



Alarm kit for the Deaf & Hard of Hearing

User's Manual



1.Important Safeguards and Warnings

This manual will help you to use the device properly. Read the manual carefully before using the device, and retain it well for future reference.

Operation Requirements



WARNING

- Never ignore any alarm. Failure to respond may lead to serious injury or death.
The alarm will activate after connecting to the adapter or switching to the backup battery.



CAUTION

- Make sure that the power supply of the device works properly before use.
- Use the device according to the operating environment.
- Only use the device within the rated power range.
- Transport, use and store the device under allowed humidity and temperature conditions.
- Prevent liquids from splashing or dripping on the device. Make sure that there are no objects filled with liquid on top of the device to avoid liquids flowing into it.

Installation Requirements



WARNING

- The Alarm **MUST NOT** be powered from a light dimmer circuit.
- The Alarm **MUST NOT** be connected when the house wiring insulation is being checked with high voltages. i.e. Do not use a high voltage insulation tester on the Alarm.
- Failure to properly install and operate this device will prevent proper operation of the device and will prevent its response to fire and toxic gas hazards.
- Before installation and removal, disconnect the Mains power supply.
- Strictly comply with the local electrical safety code and standards, and check whether the power supply is correct before operating the device.
- Do not connect the device to two or more kinds of power supplies, unless otherwise specified, to avoid damage to the device.
- To prevent injury, please install this device according to the installation method provided in this manual.



CAUTION

- Do not expose the device to direct sunlight or heat sources.
- Keep the original packing material well because you might need it to pack the device and send it back for repair.
- Make sure the application scenario conforms to installation requirements. Contact your local retailer or customer service center if there is any problem.

- All installation and operations shall conform to your local electrical safety requirements, fire protection regulations, and other relevant regulations.
- The alarm doesn't need to be earthed. The device is a class II electrical appliance.

Maintenance Requirements

- Do not clean the device with any cleaning products.
- Do not paint the device. Paint will interfere with the device's ability to detect fire.

2.Introduction

2.1 Product information

Alarm kit for the Deaf & Hard of Hearing can interconnect with Wisualarm Smoke/Heat/CO/Gas detector. When there is a toxic gas leak in the environment or a fire alarm, in addition to the sound and light alarm from the detector itself, the strobe light and the vibration pad are also triggered to alert those who may not hear the audible alarm. The strobe light provides a visual warning, and the vibration pad is usually placed under a pillow or seat cushion to alert the user when there is an alarm.

The strobe light can be used alone. If the strobe light is not connected to the vibration pad after it is powered on for the first time, the strobe light will be used alone by default. If the strobe light is connected to the vibration pad after the first power on, the two will be used together by default.

The product is suitable for schools, hotels, bedrooms, hospitals, nursing homes, etc., but not for places with serious light pollution.

2.2 Product profile

Figure 2-1 Dimensions (mm [inch])

