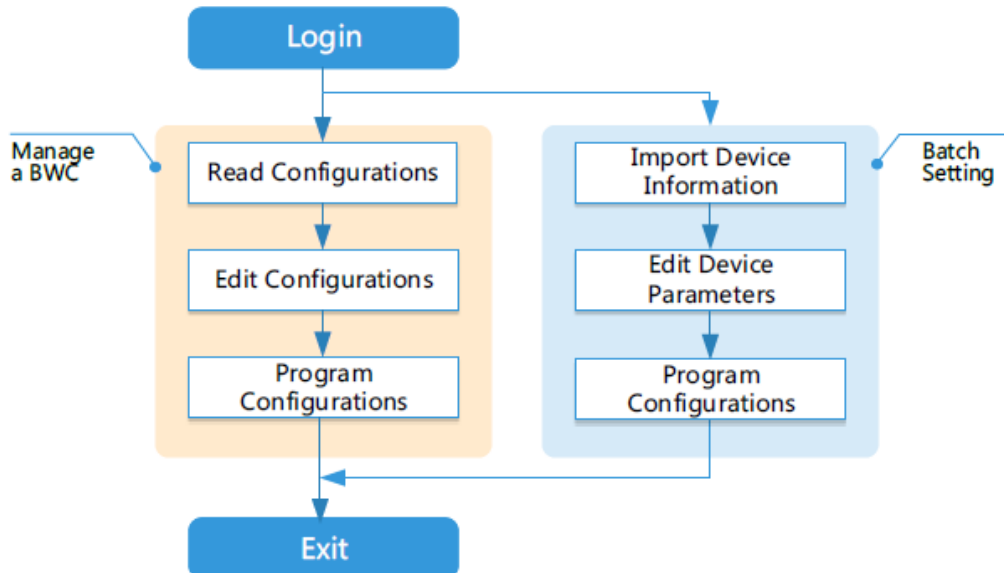
Power on the BWC and connect it to the PC via data cable. You can use hub to connect multiple BWCs if necessary. When the BWC is connected to the PC successfully, its screen shows “programming mode”.

Note

You can also purchase the multi-unit charger to connect multiple BWCs.

2. Main Operations

2.1 Operation Flow



Note

- Each BWC has two default user accounts: Admin and User. This chapter takes the Admin as an example to introduce the main operations of the tool.
- Both the Admin and User can manage single BWC. Only the Admin can manage multiple BWCs by **Batch Setting**.
- The configurations include device information and device parameters.

2.2 Login

Step 1 Before login, please confirm that BWC has successfully connected to the PC, see [1.3.2 Connect BWC](#).

Step 2 Run the BWC Manager.

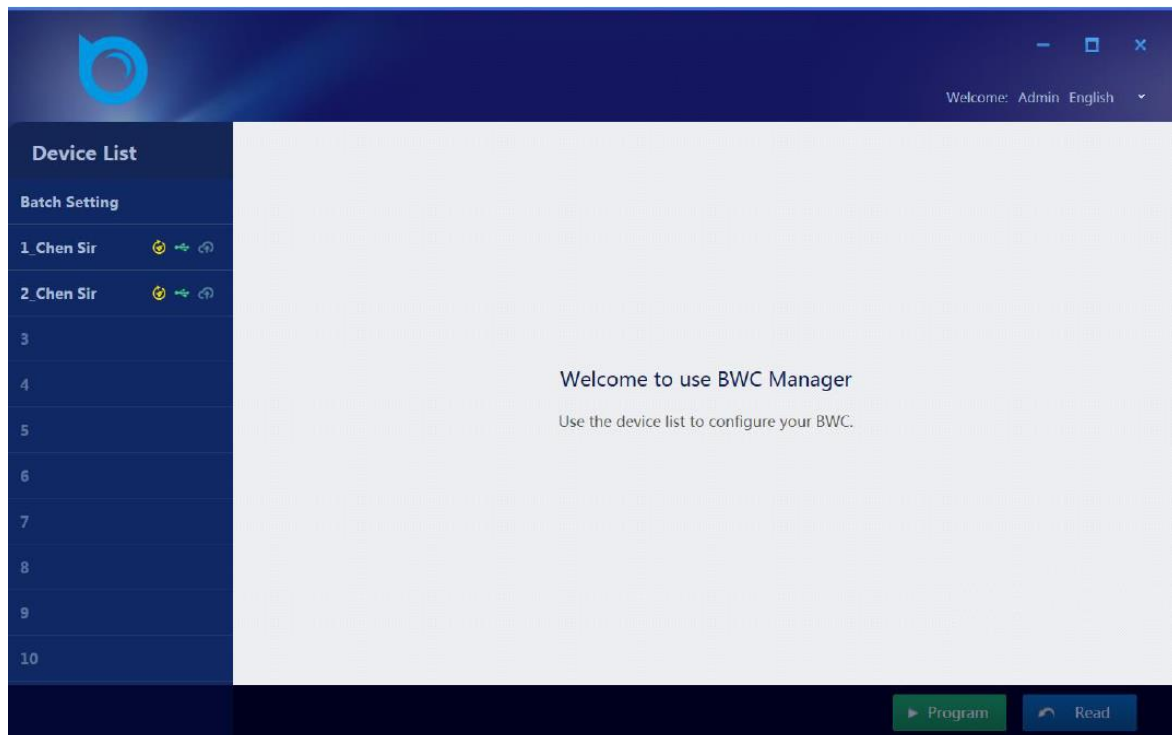
Step 3 Choose the Admin account and enter password.



