OV-300

WiFi Alarm System

User Manual

Foreword

Thank you for purchasing the OV-300 alarm system. Please unpack the product, familiarize yourself with the component parts, and carefully read through the instruction guide before installation.
The installation must be completed in the order shown in the guide to ensure a successful installation.

Disclaimer

All statements, technical information and recommendations in this manual are believed to be reliable, but the accuracy and completeness thereof are not guaranteed or warranted.

The specifications and information regarding the products as shown in this document is subject to change without notice.

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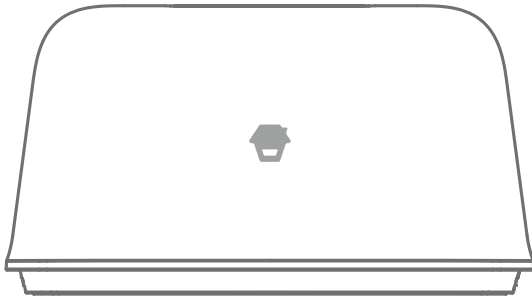
In no event are we liable for any indirect, special, incidental, or consequential damages, including, without limitation, lost profits or loss or damage to data arising out of the use or inability to use this document.
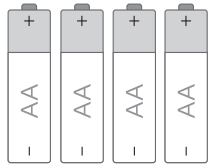
Contents
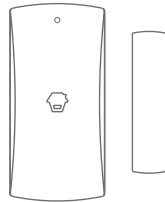
Packing List

1x Smart Hub

Battery of the Hub*4

AA AA AA AA

1x DWC-102 Door/ Window Contact

1x RC-80 Remote Control

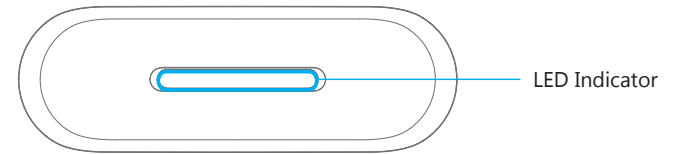## 1x Power Adapter

1x Pin

Hub

All Sensors are wirelessly linked to the Hub.

In the event of alarm activation, for example, when a Sensor is triggered, a push notification will automatically be sent to you and other pre-authorized users.
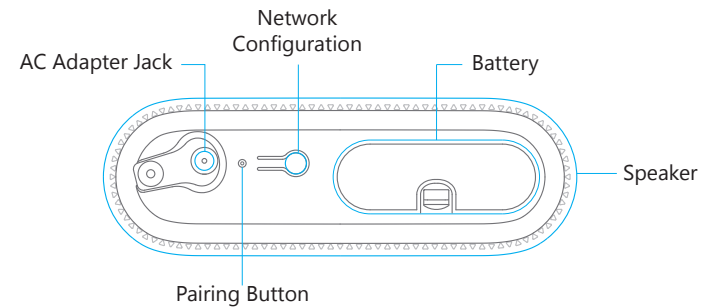
The system can be controlled and monitored both on-site using the remote control supplied and remotely with the DreamCatcher Life app on the App Store and Google Play.

The system can easily be expanded to include up to 50 wireless sensors and 10 remote controls.
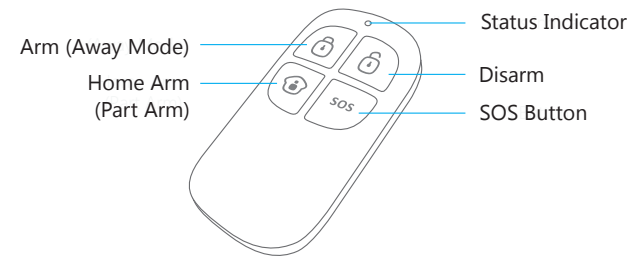
Top View

LED Indicator

Bottom View

Network Configuration

AC Adapter Jack

Battery

Speaker

Pairing Button

LED Indication

Alternating red and blue	Network configuration mode
Alternating red, blue and green	The hub is pairing with an accessory
Flashing once per second	Searching for a network or disconnected from router
Off	The power adapter is not plugged in
Red	System is Armed
Blue	System is in Home Mode (Part Arm)
Green	System is Disarmed
Rapid flashing red	Alarm condition
Flashing once per 3 seconds	Low battery
Flashing yellow	Firmware update

Note: The Hub must be plugged in to the Power Adapter in order to maintain the WiFi connection.
When AC power is lost, , the speaker will beep for 30 seconds and the Hub will stay online for 2 minutes; long enough to send out push notifications to users alerting them of the power disconnection.

