



# Wireless Keyfob

## User's Manual



# Foreword

## General

This manual introduces the functions and operations of the wireless keyfob (hereinafter referred to as "the keyfob").

## Safety Instructions

The following categorized signal words with defined meaning might appear in the manual.

Signal Words	Meaning
 <b>DANGER</b>	Indicates a high potential hazard which, if not avoided, will result in death or serious injury.
 <b>WARNING</b>	Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.
 <b>CAUTION</b>	Indicates a potential risk which, if not avoided, could result in property damage, data loss, lower performance, or unpredictable result.
 <b>TIPS</b>	Provides methods to help you solve a problem or save you time.
 <b>NOTE</b>	Provides additional information as the emphasis and supplement to the text.

## Revision History

Version	Revision Content	Release Time
V1.0.0	First release.	January 2021

## About the Manual

- The manual is for reference only. If there is inconsistency between the manual and the actual product, the actual product shall prevail.
- We are not liable for any loss caused by the operations that do not comply with the manual.
- The manual would be updated according to the latest laws and regulations of related regions. For detailed information, see the paper manual, CD-ROM, QR code or our official website. If there is inconsistency between paper manual and the electronic version, the electronic version shall prevail.
- All the designs and software are subject to change without prior written notice. The product updates might cause some differences between the actual product and the manual. Please contact the customer service for the latest program and supplementary documentation.
- There still might be deviation in technical data, functions and operations description, or errors in print. If there is any doubt or dispute, please refer to our final explanation.
- Upgrade the reader software or try other mainstream reader software if the manual (in PDF format) cannot be opened.
- All trademarks, registered trademarks and the company names in the manual are the properties

of their respective owners.

- Please visit our website, contact the supplier or customer service if there is any problem occurred when using the device.
- If there is any uncertainty or controversy, please refer to our final explanation.

# Important Safeguards and Warnings

The following description is the correct application of the device. Please read the manual carefully before use to prevent danger and property loss. Strictly conform to the manual during application and keep it properly after reading.

## Operating Requirements

- Do not place and install the device in an area exposed to direct sunlight or near heat generating device.
- Do not install the device in a humid, dusty or fuliginous area.
- Keep its horizontal installation, or install it at stable places, and prevent it from falling.
- Do not drip or splash liquids onto the device; do not put on the device anything filled with liquids to prevent liquids from flowing into the device.
- Install the device at well-ventilated places; do not block its ventilation opening.
- Use the device only within rated input and output range.
- Do not dismantle the device arbitrarily.
- Transport, use and store the device within allowed humidity and temperature range.
- Do not place the hub in the places close to radio interference sources, such as metal objects.

## Power Requirement

- Use batteries according to requirements; otherwise, it might result in fire, explosion or burning of batteries.
- To replace batteries, use the same type of batteries.
- Use electric wires (power wires) recommended by this area, which shall be used within its rated specification.
- Use standard power adapter matched with this device. Otherwise, the user must undertake resulting personnel injuries or device damages.
- Use power supply that meets SELV (safety extra low voltage) requirements, and supply power with rated voltage that conforms to Limited Power Source in IEC60950-1. For specific power supply requirements, refer to device labels.
- Products with category I structure shall be connected to grid power output socket, which is equipped with protective grounding.
- Appliance coupler is a disconnecting device. During normal use, please keep an angle that facilitates operation.
- Use the accessories regulated by the manufacturer. The device must be installed and maintained by professionals.

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# 1 Introduction

Wireless keyfob is a miniature remote that connects to the hub and controls the alarm system in your home. It works by sending wireless communication signals to the alarm system, which will recognize the signal and then perform the function that is assigned to the area.

## 2 Checklist

Check the package according to the following checklist. If you find device damage or any loss, contact the after-sales service.

