

DS-PDBG12-EG2-WB/WE

Wireless Glass Break Detector

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replacement of a battery with an incorrect type that can defeat a safeguard (for example, in the case of some lithium battery types);
- disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion;
- leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas; and
- a battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas



2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info



2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info



Warning

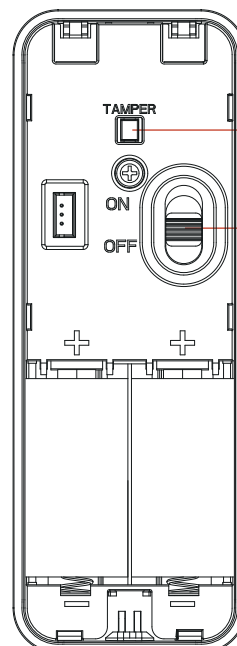
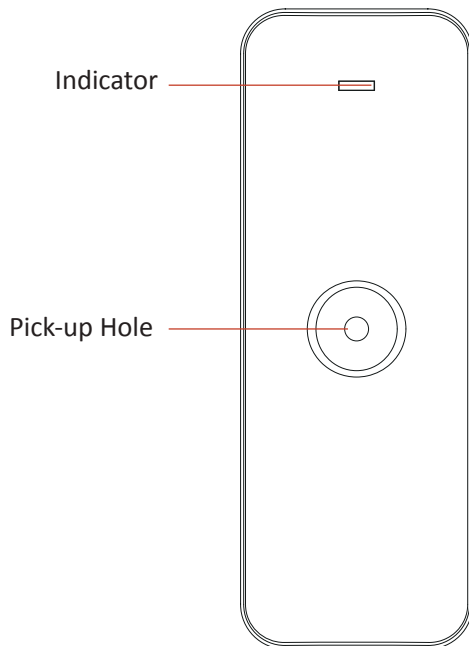
1. Do not ingest battery, Chemical Burn Hazard
2. Keep new and used batteries away from the children.
3. If the battery compartment does not close securely, stop using the product and keep it away from children.
4. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.



Caution

1. Risk of fire or explosion if the battery is replaced by an incorrect type.
2. Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types).
3. Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.
4. Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas.
5. Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas.
6. Dispose of used batteries according to the instructions

1 Appearance



Tamper

Power Switch

Battery + - Mark:
+ identifies the positive terminal(s) of equipment which is used with, or generates direct current.
- identifies the negative terminal(s) of equipment which is used with, or generates direct current.

2 Enrollment

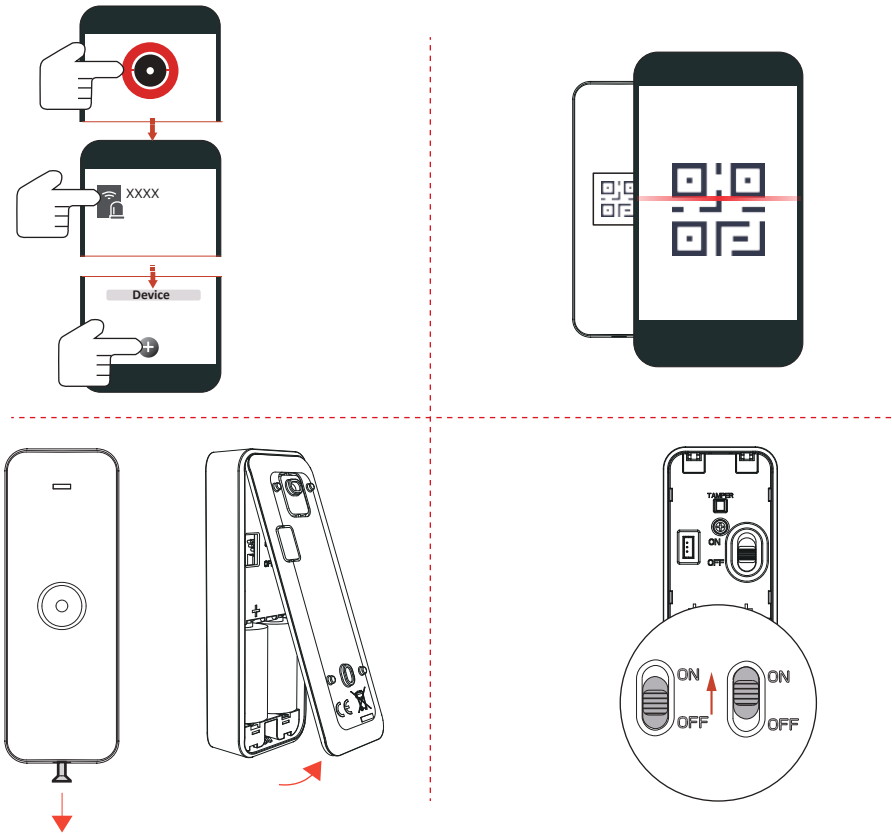
1. Log in to the APP Store, download and install the App.
2. Power on the security control panel.
3. Log in the APP and tap the icon "+" . Scan the QR code or input the control panel serial No. to add the control panel.