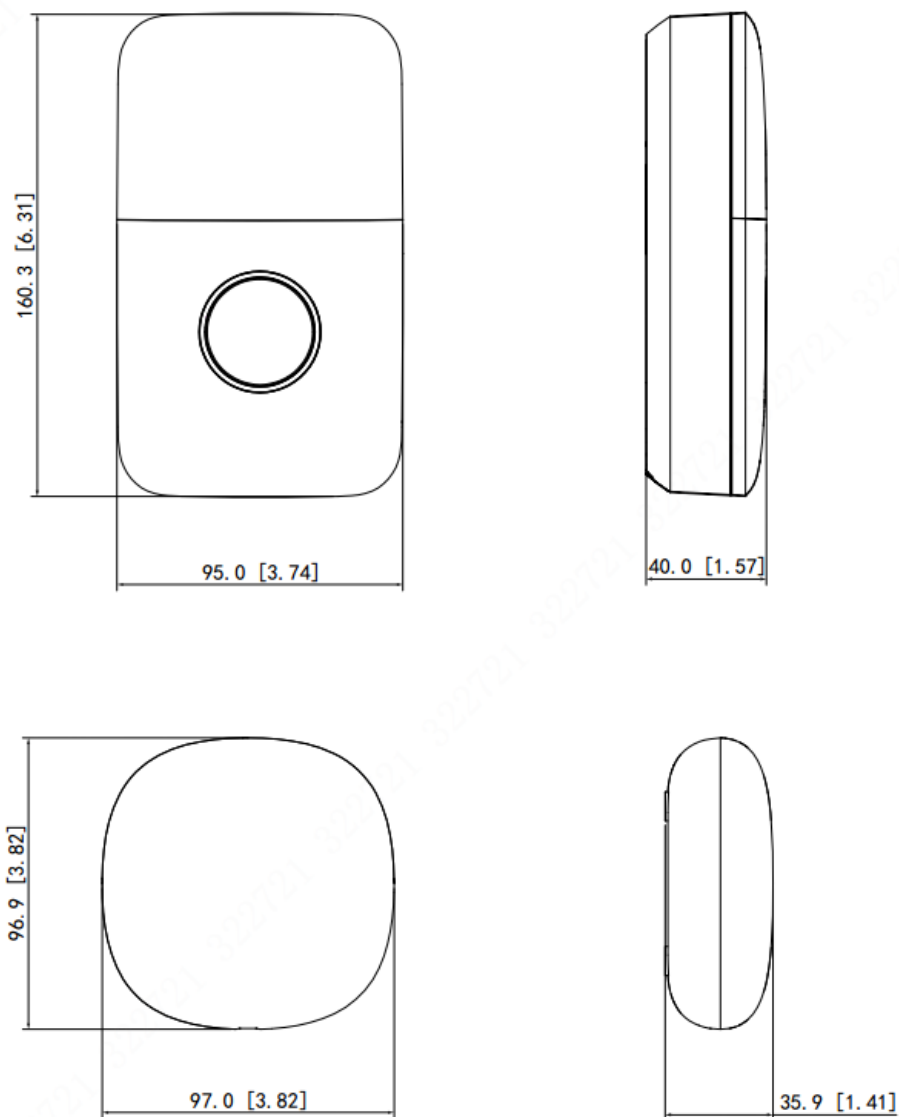
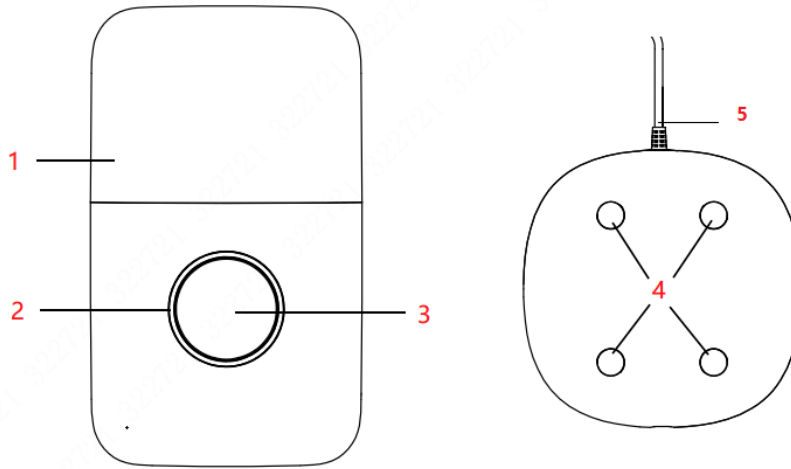
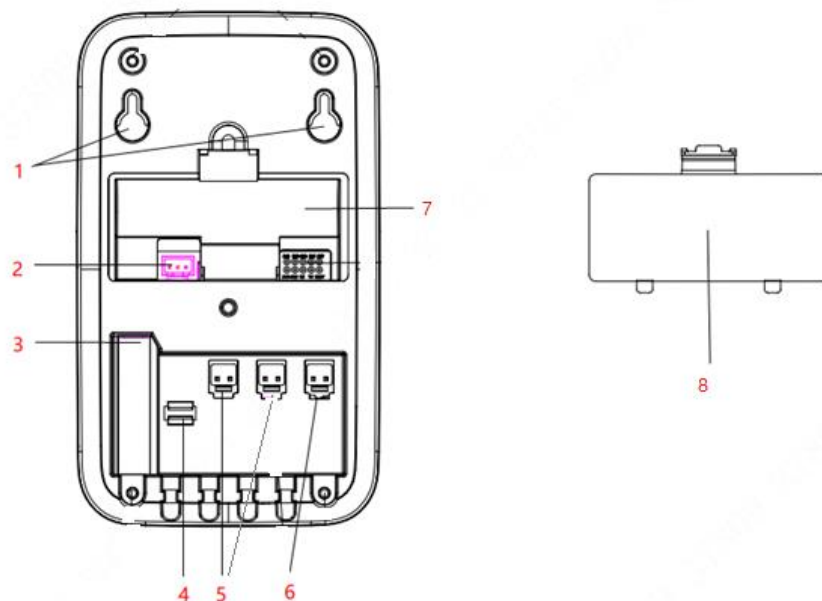


Figure 2-2 Product profile



No.	Name	Introduction
1	Strobe light	Alarm indicator
2	LED indicator	Five LEDs, display the device status
3	Test/Silence button	Press the button, test the device or silence the alarm sound of interconnected devices
4	Skidproof pad	Preventing vibration pad from sliding
5	Cable	Connection cable between the vibration pad and the strobe light

Figure 2-3 strobe light



No.	Name	Introduction
1	Screw holes	Installation screw hole position when strobe light is wall mounted

No.	Name	Introduction
2	Backup battery port	Connecting jacks for backup battery terminals
3	Main power port	Main power connector
4	Cable fixing buckle	Secure the main power cord to prevent the main power from being easily unplugged
5	Extension port	2 extension ports: ● AUX1 socket: provide up to 180mA at 12V for connecting other vibration pads ● AUX 2 socket: provide up to 20mA at 12V for connecting low-power devices
6	Vibration pad port	Connect vibration pad
7	Battery compartment	Backup battery compartment
8	Battery compartment cover	Backup battery compartment cover