Note

The default passwords of both the Admin and User are 99999999. See [3.2.2 Change Password](#) to modify if necessary.

After you successfully log in, the tool automatically enters the homepage as below.



2.3 Manage a BWC

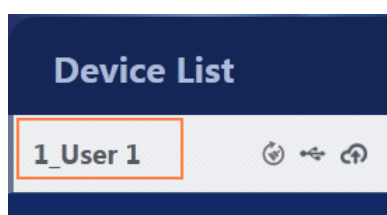
This feature enables users to manage a BWC, including reading, edit and programming of device configurations.

2.3.1 Read Device Configurations

You can read the device configurations with any one of the following methods.

Method 1

Click the user name in the device list. The tool automatically reads and displays device information and parameters of the connected BWC



Note

The tool only reads once from BWC when you click the user name. After that, if you stay in the current edit page, this method is invalid.

Method 2

Step 1 Click **Read** on the bottom right of the edit page.

Step 2 Click **OK** in the popped dialogue box.

The edit page displays the device information and parameters read from the BWC.

2.3.2 Edit Device Configurations

Edit Device Information

Step 1 Click the user name in the device list to access the edit page.

Step 2 Edit user name, user ID, unit name and unit ID.

Device Information

User Name

User ID

Unit Name

Unit ID



Note

Only Admin can edit device information. See [4.1 Device Information Description](#) for details,

Edit Device Parameters

Step 1 Click the user name in the device list to open the edit page.

Step 2 Edit device parameters.

Device Parameters

Reset
Import Template
Save Template

Screen Off Time	Off	10s	20s	30s
Record Video Resolution	1920*1080 (60fps)	1920*1080 (30fps)	1280*720 (60fps)	1280*720 (30fps)
	848*480 (30fps)			
Photo Resolution	4608*3456 (16M)	3072*1728 (5M)	2304*1296 (3M)	
Photo Quality	Ultra	HD	Normal	
Pre-record Time	Off	10s	20s	
Post-record Time	Off	10s	20s	30s
Realtime Video Resolution	1280*720 (30fps)	1280*720 (15fps)	848*480 (30fps)	848*480 (15fps)
Watermark	Off	DateTime		Date Time+Device ID
	Date Time+User ID			
Date/Time	2017/08/10 10:26:04 Auto ☐ Manual ☒			



Note

- See [0](#)
- [Device Parameters](#) Description for details.
- For the edit permissions of Admin and User, see [4.3 Edit Permission of Device Parameters](#).

2.3.3 Program Device Configurations

After setting device information and parameters, you can program the configurations to the BWC.

Step 1 Click the user name in device list to open the edit page.

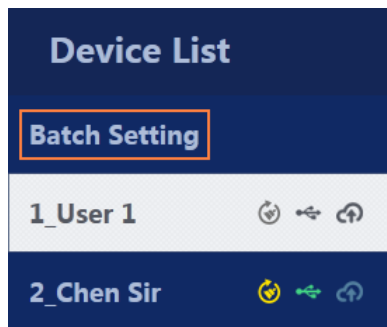
Step 2 Click **Program** on the bottom right of the edit page.