Remote Control

The remote control can be used to Arm (Away Mode), Home Arm, and Disarm the system. It can also be used to trigger an emergency alarm (SOS) manually.

Arm (Away Mode)
Home Arm (Part Arm)
Status Indicator
Disarm
SOS Button

Button	System Status
🔒	Sets the system to Arm (Away mode). Set to this mode when the property is unoccupied.
🔓	Sets the system to Disarm mode. No sensors will trigger the alarm. Note: When system is set to 'Disarm', all fire, smoke, and gas leakage sensors (purchased separately) will remain active as they are factory set to 24-Hour Zone
🏠	Sets the system to Home mode. Sensors that are set to the Home Zone will not be Armed while all the others will be Armed. This mode allows a select set of sensors (Sensor in Arm Zone and 24-Hour Zone, for example, door/window contacts) to be Armed, allowing the occupier freedom of movement within the property.
SOS	The SOS Button will trigger the alarm and send an alert notification to registered users regardless of the hub mode.
🏠 + 🔒	Press the [🏠] button. After the indicator on the remote control blinks once, press [🔒] button within 3 seconds to mutely arm the system.
🏠 + 🔓	Press the [🏠] button. After the indicator on the Remote Control blinks once, press [🔓] button within 3 seconds to mutely disarm the system.

Door/ Window Contact

Door/window contacts are set to 'Armed' zone by default and are ideal for protecting entry/exit points such as front doors, back doors, and windows. When the system is Armed (Away Mode) and the door/window contact is triggered (magnet separated from the transmitter), the hub internal siren will sound immediately and send a push notification with the sensor name to its registered users.

Triggers when > 1cm

LED blinks once
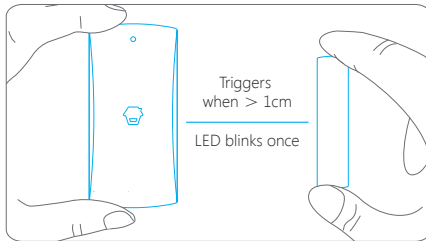
Tamper Switch
The tamper switch (small black button underneath the back cover) will activate the alarm if an unauthorized attempt is made to remove the contact from its installed location.

Low Battery Indication
If the LED indicator flashes once per 3 seconds, the battery must be replaced.

Getting Started

Step One: Download the App

Download the app from the App Store or Google Play by searching the keywords "DreamCatcher Life".
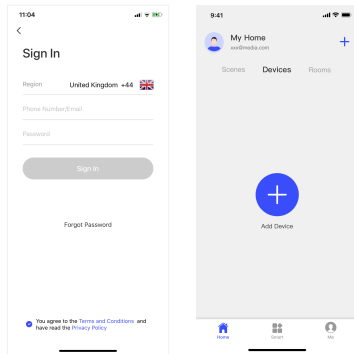
DreamCatcher Life

Step Two: Register/ Log In

Press the "Register" button on the page and follow the instructions to create your account first.
Once you have an account, log in to add a hub to your account.
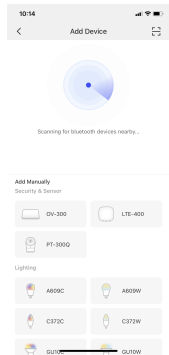
Sign In

Sign Up

## Step Three: Connect the Hub to Your Router

Tap [+] in the home page, choose the device.

Follow the app instructions to connect the device to your home Wi-Fi network.


AP Mode: Press and hold the configuration button for 3 seconds. The hub will then beep once. When the red and blue indicators flash alternately, tap "Confirm" to enter the Wi-Fi password for the connected network. Then, connect to "OV-300 Alarm" on the Wi-Fi list from your mobile device. Once connected, return to the app and wait for the connecting process to complete.
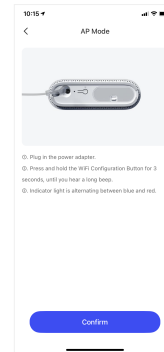
Important: The Hub does not support 5GHz band WiFi. If a dual-band (5GHz and 2.4GHz) router is used, make sure to connect to the 2.4GHz WiFi instead of the 5GHz's. Make sure your smart phone is connected to the local WiFi network and then follow the steps in the app to connect the hub to the router.