3. Technical Information

Specification	Introduction
Alarm method	Light and vibration alarm
Indicator	● Red: GAS ALARM (CO and gas) ● Red: FIRE ALARM (smoke and heat) ● Yellow: FAULT ● Green: POWER ● Blue: PAIR
LED instruction	● Red ◇ When there is gas/smoke/heat alarm, the red indicator light flashes once per second ◇ While pairing with node devices, the red indicator light flashes ● Green ◇ When the mains power is working, the green indicator light is constantly on ◇ When the mains power is disconnected and the backup power is working, the green indicator light flashes once every 20 seconds ● Blue ◇ Pairing successfully with wireless alarms: Press the Test/Silence button twice to enter interconnection state. The blue indicator light flashes once per second after successfully pairing ◇ Pairing with the wireless gateway: Press the Test/Silence button three times to pair with gateway, the blue indicator light flashes once every 0.5 seconds, and flashes once per second after successful pairing ● Yellow ◇ Vibration pad connection is abnormal, the yellow indicator light flashes once per second ◇ When the mains power is disconnected and the backup power is under voltage, the yellow indicator light flashes once per minute ◇ Hardware failure: the yellow indicator light is constantly on
Power supply	● Mains power: 12 VDC, 1A ● Backup power: 3.7V 2500mAh rechargeable lithium battery
Current	● Operating current: 20mA (DC12V) ● Alarm current : 150mA (DC12V)
Warranty	5 years
Battery	3.7V 2500mAh rechargeable lithium battery
Battery life	5 years
Communication frequency	868MHz / 925MHz

Specification	Introduction
Communication distance	● 868MHz: Up to 1000 m (3280.84 ft) in open air ● 925MHz: Up to 500 m (1640.42 ft) in open air
Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Operating Humidity	≤95% RH (non condensing)
Dimensions	Strobe light: 161mm*95mm*40mm Vibration pad: 97mm*97mm*36mm
Weight (with battery)	Strobe light: 255 g (0.56 lb) Vibration pad: 185 g (0.41 lb)
Compliance Standard	CE, PSTI, RCM

4.Device Installation

4.1 Packing List

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

Table 4-1 Checklist

Name	Quantity
Strobe light	1
Vibration pad	1
Power adapter	1
Backup battery	1
Screw package	1
User's Manual	1

4.2 Installation principle

The Strobe Module should normally be fixed such that the internal strobe light can be seen from the bed, and the vibration pad can be placed under the mattress or pillow. It has to be powered from the mains (12VDC) so a suitable socket or junction box must be available to which it can be permanently connected.



- Installation must be carried out by electricians in strict compliance with relevant local regulations. Incorrect installation may expose users to hazards such as electric shock and fire, and may also cause unnecessary damage to the product.
- The alarm must be continuously powered throughout the day. Do not connect the device to a circuit that can be turned off by a switch.
- Avoid installation in new or renovated buildings until all work is completed.

4.3 Installation position



CAUTION

This device is intended for use in ordinary indoor locations of residential accommodation. Construction and layout of individual dwellings will vary, so this should be regarded as a reference only. For further guidance, please check with your local fire station.

The strobe light sends out an alarm signal by flashing, and its installation position should be obvious and free of direct light to ensure that users can detect the alarm signal in time.

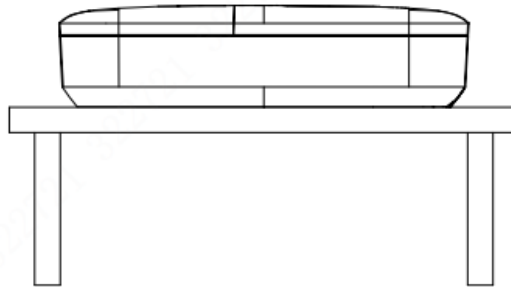
The vibration pad should be placed under the pillow or mattress. Please confirm that the person in the bed can feel the vibration. Users can press the Test/Silence button of the strobe light to test whether the vibration is enough to perceive.

The length of the cable between the strobe light and the vibration pad is 3m. To ensure the normal operation of the device, the installation position of the strobe light should ensure that the vibration pad can be placed under the user's pillow normally.

- Place on table

When it is placed on table, the strobe light should be placed on a horizontal desktop and should not be suspended to ensure that it is not easily bumped or slipped.