When the page shows “Programming succeeded”, the configurations are successfully programmed to the BWC.

2.4 Batch Setting

This feature enables users to manage multiple BWCs at the same time, such as the unified setting of device information and parameters.

When multiple BWCs are connected, the device list shows **Batch Setting**.



Note

- Only the Admin can conduct batch setting, and can manage 10 BWCs at most.
- The Admin password of all connected BWCs must be the same; otherwise the BWC verification will fail.
- Configurations cannot be read from BWC when batch setting is performed.

2.4.1 Edit Device Information

For batch setting, all device information is set in Excel file. Please edit device information as below before importing the Excel file.

Step 1 Open the file “BWC Device Info.xlsx” in the installation package.

Step 2 Edit device information, such as user name and user ID.



Note

The WLAN and BT information are edited in the Excel file as well.

Step 3 Save and close the file.

2.4.2 Import Device Information

Step 1 Click **Batch Setting** in the device list to open the edit page.

Step 2 Click **Import Device Information**, and the window **Select File** pops up.

Step 3 Select the Excel file of device information and click **Open**.

After the file is imported to the tool, you can view the imported device information in the **Pending** column.

Device Information						
Pending (2)		Done (2)		Import Device Information		
User Name	User ID	Unit Name	Unit ID	WLAN Name	BT Name	Status
Chen Sir	168888	XiaoHai	910891089108	VM680	VM680	Successful
User	111111	XiaoHai2	910891089108	VM681	VM681	Successful

2.4.3 Edit Device Parameters

Step 1 Click **Batch Setting** in the device list to open the edit page.

Step 2 Edit device parameters.

Device Parameters
 Reset
 Import Template
 Save Template

Screen Off Time	Off	10s	20s ✓	30s
Record Video Resolution	1920*1080 (60fps)	1920*1080 (30fps)	1280*720 (60fps)	1280*720 (30fps) ✓
	848*480 (30fps)			
Photo Resolution	4608*3456 (16M) ✓	3072*1728 (5M)	2304*1296 (3M)	
Photo Quality	Ultra	HD	Normal ✓	
Pre-record Time	Off ✓	10s	20s	
Post-record Time	Off ✓	10s	20s	30s
Realtime Video Resolution	1280*720 (30fps)	1280*720 (15fps)	848*480 (30fps) ✓	848*480 (15fps)
Watermark	Off	DateTime ✓	Date Time+Device ID	Date Time+User ID
Date/Time	2017/08/10 10:27:46 ☐ Auto ☒ Manual			



➤ See 0

[Device Parameters](#) Description for details.

2.4.4 Program Device Configurations

You can program the configurations to the BWC.

Step 1 Click **Batch Setting** in the device list to enter edit page.

Step 2 Click **Program** on the bottom right of the edit page.

The tool programs the configurations to all connected BWCs in the order of the device number 1~10.

After programming finishes, you can view the device information in **Done** column.

Device Information						
Pending (2)		Done (2)			⌚ Import Device Information	
User Name	User ID	Unit Name	Unit ID	WLAN Name	BT Name	Status
Chen Sir	168888	XiaoHai	910891089108	VM680	VM680	Successful
User	111111	XiaoHai2	910891089108	VM681	VM681	Successful

2.5 Exit

Step 1 Click  in top right corner of the home page.

Step 2 Click **Exit** from the drop-down list.

3. Other Operations

3.1 Manage Template

You can save device parameters of a BWC as template, and then import the template to configure other BWC.

This feature can be applied to manage a BWC or multiple BWCs.

3.1.1 Save Template

Step 1 Click the user name in the device list to open the edit page.



Note

To use the template for multiple BWCs, click **Batch Setting** to open the edit page.

Step 2 Click **Save Template** in the edit page, the window **Save Template** prompts.

Step 3 Enter the template name and click **Browse** to select the file save path.

Step 4 Click **OK** to save template as xml file.

3.1.2 Import Template

Step 1 Click the user name in the device list to open the edit page.



Note

To use the template for multiple BWCs, click **Batch Setting** to open the edit page.

Step 2 Click **Import Template** in the edit page, the window **Choose File** prompts.