Figure 2-1 Checklist

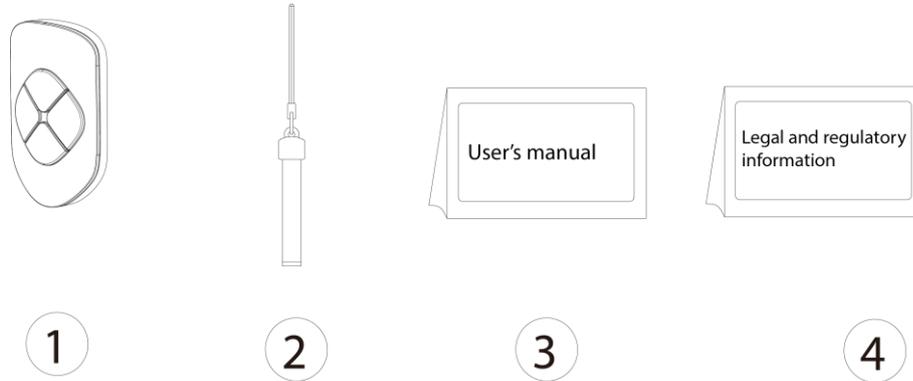


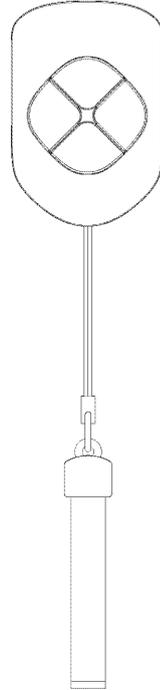
Table 2-1 Checklist

No.	Item Name	Quantity
1	Wireless keyfob	1
2	String	1
3	User's manual	1
4	Legal and regulatory information	1

## 3 Design

### 3.1 Appearance

Figure 3-1 Appearance



### 3.2 Function Button

Figure 3-2 Function button

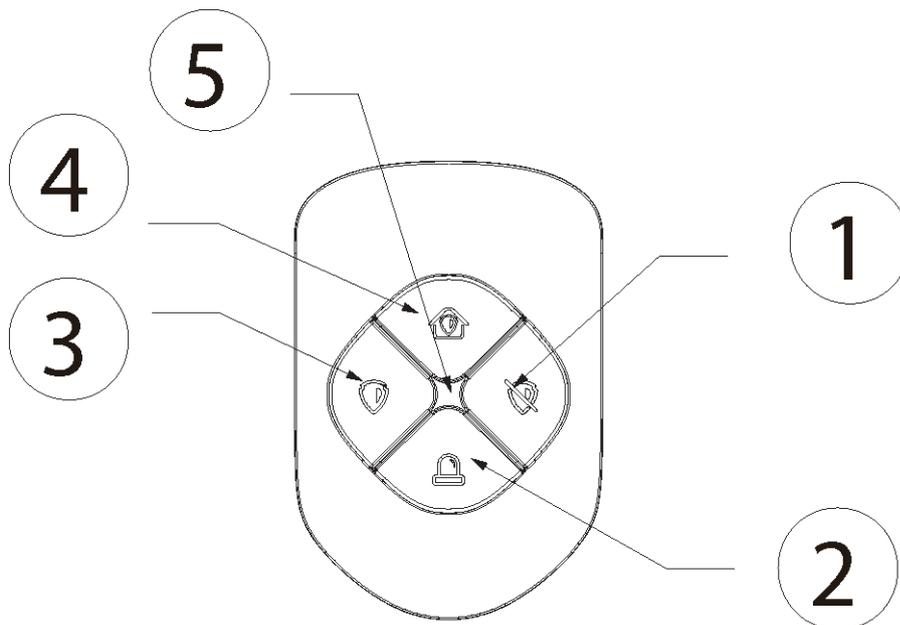


Table 3-1 Description of function button

No.	Name	Description
1	Disarming button	Press the button once to disarm the system.
2	SOS	Press the panic button, and then the keyfob will send alarm signal to the alarm system.
3	Arming button	Press the button once to arm the system.
4	Home mode	Press the home mode, and then the selected accessories will be armed.
5	Indicator	<ul style="list-style-type: none"><li>• Flashes green quickly: Pairing mode.</li><li>• Solid green: Normal.</li><li>• Solid red: The keyfob is offline.</li><li>• Flashes green first, and then turns to red: Connection with the hub failed.</li></ul>

## 4 Connecting to the Hub

Prior to connection with the hub, install the DMSS App on your phone. Make sure that you have installed the latest version of the App. Interfaces and functions might vary with different added devices, and the actual interface shall prevail. This manual takes iOS as an example.