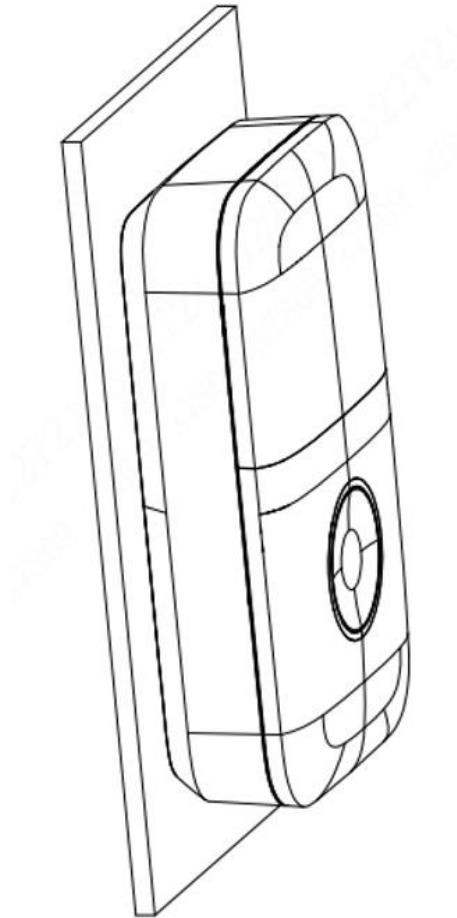
Figure 4-1 Installation position (1)



- Wall mount

When it is installed on the wall, it is necessary to ensure that the strobe light is firmly installed and does not fall off, and there is no signal interference source at the installation location.

Figure 4-2 Installation position (2)

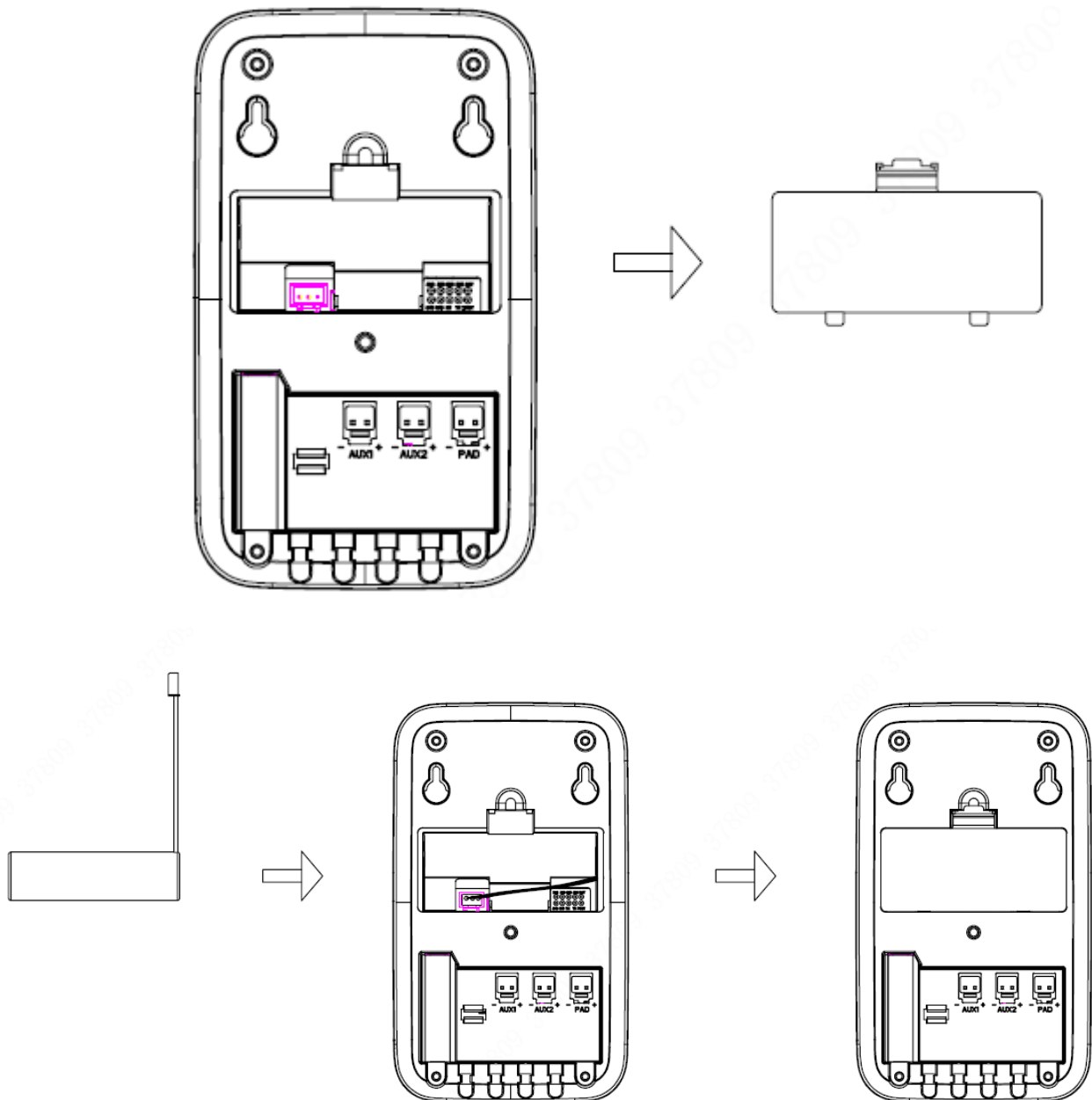


4.4 Installation steps

Follow below steps to install the device properly.