Step 3 Choose the template file to be imported and click **Open**.

You can view the imported device parameters after importing finishes.

3.2 Password Management

3.2.1 Retrieve Password



Note

Only the Admin can retrieve password. Please choose the **Admin** account in the login page.

Step 1 Click **Forget Password** in the Admin login page to enter **Retrieve Password** page.

Step 2 Obtain the verification code according to the instructions in the page.

Step 3 Enter the correct verification code, and click **OK** to view the retrieved Admin password.

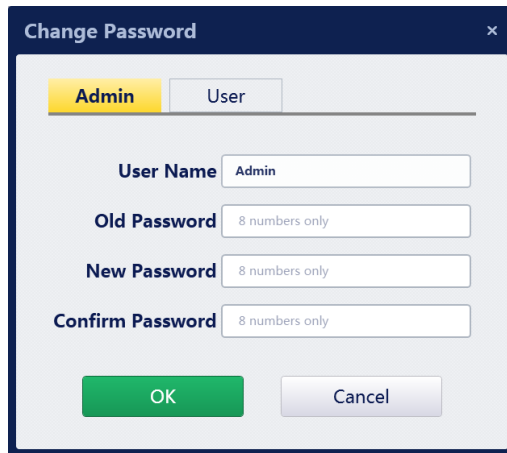
3.2.2 Change Password

Change Admin Password

Step 1 Use the Admin account and password to log in and enter the homepage.

Step 2 Click  in the top right corner and choose **Change Password**.

Step 3 Enter the Old Password, New Password and Confirm Password in the **Admin** tab page.



The image shows a 'Change Password' dialog box with a dark blue header and a close button (X) in the top right corner. Below the header, there are two tabs: 'Admin' (highlighted in yellow) and 'User'. The 'Admin' tab contains four input fields: 'User Name' with the value 'Admin', 'Old Password' with the placeholder '8 numbers only', 'New Password' with the placeholder '8 numbers only', and 'Confirm Password' with the placeholder '8 numbers only'. At the bottom, there are two buttons: a green 'OK' button and a grey 'Cancel' button.

Step 4 Click **OK** to save new password.



Note

You can set the Admin password of all connected devices to the same one. Please make sure all devices are successfully connected to the PC and the old password verification succeeded.

Change User Password

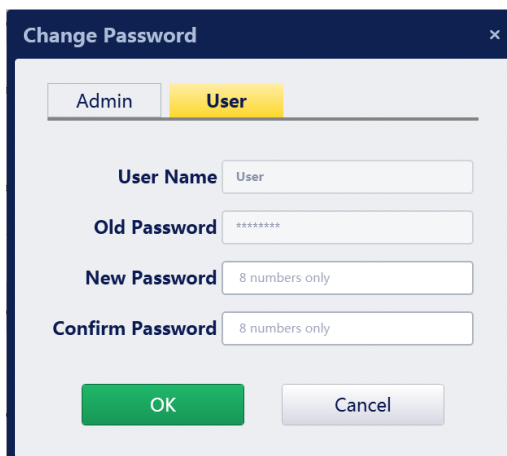
Change password by Admin

Step 1 Use the Admin account and password to log in and enter the homepage.

Step 2 Click the user name in the device list to choose a device.

Step 3 Click  in the top right corner and choose **Change Password**.

Step 4 Enter new password and confirm password in the **User** tab page.



The image shows a 'Change Password' dialog box with a dark blue header and a close button (X) in the top right corner. Below the header, there are two tabs: 'Admin' and 'User' (highlighted in yellow). The 'User' tab contains four input fields: 'User Name' with the value 'User', 'Old Password' with the placeholder '*****', 'New Password' with the placeholder '8 numbers only', and 'Confirm Password' with the placeholder '8 numbers only'. At the bottom, there are two buttons: a green 'OK' button and a grey 'Cancel' button.