- Make sure that you have already created an account, and added hub to the application.
- Make sure that the hub has stable internet connection.
- Make sure that the hub is disarmed.

Step 1 Go to the hub interface, and then tap  to add the keyfob.

Step 2 Tap  to scan the QR code at the bottom of the keyfob, and then tap **Next**.

Step 3 Tap **Next** after the keyfob has been found.

Step 4 Follow on-screen instructions and press  and  once at the same time, and then tap **Next**.

Step 5 Wait for the pairing.

Step 6 Customize the name of the keyfob, and then tap **Completed**.

## 5 Keyfob Configuration

You can view and edit general information of the keyfob.

### 5.1 Configuring the Keyfob

On the **Hub** interface, select the keyfob as needed from the accessory list, and then you can configure the parameters of the keyfob.

Table 5-1 Keyfob parameter description

Parameter	Description
Device Configuration	<ul style="list-style-type: none"> <li>View device name, type, SN and device model.</li> <li>Edit device name, and then tap <b>Save</b> to save configuration.</li> </ul>
Area	<ul style="list-style-type: none"> <li>View the existing area.</li> <li>Add the area that you want to arm, and then tap <b>Save</b> to save configuration.</li> </ul>
Control Permissions	Select the area over which the keyfob has control permissions.
SOS Alarm	If enabled, the SOS alarm messages will be pushed when an alarm event is detected.
Alarm-speaker Linkage	When an alarm is triggered, the accessories will report the alarm events to the hub and alert with siren.
Alarm-video Linkage	When an alarm is triggered, the accessories will report the alarm events to the hub and then will be linked with videos.
Video Channel	Select the video channel as needed.
Cloud Update	Update online.
Delete	Delete the online accessory.  Go to the <b>Hub</b> interface, select the accessory from the list, and then swipe left to delete it.

### 5.2 Viewing Status of the Keyfob

On the **Hub** interface, select the keyfob as needed from the accessory list, and then tap  to view the status of the keyfob.

Table 5-2 Status

Parameter	Description
Battery Level	The battery level of the keyfob. <ul style="list-style-type: none"><li data-bbox="756 331 1007 367">● : Fully charged.</li><li data-bbox="756 383 959 418">● : Sufficient.</li><li data-bbox="756 434 963 470">● : Moderate.</li><li data-bbox="756 486 979 521">● : Insufficient.</li></ul>
SOS Status	The status of the SOS alarm.
Program Version	The program version of the keyfob.

## 6 Using the Keyfob

Maximum connection distance between the keyfob and the hub is 1,500 meters. This distance is reduced by walls, inserted floors and any objects hindering the signal transmission.

After the accessories have been added on the hub, you can operate on the keyfob.

- Press  and  once at the same time to connect with the hub.
- Press  once to enable the away mode, and then all the accessories in the area will be armed.



Press  twice if the **System Integrity Check** is enabled in the hub.

- Press  once to enable the home mode, and then the selected accessories in the area will be armed.
- Press  once to enable the disarm mode, and then all the accessories in the area will be disarmed.
- Press  once to enable SOS.

# Appendix 1 Cybersecurity Recommendations

Cybersecurity is more than just a buzzword: it's something that pertains to every device that is connected to the internet. IP video surveillance is not immune to cyber risks, but taking basic steps toward protecting and strengthening networks and networked appliances will make them less susceptible to attacks. Below are some tips and recommendations on how to create a more secured security system.

## **Mandatory actions to be taken for basic device network security:**

### **1. Use Strong Passwords**

Please refer to the following suggestions to set passwords:

- The length should not be less than 8 characters;
- Include at least two types of characters; character types include upper and lower case letters, numbers and symbols;
- Do not contain the account name or the account name in reverse order;
- Do not use continuous characters, such as 123, abc, etc.;
- Do not use overlapped characters, such as 111, aaa, etc.;

### **2. Update Firmware and Client Software in Time**

- According to the standard procedure in Tech-industry, we recommend to keep your device (such as NVR, DVR, IP camera, etc.) firmware up-to-date to ensure the system is equipped with the latest security patches and fixes. When the device is connected to the public network, it is recommended to enable the "auto-check for updates" function to obtain timely information of firmware updates released by the manufacturer.
- We suggest that you download and use the latest version of client software.