Main Page
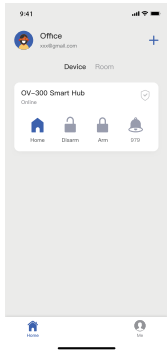
Devices: There are four shortcut actions right below the hub online status: home arm, disarm, arm and SOS.

Rooms: If you have created rooms for your home, rooms will be listed here. Check for more information on [Me]-[Home Management]-[My Home]-[Room Management]. You can assign the hub to the room you'd like (for example Living Room), then the hub will be shown under [Rooms]-[Living Room] as well.

Devices Shared with Me: You can check all the devices shared by other accounts to you here, and tap on [≡] to rename the device.

APP Control and Settings
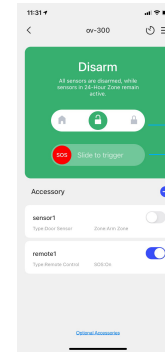
History & Setting

System Status: Home arm / Disarm / Arm

SOS Alarm

Accessory Status

System Status

Arm (Away Mode)
All sensors will detect for anomalies during this mode. The hub internal siren will sound immediately when a sensor is triggered. You and other pre-authorized users will receive push notifications on your phones.
This mode is suitable when the property is unoccupied. It can be set from the remote control or app.

Home (Part Arm)

The hub stops receiving alarm signals from all Home Zone sensors during this mode. This allows you and your family to move freely inside your home without triggering an unwanted alarm.

> **Note:** The door/window sensor in this kit has been set to Arm zone by default, you can change its zone mode on the "Accessory" section of the App.
> This mode is recommended for when someone is at home. It can be set from the remote control or app.

Disarm
All sensors will not be activated except 24-Hour Zone sensors. All 24-Hour Zone sensors will trigger the alarm regardless of system status.

Add New Accessories to the Hub

Remote control, Door sensor and other accessories.
Enter the Smart Hub page and tap. Then, tap "+" and trigger the accessory to add it to the hub.

Press any button on the remote control

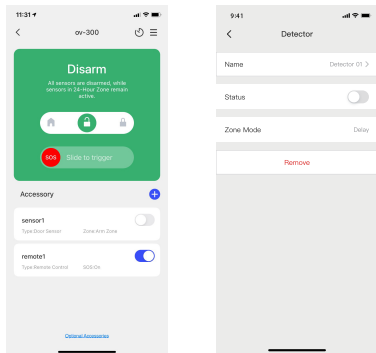Separate the transmitter from the magnet
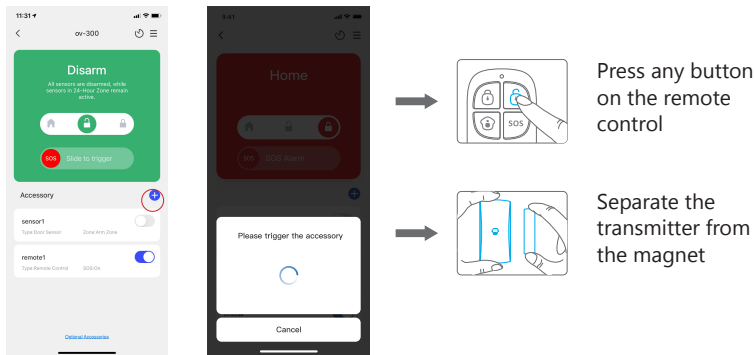
Please note that pressing the tamper switch instead of triggering the sensor will register it as a 24-Hour Zone sensor.

Edit Accessories

Tap the accessory to enter its setting page where you can rename the device or set the device type and zone mode.
Turn off the switch to disable the accessory.

Zone Mode

Arm Zone

Sensors set to Armed Zone are activated when the system is in Away (Full Arm) or Home Arm (Part Arm) status. We recommend setting window/door sensors to this zone as they usually secure the perimeter of the house.