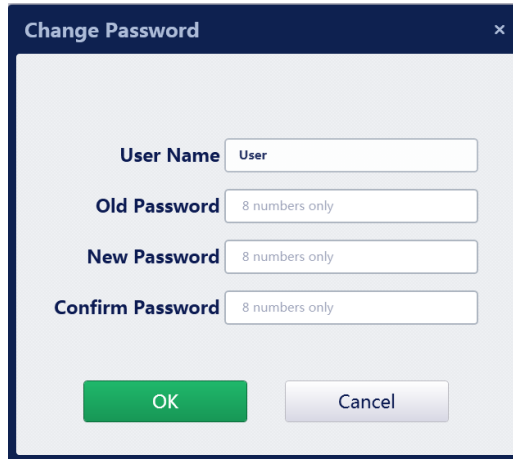
Step 5 Click **OK** to save new password.

Change Password by User

Step 1 Use the User account and password to log in and enter the homepage.

Step 2 Click  in the top right corner, and choose **Change Password**.

Step 3 Enter the Old Password, New Password and Confirm Password.



A dialog box titled "Change Password" with a close button (X) in the top right corner. It contains four input fields: "User Name" with the value "User", "Old Password" with the placeholder "8 numbers only", "New Password" with the placeholder "8 numbers only", and "Confirm Password" with the placeholder "8 numbers only". At the bottom, there are two buttons: a green "OK" button and a grey "Cancel" button.

Step 4 Click **OK** to save new password.

3.3 Manage BWC Disk



Note

Only the Admin can manage disk.

3.3.1 Format Disk



Note

After disk formatting, all media files in the BWC will be cleared, including videos, photos and audios. Please be careful to format the disk.

Step 1 Click the user name in the device list.

Step 2 Click .

Step 3 Click **OK** in the popped dialogue box.

The page prompts "Formatting succeeded".

3.3.2 Switch to Disk Mode

Step 1 Click the user name in the device list.

Step 2 Click  to switch to the disk mode.

The disk directory window automatically pops up. You can view and manage the BWC files, such as photos, videos.

3.4 Upgrade Firmware

Before upgrade, please contact the Hytera customer service to obtain the upgrade file.



Note

Only the Admin can upgrade the BWC.

Step 1 Click the user name in the device list.

Step 2 Click  and choose the upgrade file in the popped up window.

The upgrade file is automatically copied to the BWC, and the tool interface prompts “File copied to the device, disconnect the device to upgrade”.

Step 3 Disconnect the BWC.

The BWC detects the upgrade file and automatically execute upgrade task.

3.5 Factory Reset

This feature is for the Admin to reset the device parameters to default settings.

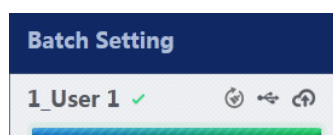
3.5.1 Reset a Device

Step 1 Click the user name in the device list to open the edit page.

Step 2 Click **Reset**.

Step 3 Click **OK** in the popped dialogue box.

A progress bar displays below the user name. After resetting is done, the  will display beside the user name.



3.5.2 Reset Multiple Devices

Step 1 Click **Batch Setting** in the device list to enter the edit page.

Step 2 Click **Reset**.

Step 3 Click **OK** in the popped dialogue box.

The tool executes resetting for all connected devices in the order of device number 1~10.

A progress bar displays below the user name. After resetting is done, the  will display beside the user name.

3.6 View Version

Click  in top right of the homepage, and choose **Version**.

3.7 Set Language

Click  in the top right corner of the homepage, choose **Language Setting**, and then choose the language type.

3.8 View Help

Click  in the top right corner of the homepage, and choose **Help**.

4. Appendix

4.1 Device Information Description

Name	Description
User Name	The user name of BWC, displaying the device list as well, such as police name.
User ID	The User ID of BWC, such as police ID.
Unit Name	The unit name of the user, such as the name of the police station.
Unit ID	The unit ID of the user, such as police station number.

4.2 Device Parameters Description

This tool is applicable to VM550, VM550D, VM680, VM690, VM780(Y), VM780(M), DSJ-HYTH7A1(M), DSJ-HYTH7A1(Y) and DSJ-HYTI6A1(Y). Parameters vary from models. Please refer to the interface.

Name	Description
Screen Off Time	The screen auto-off time of the BWC
Record Video Resolution	The resolution and transmission frame rate of local recording and stored video
Photo Resolution	The resolution of photos
Photo Quality	The quality level of photos
Video Quality	The video quality level.
Pre-record Time	The pre-record feature can help to capture the moments of critical incidents. When enabled, long press the video button for 3 seconds to enter pre-record mode.
Post-record Time	The post-record feature can prolong the recording time.
Realtime Video Resolution	The resolution and frame rate of remote transmitted video.
Watermark	The watermark content of photos and videos.
Date/Time	The date and time of the BWC. Auto: automatically synchronize time with PC.