1 Enroll the Peripheral Locally

1. In the APP, tap the "Enrollment Mode" button on the control panel page to make the control panel enter the enrollment status.
2. Loosen the screw and remove rear panel.
3. Power on the peripheral, and it will be automatically enrolled to the control panel.

2 Enroll the Peripheral with QR and serial No.

1. In the APP, tap the icon "+" and scan the QR code or serial No. on the peripheral.
2. Loosen the screw and remove rear panel.
3. Power on the peripheral, and it will be automatically enrolled to the control panel.

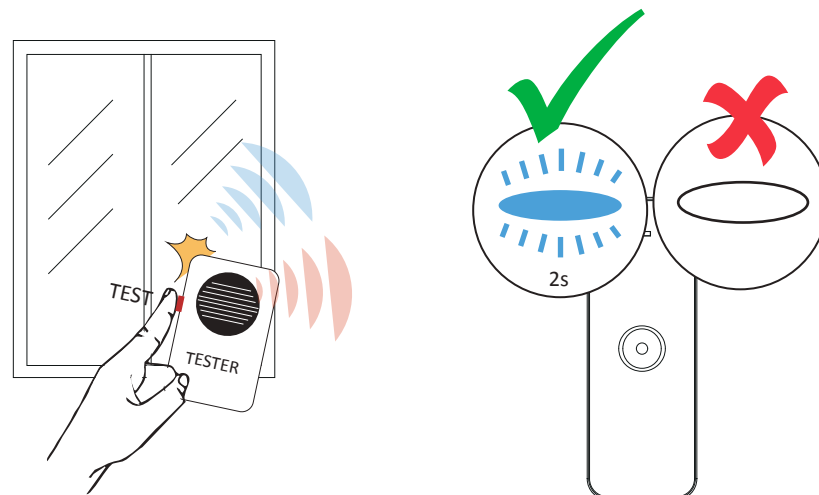


3 Test

BG (Break Glass) Test

Use a tester to simulate the sound of glass-break at the required place.

If the blue LED flashes 2 s, the installation position for BG detection is properly. If the LED indicator is still off, adjust the position of the detector.



4 Installation

1. Check Signal Strength

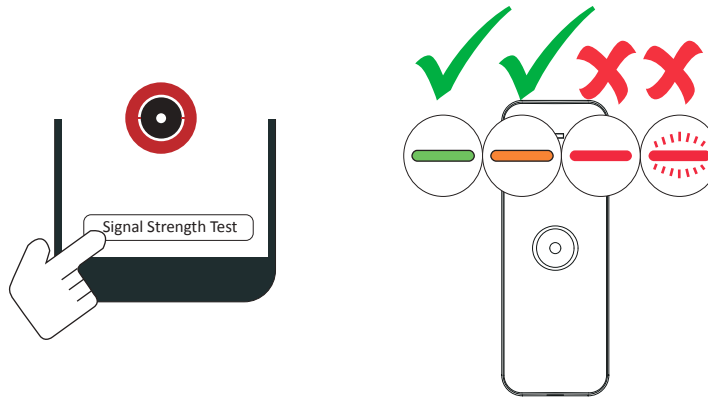
Enter the signal checking mode by operating on the control panel. Trigger the detector.

Solid Green for 3 s - Strong Signal

Solid Orange for 3 s - Medium Signal

Solid Red for 3 s - Weak Signal

Red light flashes for 3S - Lost Signal



2. Install the Detector

Dig the groove to disassemble the device.

Method 1: Secure the rear panel to the wall with two screws.