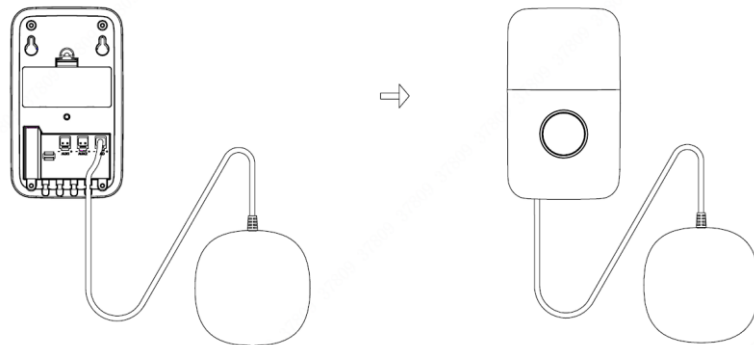
Step 1 Open the battery compartment cover, correctly connect the battery, confirm that the strobe light can work normally, and close the battery compartment cover.

Figure 4-3 Installation (1)



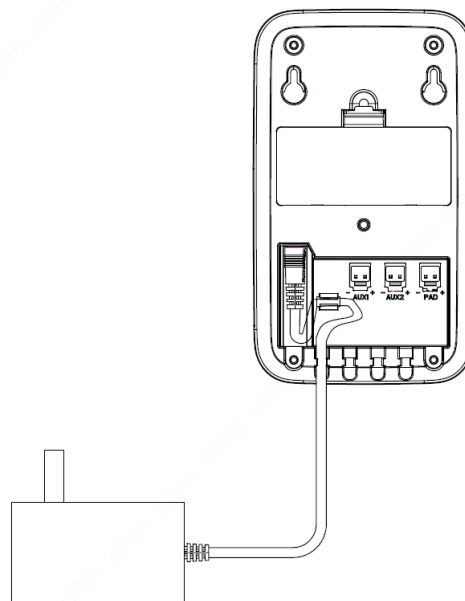
Step 2 Connect the cable between the strobe light and the vibration pad, press the button on the strobe light, and confirm that the connection between the vibration pad and the strobe light is normal.

Figure 4-4 installation (2)



Step 3 Correctly connect output of the power adapter to the power supply input of strobe light.

Figure 4-5 installation (3)



Step 4 If you choose to place on the desktop, place the strobe light face up on a suitable horizontal desktop, and follow step 6.

If you choose wall mount installation, continue with step5.

Step 5 Choose suitable place to drill holes (Φ6 mm [0.20"]) on the wall as the positioning map shows, and then align the screw holes on the wall with the expansion bolts;

Step 6 Fix the strobe light with self-tapping screws.

Connect the power adapter to the mains power, so that the strobe light is powered by the power adapter; place the vibration pad under the user's pillow.

5. Interconnection

- This Strobe Light can only be interconnected with Wisualarm wireless interconnected alarms or Wisualarm gateway to construct a hybrid system. It is not designed to communicate with wireless interlink alarms from other manufacturers.
- Once one device triggers an alarm, all interconnected devices raise the alarm in unison.

Prerequisite



WARNING

- All installation and operations shall conform to your local electrical safety requirements, fire protection regulations, and other relevant regulations.
- Avoid connecting the alarms to any other model manufactured by a different company. Such connections may cause damage to the alarms and pose risks of electric shock or fire hazards.

5.1 Interconnect with wireless alarms

5.1.1 interconnect Operations

Step 1 Press the TEST/SILENCE button on device 1 continuously 4 times (the interval between each press must be less than 1 second),  **FIRE** red indicator flashes once per second, indicating the device 1 enters the interconnecting receiving mode.



To ensure that all alarms enter the same interlink network, make sure only 1 alarm enters interconnecting mode at a time.

Step 2 Press the TEST/SILENCE button on device 2 twice (the interval between each press must be less than 1 second),  **FIRE** red LED indicator starts to flash rapidly (about once every 0.5 second), indicating the device 2 enters the interconnecting transmission mode.



If you want to connect with other devices, such as smoke/heat/CO/gas, you can also enter the interconnection transmission mode by pressing the TEST/SILENCE button twice. For specific sound and light instructions, please refer to the manual of the corresponding device)

Step 3  **PAIR** blue LED indicator of device 2 will flash continuously, which means the pairing between two devices succeed. The blue LED indicator will flash continuously until device 1 quit the interconnecting mode, or you can press the Test/Silence button on device 2 to force it enter

the normal standby state immediately.



Device 1 will be in interconnecting mode for 3 minutes with the red LED indicator flashing once per second. During this period, you can pair several wireless interconnected alarms one by one. If needed, you can manually press the TEST/SILENCE button to help device 1 to quit the interconnecting mode. All indicators flash once, indicating that the device has completely exited the connected mode and entered a normal standby state.