Name	Description
	Manual: manually set the time.
Volume	The volume of the BWC, including button press tone, alert tone, video/audio file playing volume. The higher the level is, the greater the volume will be.
Video Storage Segment	The duration of video storage segment. During video recording, if the recording time exceeds the specified segment time, the video will be stored as multiple files. For example, the segment time is set as 5 minutes, the video recording time is 10 minutes, and then the video will stored as two files.
Language	The display language of the BWC
WLAN	When enabled, BWC can use WLAN.
WLAN Address	The WLAN address of the BWC, it is read-only.
WLAN Mode	The connection mode of the broadband wireless network
WLAN AP SSID	The WLAN SSID of BWC in WLAN AP mode.
WLAN AP Password	The WLAN password of BWC in WLAN AP mode.
WLAN Device List	The WLAN SSID and password of connectable devices in WLAN STA mode.
BT	The BT switch of the BWC.
BT Name	The BT name of BWC.
BT Address	The BT MAC address of BWC, which is read-only.
Anti-flicker	During video recording or photo taking, the recorded videos may have stripe flashing or rolling or the photo may have stripe if BWC has flicker problem. This parameter is used to set the frequency of flicker calibration.
Loop Video	When enabled, BWC automatically deletes the earliest video files to release storage.
File Replay Password	Set the password to replay files in BWC. The user can view videos, audios and photos only after entering the correct password on BWC.
File Encryption	When enabled, all media files of BWC are encrypted, including videos, photos and audios.
PTT Short Press	Set the feature triggered by short pressing PTT. This feature is valid only when BWC is not connected with multi-mode radio.

Name	Description	
	● None: no feature is triggered. ● Video Recording: press PTT to start or stop video recording.	
P1 Short Press	Set the feature triggered by short pressing P1 key	● Mark: press this key to mark or cancel marking files. ● Answer Call: press this key to quickly answer call. ● Hangup Call: when receiving a call, press this key to reject the call. During a call, press this key to end the call. ● Accept Video Upload: press this key to accept the video transmission request and transmit the live videos to the dispatch center. ● Reject Video Upload: when receiving the video transmission request, press this key to reject the request. During live video transmission, press this key to end transmission. ● Voice Recording: press this key to start or stop voice recording. ● Silent Mode: press this key enable or disable silent mode.
P1 Long Press	Set the feature triggered by long pressing P1 key	
P2 Short Press	Set the feature triggered by short pressing P2 key	
P2 Long Press	Set the feature triggered by long pressing P1 key	
Server Username	Set the user name of server.	
Server Password	Set the password of server.	
Server IP	Set the IP address of the server. The server can be used to talk or upload video, picture or voice.	
Server Port	Set the port of server.	
Server Domain	Set the domain name of the server.	
Video upon Power-on	When enabled, BWC starts video recording automatically after power-on.	
GPS	With this feature enabled,the user can turn on or off the GPS feature on the BWC. After the GPS feature is turned on, location data of the BWC will be stored locally.	

Name	Description	
A Short Press	Set the feature triggered by short pressing the A key.	● Audio Recording: Press the key to start recording, and then press the key to stop recording. ● Take Photo: Press the key to take a photo. ● Mark: Press the key to mark the recording or video. ● Flashlight: Press the key to turn the flash light on or off for photography. ● Silent Mode: Press the key to turn on silent mode. In silent mode, the BWC emits no sound when the user performs operations on it. ● Video Upload: The BWC real-time records and sends video to the control center.
B Short Press	Set the feature triggered by short pressing the A key.	
A Long Press	Set the feature triggered by long pressing the A key.	
B Long Press	Set the feature triggered by long pressing the B key.	
PTT Long Press	Set the feature triggered by long pressing PTT.	● None: no feature is triggered. ● Video Recording: long press PTT for 3 seconds to start or stop video recording.
Sleep	If no operation is set for a long time, BWC will enter the sleep state.	● Off: BWC will never enter the sleep state. ● 5min: If no operation is set for 5 min, BWC will enter the sleep state. ● 10min: If no operation is set for 10 min, BWC will enter the sleep state. ● 20min: If no operation is set for 20 min, BWC will enter the sleep state.
Server IP	Set the IP address of Smart MDM for wireless upgrade BWC.	
Server Port	Set the port of Smart MDM for wireless upgrade BWC.	
Server IP	Set the IP address of DEM for wireless upload of electronic evidence.	
Server Port	Set the port of DEM for wireless upload of electronic evidence.	
Server IP	Set the SmartEye (control center) IP address.	
Server Port	Set the SmartEye (control center) port.	
Automatic	With this feature enabled, electronic evidence stored in BWC will be automatically	