Home Zone

Sensors set to Home Zone are only activated when the system is in Away (Full Arm) status. During Home Arm mode, these sensors can not activate the alarm on triggered. We recommend setting PIR motion sensors to this zone as they usually secure the interior of the house.

24-Hour Zone

Sensors set to 24-Hour Zone will activate the alarm when triggered, regardless of the alarm status at the time (away or disarmed).

Delay Zone

Sensors set to Delay Zone will work similarly to Armed Zone sensors. However, these sensors will only activate the alarm after a set alarm delay time* when triggered.
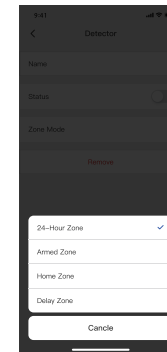
* Entry Delay Time: you can set this delay time on OV-300 [Settings]-[Delay Settings]-[Entry Delay].

Note: Optional Smoke, Gas Leakage or Water Flood Sensors are automatically registered as 24-Hour Zone Sensors and cannot be changed to other Zone. Any Motion or Door/ Window Sensor paired to the Hub by pressing the Tamper Switch will also register as a 24-Hour Zone sensor.

Settings

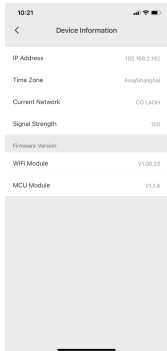Tap [☰] button to enter into hub setting page.

Device Name

This setting enables you to rename your hub, and the new name will be shown on the Main Page.
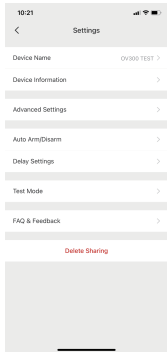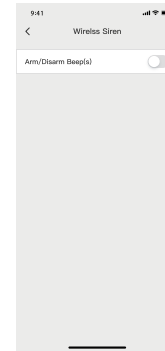

Device Information

Check detailed information of the hub and update firmware if needed.


Wireless Outdoor Siren

When connecting an Outdoor Siren (optional accessory) to the Hub, you can enable the arm/disarm alert sound of the siren on the app.

Timed Arm/Disarm

The system can be programmed to automatically Arm and Disarm the system at predefined times by following the steps below:

1. Enable a timer to add a scheduled action.

2. Choose any mode you want the system to become (Away / Disarm / Home).

3. Choose the activate time of the status.

4. Select the date that you want this timer to repeat
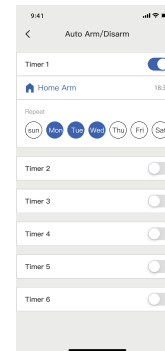
Delay Settings

Exit Delay Time

The hub will enter Arm state after the preset time. Set a time delay for you to leave your property without triggering an alarm. You can choose to switch on the delay alert sound.

Entry Delay Time (Available only for Delay Zone Sensor)

The hub will enter Alarm state after the preset time. Set a time delay for you to enter your property without triggering an alarm. You can choose to switch on the delay alert sound.
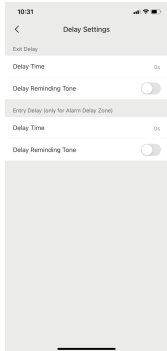

Test Mode

Under test mode, if you trigger any sensors, the system will not sound the alarm but give out 3 beeps. You can quit this mode once you finish the testing.
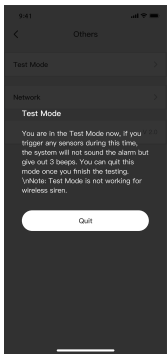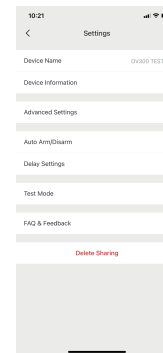

Advanced Settings

Here you can find general settings of the hub, like enabling arm/disarm notification/ sounds, adjusting internal siren's volume, alarm duration, switching on interference detection and changing Wi-Fi network of the hub.
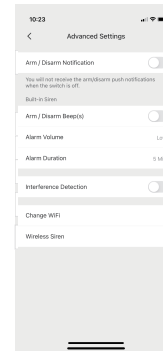

Delete Device

Here you can delete this hub, all its sharing settings will be deleted at the same time.

History

Operations and alerts can be reviewed from this history page. Tap on the [🕐] to access the history page. You can tap on the [🗓] at the top left corner and select a specific day to search for an alert.