Once you press the button on device 1, device 2 will follow device 1 to quite the interconnecting mode and enter normal standby state.

Step 4 (Optional)Interconnect device 3

1) If device 3 is in the interconnecting receiving mode of device 1 within 3 minutes, then press the TEST/SILENCE button twice on device 3 to enter the interconnecting transmission mode. If the interconnecting receiving mode of device 1 surpasses 3 minutes, then press the TEST/SILENCE button on either of the 2 previously interconnected device 4 times to enter the interconnecting receiving mode, then press twice on device 3 to join the interconnected network.

2) If enters the interconnected network successfully,  blue LED indicator will flash continuously until device 1 quit the interconnecting mode, or you can press the TEST/SILENCE button on device 3 to force it enter the normal standby state immediately.

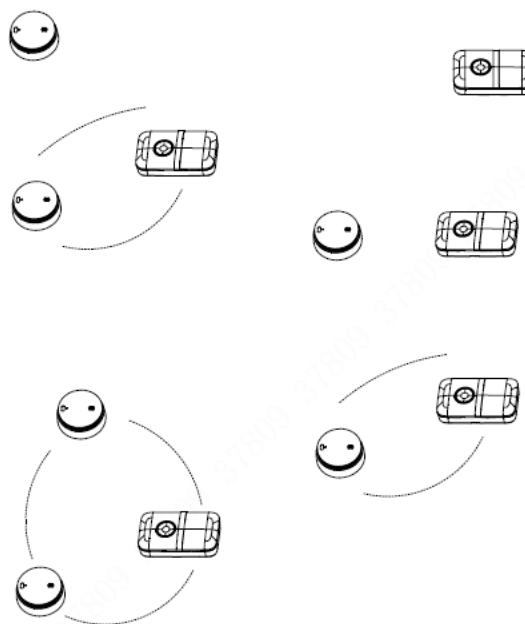
Step 5 If you want to connect more devices, please repeat Step 4.



Up to 24 wireless alarms can be interconnected this way.

Step 6 Refer to "Chapter 5 Test", test all wireless interconnected alarms before installation to ensure they are interconnected well.

Figure 5-1 Interconnection



5.1.2 Disconnect Interconnection Operations

Step 1 Continuously press the TEST/SILENCE button 4 times on the device that needs to unpair with other alarms, and the  red LED indicator starts to flash continuously.

Step 1 Press and hold the TEST/SILENCE button until all indicator lights flash once, the disconnection finished. You can connect it again to join an interlinked network.



Please disconnect all the wireless interconnected alarms if you want to use them in another interconnected network.

5.2 Pair with the wireless gateway

You can add a wireless gateway into the network which will allow you to receive updates on the network when you're away from home. The gateway will communicate with the Wisualarm App via your home's internet connection, enabling you to receive a push notification timely.

5.2.1 Prerequisites

Make sure that the wireless gateway has stable internet connection.



WARNING

Pair alarms one by one to ensure successful pairing. Otherwise, the pairing will fail or device malfunction will occur.

5.2.2 Pair to the wireless gateway Operation

Step 1 Press the pairing button on the wireless gateway 3 times. The green LED indicator flashes continuously (about twice per second), indicating that it is searching for a device to connect to.

Step 2 Press the **TEST/SILENCE** button on a Strobe Light continuously 3 times to enter the pairing mode. The blue LED indicator flashes, indicating the device enters pairing mode and is searching for a new device to be added.

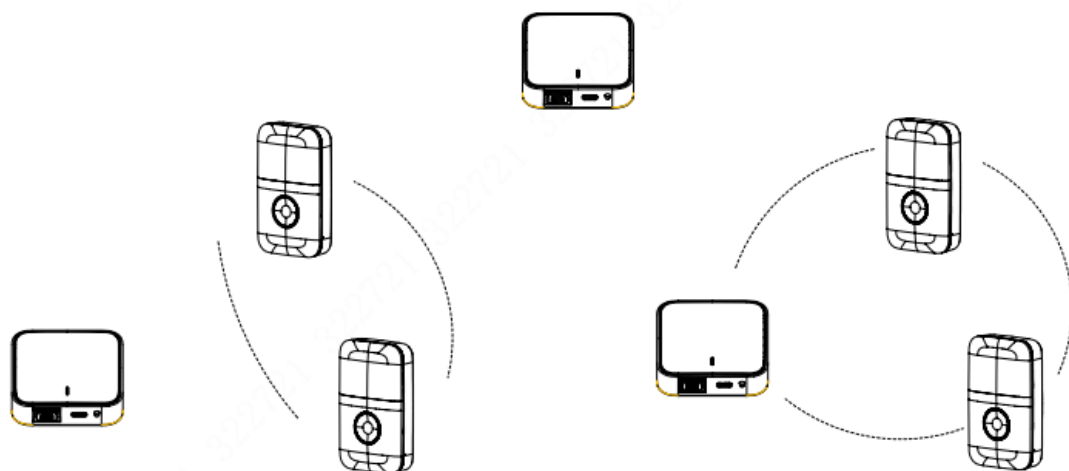
Step 3 Once the pairing is successful, the blue LED indicator of the Strobe Light flashes slowly for 3 minutes. After this, the device will be in normal monitoring mode.