Name	Description	
Acquisition	uploaded to DEM after BWC connects to the designated WLAN.	
Video Recording	With this feature enabled, BWC is allowed to record video after it connects to the designated WLAN.	
Motionless Alarm Time	Set the Motionless Alarm Time, if the static time of BWC exceeds this time, the BWC will alarm the control center.	
SSL Encryption	With this feature enabled, the wireless channel where BWC uploads electronic evidence to DEM will be encrypted.	
Segment Interval Time	Set the length of video segment. If the recording time exceeds the specified one, the video will be divided and stored in multiple files. For example, if the segment is set to 5 minutes, a 10-minute recording will be divided and stored in two files respectively of 5 minutes.	
SOS Short Press	Set the feature triggered by short pressing the SOS key.	● Mark: press this key to mark or cancel marking files. ● Sound Recording: press this key to start or stop voice recording. ● Silent Mode: press this key enable or disable silent mode. ● Flashlight: Press the key to turn the flash light on or off for photography. ● Take Photo: Press the key to take a photo. ● Video Recording: Press the key to record video. ● Start SOS: During video recording, press this key to send sound or pictures to control center. ● Stop SOS: During video recording, press this key to stop sending sound or pictures to control center. ● Media Volume up: Press key to increase the media volume. ● Media Volume down: Press key to decrease the media volume.
SOS Long Press	Set the feature triggered by long pressing the SOS key.	

Name	Description	
Disk Switching Mode	Set the conditions for switching to disk mode after the BWC is connected to the PC.	● Auto: After being connected to the PC, the BWC automatically switches to the disk mode if it does not receive the information transmitted by the PC for 30 seconds. ● Password: After being connected to the PC, the BWC switches to the disk mode with successful password verification.
Title	Title of officer.	
Level	Level of officer.	
Reminder Interval	Set the interval that the radio prompts system upgrade. When receiving system upgrade from the Smart MDM in manual way, the radio prompts system upgrade. If the user cancels upgrade, the radio prompts again to remind the user when the interval time expires.	
Reminder Cycles	Set the cycles that the radio prompts system upgrade. When receiving system upgrade from the Smart MDM in manual way, the radio prompts system upgrade.	
Server URL	Set the IP address of the Hytalk server.	
Company ID	Set the Company ID to distinguish users from different enterprises.	
Video Pull Tone	With this feature enabled, the BWC plays a tone when the SmartEye pulls a video and when the SmartEye ends pulling the video.	
MPU Offline Tone	With this feature enabled, the BWC plays a tone when the MPU is disconnected from the SmartEye.	
Cellular Data	With this feature enabled, the BWC can use the cellular data network.	
Wireless Upload Mode	Set the wireless mode through which the BWC uploads digital evidence to the DEM. ● Wireless Mode Disabled: The BWC cannot upload digital evidence through the wireless mode. ● WLAN Only: The BWC uploads digital evidence to the DEM through the WLAN. ● Cellular Only: The BWC uploads digital evidence to the DEM through the cellular network.	