Only the most recent 300 alerts will be shown. New alerts will overwrite the oldest ones.
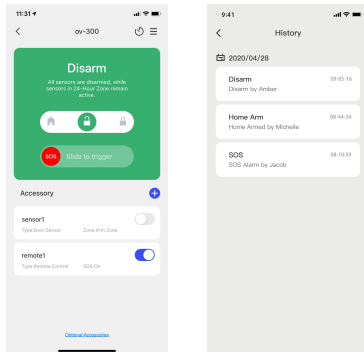
Account Management

Tap the portrait on the main page to enter the account management, where you can change your profile photo, add nickname and check your account and security related items like changing sign-in password and delete your account.
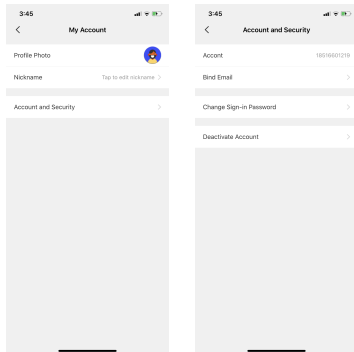
Home Management

You can check all your created home(s) and the home(s) that shared with you by other accounts. Tap [Me] on the main page and tap [Home Management] to add home name, home location, add room(s) to your home and add member to your home.

Add unregistered user by sending an email through the app to join your home.
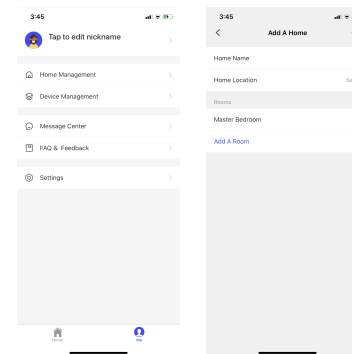
There are two memberships of users.

Administer (Full Access)

The accounts who are set as administer only cannot delete and transfer the home.
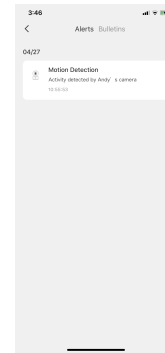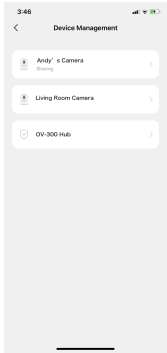
User (Read Only)

The accounts who are set as user can control the device, edit the name of the device(s) and receive alerts for motion detection; re-sharing the device(s) to other users or changing the settings are not permitted.

Device Management

You can check all your own devices in this section and share your own device(s) to others without adding them to your home. Tap the device then tap [+] to share it to other registered accounts. You can also delete the shared account if you don't want people to have continuous access to the device you shared.

The account who receives the shared device(s) is of user access of the device. That is, he/she is able to control the device, edit the name of the device and receive alerts; re-sharing the device(s) to other users or changing the settings are not permitted.
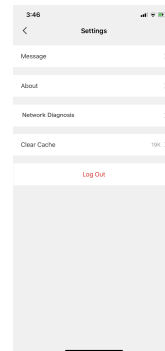

Message Center

Alerts
Here you can check hub's arm/disarm and triggered events.

Bulletins
Here you can check all system notifications, like firmware update, remote/different smart phone login alert or device sharing invitation etc.

FAQ & Feedback

Tap to find questions and answers to the products and application. Feel free to send us feedback on the product or the service.

Settings

App Notification

You can enable app notifications. App notification includes alert and bulletin information. App notification includes alert and bulletin information, you can enable push notification all together or of individual devices.

Installation

Hub

A weak WiFi signal can seriously affect the performance of this alarm system. Please make sure that the hub is located as close as possible to the main router for optimal connectivity.