Step 4 (Optional) Repeat Step 2 to pair with other interconnected alarms.



The wireless interconnected alarms will enter the pairing mode for 1 minute. If there is no response over 1 minute, the gateway will exit pairing automatically. Alternatively, you can press the Pairing button on the wireless gateway once to force it to stop pairing mode immediately.

Figure 5-2 Pairing



6. Test and Maintenance

After the installation of the device or regular maintenance, a test must be carried out to confirm that the device is operating properly.

If any device defects are detected during the testing process, please refer to the "Frequently Asked Questions" and "Maintenance" section and retest the device. If it fails to complete the test successfully, please send the device to the manufacturer for repair.

6.1 For a single alarm kit test

Alarm kit for the Deaf & Hard of Hearing cannot detect potential hazards in the environment. It can only send out an alarm signal in the form of light and vibration after receiving the alarm information from detectors such as smoke/heat/CO/GAS in the interconnected network.

Press the TEST/SILENCE button, the five LED lights and white light beads flash every two seconds for a total of three intervals. The vibration pad linked to the strobe light vibrates for 2 seconds, intermittently for 2 seconds, and vibrates again for 2 seconds.

6.2 For interconnected alarms

Check daily that the vibration pad is in its correct position under the pillow or mattress by pressing the test button on the Strobe Module. Also check daily that the green light on the Strobe Module is on constantly. We recommend that you test your system weekly by pressing all the smoke/heat/CO/GAS alarm test buttons and checking that the vibration pad and strobe light operate.

6.2.1 Test

- Press the **TEST/SILENCE** button of any detector (or strobe light) in the interconnected network to send out an alarm signal, and press and hold the button until the test is completed.
- After the strobe light receives the alarm signal, the  **FIRE** red fire alarm indicator light and the  **GAS** red gas leakage indicator light flash alternately, the white light beads flash about once per second, and the vibration pad vibrates for two seconds with an intermittent cycle of two seconds.
- Release the **TEST/SILENCE** button that triggers the alarm signal device, the alarm signal disappears, and the alarm signal of other devices also disappear.

6.2.2 Silence/Pause the alarm

Once the initiating device triggers an alarm, the device's red LED indicator flashing once per second. After several seconds, other interconnected devices receive the alarm signal with the red LED indicator flashing.

- Press **TEST/SILENCE** button on initiating interconnected device.
All interconnected devices are temporarily silenced.
- Press **TEST/SILENCE** button on any other interconnected device.
All passively triggered alarm devices will be temporarily muted, but actively triggered interconnected alarm devices will continue to sound the alarm.



The strobe light itself will not emit an alarm sound. When an alarm occurs in the interconnected network, the strobe light can only mute the alarm equipment (except the initiating device) in the ad hoc network.

6.3 Maintenance

The Wisualarm guarantees this device for five years from the date of purchase against any defects that are due to faulty materials or workmanship. This guarantee only applies to normal conditions of use and service, and does not include damage resulting from accident, neglect, misuse, unauthorized dismantling, or contamination howsoever caused. This guarantee excludes incidental and consequential damage. If this device should become defective within the guarantee period, it must be returned to the nearest address given below, carefully packaged, with the problem clearly stated along with proof of the date of purchase. We shall at our discretion repair or replace the faulty unit.

To keep your device in good working condition, please follow these requirements.

6.3.1 Maintenance of Alarm kit

Check daily that the vibration pad is in its correct position under the pillow or mattress by pressing the test button on the Strobe Module. Also check daily that the green light on the Strobe Module is on constantly (The TEST/SILENCE button of the strobe light is pressed 6 times, and the green indicator light will be turned off.).

We recommend that you test your system weekly by pressing all the smoke/heat/CO/GAS alarm test buttons and checking that the vibration pad and strobe light operate. If there is a malfunction, please repair it in time.

6.3.2 Maintenance of Rechargeable Battery

The rechargeable battery can take up to 24 hours to charge when the unit is first powered up. It is then maintained in a fully charged state by continuous trickle charge. In the event of a mains failure the battery will power the system in standby for a week and then be capable of at least 4 minutes of alarm.

If the mains power fails, the green light flashes once every 20 seconds, and the yellow light flashes once per minute on the strobe light to indicate that the backup power is in a low battery state.

The battery also needs to be replaced if it is over 5 years old. Contact the nearest address in this leaflet for advice about getting a replacement.



When the detector stops working properly, please contact your local dealer or retailer for help.