Name	Description
	WLAN & Mobile Data: The BWC uploads digital evidence to the DEM through the WLAN or cellular network.
Upload Start Time	Set the start time when the BWC uploads digital evidence to the DEM.
Upload End Time	Set the end time when the BWC stops uploading digital evidence to the DEM.
Continuous Shoot	With this feature enabled, BWC is allowed to continuous shoot.
Continuous Shoot Number	Set the number of continuous shoot.
WLAN Menu	Set whether the BWC displays the WLAN menu or not. After displaying the menu, the user can turn WLAN on or off and configure WLAN hotspot name and password.
BT Menu	Set whether the BWC displays the BT menu or not. After displaying the menu, the user can turn BT on or off.
MDM Menu	Set whether the BWC displays the MDM menu or not. After displaying the menu, the user can set the MDM IP address and port.
DEM Menu	Set whether the BWC displays the DEM menu or not. After displaying the menu, the user can set the DEM IP address, port, method of uploading digital evidence and time period for uploading digital evidence.
Pre-record and Post-record Menu	Set whether the BWC displays the Pre-record and Post-record menu or not. After displaying the menu, the user can set the pre-record time and delay time. Turning on the Pre-record or Post-record function will increase terminal power consumption.
Control Platform	Set the control platform for the BWC. - PoC: Select PoC as the control platform for the BWC. - SmartEye: Select SmartEye as the control platform for the BWC.
Hotspot Menu	Set whether the BWC displays the hotspot menu or not. After displaying the menu, the user can set hotspot to provide network services to other device.
Auto-Upgrade	When this feature is enabled, the BWC queries the upgrade package information and App information in the Smart MDM server on a set periodicity.
Auto-Upgrade Server Address	The auto-upgrade server address of the BWC.

Name	Description
Enforced Management	When this feature is enabled, the BWC is continuously connected to the Smart MDM server, and Smart MDM can control the BWC.
Auto-Upgrade Server Port	The auto-upgrade server port of the BWC.
High Temperature Alarm	When this feature is enabled, if the BWC battery temperature exceeds 60° , the BWC will sound an alarm.
Location Storage	When this feature is enabled, the radio stores location information locally.
Receive Position Interval (S)	Set the interval at which the radio receives and stores location information.

4.3 Edit Permission of Device Parameters

Name	Admin	User
Screen Off Time	√	√
Record Video Resolution	√	√
Photo Definition	√	√
Video Quality	√	√
Photo Quality	√	√
Pre-record Time	√	√
Post-record Time	√	√
Realtime Video Resolution	√	√
Watermark	√	×
Date/Time	√	×
Volume	√	√
Video Storage Segment	√	√
Language	√	√

Name	Admin	User
WLAN	√	×
WLAN Address	×	×
WLAN Mode	√	√
WLAN AP SSID	√	√
WLAN AP Password	√	√
WLAN Device List	√	√
BT	√	√
BT Name	√ (manage single BWC)	√
BT Address	×	×
Anti-flicker	√	√
Loop Video	√	×
File Replay Password	√	×
File Encryption	√	×
PTT Short Press	√	√
P1 Short Press	√	×
P1 Long Press	√	×
P2 Short Press	√	×
P2 Long Press	√	×
Server Username	√	×
Server Password	√	×
Server IP	√	×
Server Port	√	×
Server Domain	√	×
Video upon Power-on	√	×

Name	Admin	User
GPS	√	√
A Short Press	√	×
B Short Press	√	×
A Long Press	√	×
B Long Press	√	×
PTT Long Press	√	√
Sleep	√	√
Server IP	√	×
Server Port	√	×
Server IP	√	×
Server Port	√	×
Server IP	√	×
Server Port	√	×
Automatic Acquisition	√	×
Video Recording	√	×
Motionless Alarm Time	√	×
SSL Encryption	√	×
Segment Interval Time	√	√
SOS Short Press	√	√
SOS Long Press	√	√
Disk Switching Mode	√	×
Title	√	√
Level	√	√
Reminder Interval	√	√
Reminder Cycles	√	√

Name	Admin	User
Server URL	√	×
Company ID	√	×
Video Pull Tone	√	×
MPU Offline Tone	√	×
Cellular Data	√	×
Wireless Upload Mode	√	×
Upload Start Time	√	×
Upload End Time	√	×
Continuous Shoot	√	×
Continuous Shoot Number	√	×
WLAN Menu	√	×
BT Menu	√	×
MDM Menu	√	×
DEM Menu	√	×
Pre-record and Post-record Menu	√	×
Control Platform	√	×
Hotspot Menu	√	×
Auto-Upgrade	√	×
Auto-Upgrade Server Address	√	×
Enforced Management	√	×
Auto-Upgrade Server Port	√	×
High Temperature Alarm	√	√

Name	Admin	User
Location Storage	√	×
Receive Position Interval (S)	√	×



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