## **"Nice to have" recommendations to improve your device network security:**

### **1. Physical Protection**

We suggest that you perform physical protection to device, especially storage devices. For example, place the device in a special computer room and cabinet, and implement well-done access control permission and key management to prevent unauthorized personnel from carrying out physical contacts such as damaging hardware, unauthorized connection of removable device (such as USB flash disk, serial port), etc.

### **2. Change Passwords Regularly**

We suggest that you change passwords regularly to reduce the risk of being guessed or cracked.

### **3. Set and Update Passwords Reset Information Timely**

The device supports password reset function. Please set up related information for password reset in time, including the end user's mailbox and password protection questions. If the information changes, please modify it in time. When setting password protection questions, it is suggested not to use those that can be easily guessed.

### **4. Enable Account Lock**

The account lock feature is enabled by default, and we recommend you to keep it on to guarantee the account security. If an attacker attempts to log in with the wrong password several times, the corresponding account and the source IP address will be locked.

### **5. Change Default HTTP and Other Service Ports**

We suggest you to change default HTTP and other service ports into any set of numbers between 1024~65535, reducing the risk of outsiders being able to guess which ports you are using.

### **6. Enable HTTPS**

We suggest you to enable HTTPS, so that you visit Web service through a secure communication channel.

### **7. MAC Address Binding**

We recommend you to bind the IP and MAC address of the gateway to the device, thus reducing the risk of ARP spoofing.

### **8. Assign Accounts and Privileges Reasonably**

According to business and management requirements, reasonably add users and assign a minimum set of permissions to them.

#### **9. Disable Unnecessary Services and Choose Secure Modes**

If not needed, it is recommended to turn off some services such as SNMP, SMTP, UPnP, etc., to reduce risks.

If necessary, it is highly recommended that you use safe modes, including but not limited to the following services:

- SNMP: Choose SNMP v3, and set up strong encryption passwords and authentication passwords.
- SMTP: Choose TLS to access mailbox server.
- FTP: Choose SFTP, and set up strong passwords.
- AP hotspot: Choose WPA2-PSK encryption mode, and set up strong passwords.

#### **10. Audio and Video Encrypted Transmission**

If your audio and video data contents are very important or sensitive, we recommend that you use encrypted transmission function, to reduce the risk of audio and video data being stolen during transmission.

Reminder: encrypted transmission will cause some loss in transmission efficiency.

#### **11. Secure Auditing**

- Check online users: we suggest that you check online users regularly to see if the device is logged in without authorization.
- Check device log: By viewing the logs, you can know the IP addresses that were used to log in to your devices and their key operations.

#### **12. Network Log**

Due to the limited storage capacity of the device, the stored log is limited. If you need to save the log for a long time, it is recommended that you enable the network log function to ensure that the critical logs are synchronized to the network log server for tracing.

#### **13. Construct a Safe Network Environment**

In order to better ensure the safety of device and reduce potential cyber risks, we recommend:

- Disable the port mapping function of the router to avoid direct access to the intranet devices from external network.
- The network should be partitioned and isolated according to the actual network needs. If there are no communication requirements between two sub networks, it is suggested to use VLAN, network GAP and other technologies to partition the network, so as to achieve the network isolation effect.
- Establish the 802.1x access authentication system to reduce the risk of unauthorized access to private networks.
- Enable IP/MAC address filtering function to limit the range of hosts allowed to access the device.

ENABLING A SAFER SOCIETY AND SMARTER LIVING

ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD.

Address: No.1199 Bin'an Road, Binjiang District, Hangzhou, P. R. China | Website: [www.dahuasecurity.com](http://www.dahuasecurity.com) | Postcode: 310053

Email: [overseas@dahuatech.com](mailto:overseas@dahuatech.com) | Fax: +86-571-87688815 | Tel: +86-571-87688883