7.Frequently Asked Questions

Problem	Solutions
The Vibrating Pad does not vibrate when testing	● Check whether the vibration pad is connected normally ● Check whether the main power or backup power is connected
The Strobe is connected to the power supply but the Power (green) LED is not illuminated	Check whether the adapter is successfully connected to the power supply
The fault (amber) LED flashes once every 1 seconds continuously	After the vibration pad is connected, it is disconnected again
The Power (green) LED is illuminated, and the Fault (amber) LED is also continuously lit	Vibration pad hardware failure
The Strobe and Vibrating Pad does not respond to a smoke or CO alarm that is being tested	● Check whether the networking was successful ● Check if the test distance is too far
The yellow LED flashes once a minute	The backup battery is in a low power state. If it is currently connected to main power, check whether the backup battery is connected normally
The green LED flashes every 20 seconds	Main power not connected

8.Indicator Summary Tables & Troubleshooting

8.1 Normal operation and alarm mode

Mode	State	Action						White light beads	Vibration pad
Normal operation Alarm	Power On	Connect the battery or connect the adapter.	Flash once	Flash once	Flash once	Flash once	Flash once	-	-
	Disable/Enable green indicator	Press the TEST/SILENCE button six times	On/off	-	-	-	-	-	-
	Standby	-	Flash once every 20 seconds or constantly on	-	-	-	-	-	-
	Test	Press the TEST/SILENCE button	Flash once every two seconds, at three intervals						Vibrate every two seconds, stop for two seconds, at two intervals
	Interconnection test	Press and hold the TEST/SILENCE button	Flash once every 20 seconds or constantly on	-	Flash once every second	Flash once every second		Flash once every second	Vibrate every two seconds, stop for two seconds
	Interconnection test triggered by another alarm in interconnected network	Activated via interconnection			Flash once every second (alternatively)	Flash once every second (alternatively)		Flash once every second	Vibrate every two seconds, stop for two seconds
	Alarm triggered by another smoke/heat alarm in interconnected network	-		-	Flash once every second			Flash once every second	Vibrate every two seconds, stop for two seconds

	Alarm triggered by another CO alarm in interconnected network	-		-		Flash once every second	-	Flash once every second	Vibrate every two seconds, stop for two seconds
Interconnection	Press the TEST/SILENCE button four times	-		-	Flash once every second	-	-	-	-
	Press the TEST/SILENCE button twice	-		-	Flash twice every second	-	-	-	-
	Interconnection succeeded	-		-	-	-	Flash once every second	-	-
Pairing with gateway	Press the TEST/SILENCE button three times	-		-	-	-	Flash once every second	-	-
	Pairing succeeded	-		-	-	-	Flash twice every second	-	-

8.2 Abnormal mode

 POWER	 FAULT	 FIRE	 GAS	White light beads	 PAIR	Cause	Solution
Flash once every twenty seconds	-	-	-	-	-	Adapter disconnected	Connect adapter
-	Flash once every minute	-	-	-	-	Battery disconnected or low power	Check whether the battery is connected properly. If connected, check whether the adapter is connected
-	Flash once every second	-	-	-	-	Vibration pad disconnected	Check whether the vibration pad connection is normal
-	Constantly on	-	-	-	-	Vibration pad hardware failure	Check whether the contacts are short-circuited. If they are not short-circuited, the vibration pad is damaged
Flash once every twenty seconds	Flash once every minute	-	-	-	-	Main power is disconnected and the backup battery has low power	Connect to the main power and charge the battery



Do not disassemble the device without professional instruction.

9. Disposal



Waste electrical products should not be disposed of your other household waste. Please dispose in an environmentally friendly manner, and strictly follow the local regulations regarding the disposal or recycling of the electrical device.



WARNING

Do not burn or dispose of in fire.

10. Warranty

If you need after-sales service, please contact your local dealer or retailer.

Western EU Importer: DAHUA EUROPE B.V.

ADD: Houtsingel 19, 2719EA Zoetermeer, The Netherlands

Email address for service purposes: support@wisualarm.com

CEE&Nordic Importer: Dahua Technology Poland Sp.z.o.o.

Address: Poleczki Park Salsy 2, 02-823 Warszawa

Email address for service purposes: support@wisualarm.com

UK Importer: Dahua Technology UK Ltd.

ADD: 3rd Floor, Quantum House, 60 Norden Road, Maidenhead, SL6 4AY

Email address for service purposes: support@wisualarm.com

Germany Importer: Dahua Technology GmbH

Address: Niederkasseler Lohweg 185, 40547 Düsseldorf, Deutschland

Email address for service purpose: support@wisualarm.com

11. Documents

Hereby, Zhejiang Huaxiao Technology Co., Ltd. declares that the radio equipment type Smoke Alarm is in compliance with Directive 2014/53/EU.

The full text of the EU declarations of conformity and EU declarations of performance is available at the following internet address: <https://www.wisualarm.com/en/ServiceSupport/DownloadCenter>



For more information, please scan the QR code below or visit <https://www.wisualarm.com/en/Products/ALL>.