Please place this unit away from load-bearing walls and operating home appliances

Elevate this unit and your modem or router away from the ground to ensure the best possible connectivity.
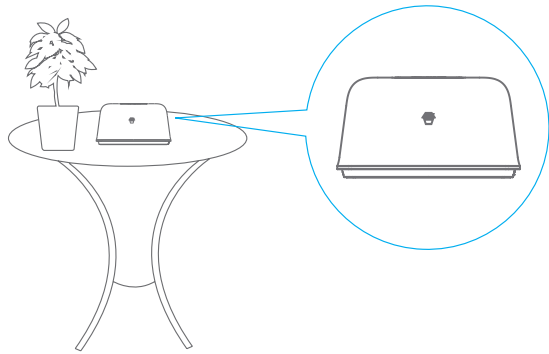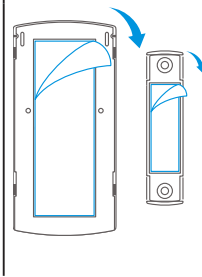
Door/ Window Contact :

Step 1: To power up the contact, remove the battery tab

Step 2: Attach the adhesive pads to the back of the transmitter and magnet

Step 3: Place the contact on the door/window frame and the magnet on the door/window ensuring that the distance between them is not greater than 1cm when the door/window is shut.

Horizontal orientation

Vertical orientation

Parallel to the wall

<1cm
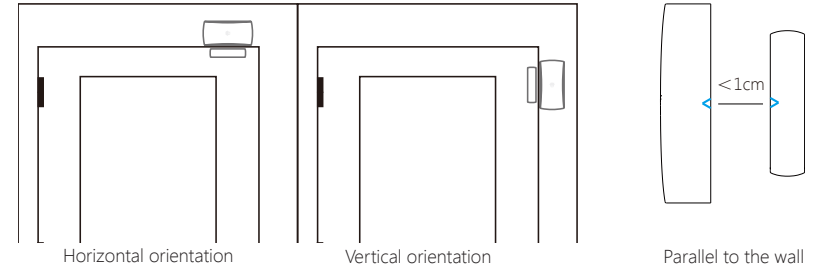
Replacing Accessory Batteries

Remote Control

Remove the screw

Open the casing

Door/Window Contact

Open the casing

Restoring to Factory Settings

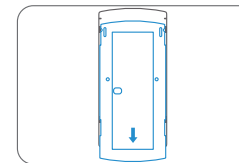Press the Network Configuration button underneath the hub for 10 seconds, hearing one beep at the third second then a long beep at the tenth second, which indicate the operation is complete. Release the button and the hub will automatically restart afterwards.

> Note: Previously paired accessories will remain connected to your hub after a restore.

Specifications

Hub

Power Supply	5-12Vdc 6W
Battery	1.5V AA LR06 battery x 4
WiFi	IEEE 802.11b/g/n
Standby Current	< 56mA
Alarm Current	< 208mA
Internal Siren	90dB/1m
Optional Accessories	10 Remote Controls, 50 Sensors
Radio Frequency	433.92 MHz or 315 MHz
*Only 433.92MHz is available for Europe	
EIRP(dBm).Max	13.99
ERP(dBm).Max	-16.45
Receiver Category	Category 2 (standard performance level of receiver)
Housing Material	ABS Plastic
Operating Condition	Temperature 0°C~50°C,
	Relative Humidity <80% (non-condensing)
Control Panel Dimensions	125 x 150 x 30 mm (L x W x H)
Bracket Dimensions	87.5 x 81.5 x 12 mm (L x W x H)

Remote Control

Power Supply	DC 3V (CR2025 lithium battery x 1pc)
Transmit Current	<8 mA
Transmitting Distance	<80 m (open area/no interference)
ERP(dBm).Max	-14.81
Radio Frequency	433.92 MHz or 315 MHz
*Only 433.92MHz is available for Europe	
Housing Material	ABS Plastic
Operating Condition	Temperature 0°C~50°C,
	Relative Humidity <80% (non-condensing)
Dimensions	58 x 31 x 9.5 mm (L x W x H)

Door/ Window Contact

Power Supply	DC 3V(Lithium battery x 2pcs)
Static Current	<56 uA
Alarm Current	<82 mA
Transmitting Distance	<80 m (open area/no interference)
ERP(dBm).Max	-12.06
Radio Frequency	433.92 MHz or 315 MHz
*Only 433.92MHz is available for Europe	
Housing Material	ABS Plastic
Operating Condition	Temperature 0°C~50°C,
	Relative Humidity <80% (non-condensing)
Transmitter Dimensions	71 x 34 x 17.5 mm (L x W x H)
Magnet Dimensions	51 x 12 x 13.5 mm (L x W x H)