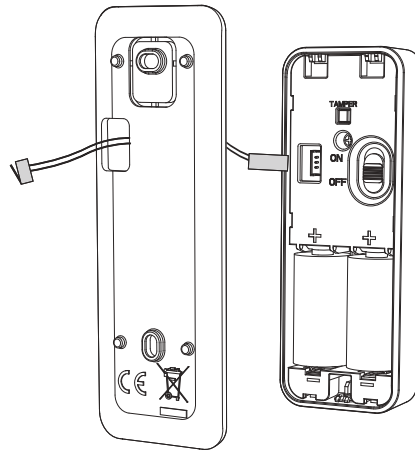
Method 2: Paste rear panel on the wall with the sponge tape.

Note: To make the TAMPER work properly, the thickness of the sponge tape should be no more than 1mm.

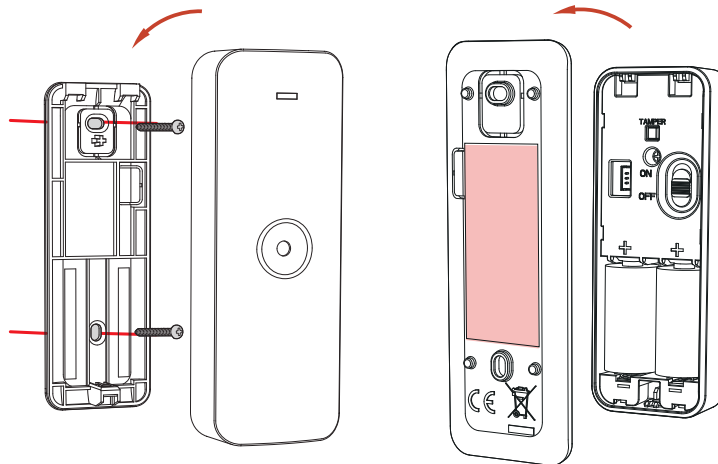
Note: Installing with sponge tape is non EN compliant.

Close the front and the rear panel.

Note: You should install the sensor and the magnetic stick at the door or window's edge. Make sure they are aligned with the door or window's edge.



(optional) route the cable through cable hole if external inputs required.



Method 1.

Method 2.


5 Functions

You can add two external inputs (each input can be set as NO\NC\TAMPER\Pulse) via the AX PRO client. While Any of the two inputs generates an alarm event, the detector reports the alarm to the AX PRO. The LED keeps blue for 2 s.

6 Formatting

1. Remove the battery.
 2. Hold the TAMPER button and power the detector on at the same time.
- The red LED flashes 3 time when the formatting is completed.

7 Set Up with App

You can view the device status including temperature, signal intensity, battery level, lid, external input, etc., on the device page. Tap the  button to enter the settings page.

Disallowed field adjustable settings: None

8 Operation Caution and Device Maintenance

- All the electronic operation should be strictly compliance with the electrical safety regulations, fire prevention regulations and other related regulations in your local region.
- Do not drop the device or subject it to physical shock, and do not expose it to high electromagnetism radiation. Avoid the equipment installation on vibrations surface or places subject to shock (ignorance can cause equipment damage).
- Please make sure that the power has been disconnected before you wire, install or dismantle the device.
- If smoke, odors or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.
- Do not drop the device or subject it to physical shock, and do not expose it to high electromagnetism radiation. Avoid the equipment installation on vibrations surface or places subject to shock (ignorance can cause equipment damage).
- Do not place the device in extremely hot (refer to the specification of the device for the detailed operation temperature), cold, dusty or damp locations, and do not expose it to high electromagnetic radiation.
- The device for indoor use shall be kept from rain and moisture.
- Exposing the equipment to direct sun light, low ventilation or heat source such as heater or radiator is forbidden (ignorance can cause fire danger).
- Do not aim the device at the sun or extra bright places. A blooming or smear may occur otherwise (which is not a malfunction however), and affecting the endurance of sensor at the same time.
- Improper use or replacement of the battery may result in hazard of explosion. Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.
- Do not expose the device to the corrosive gas. Otherwise the equipment damage may occur.
- Do not expose the device to the explosive situation.

11 Specification

	Model	DS-PDBGEG2WB/WE
Detection Performance	Detection Method	Acoustic Sensor
	Detection Range	8m
	Detection Angle	120°
	Sensitivity	2m,4m,6m,8m
	Glass Type	Float,Plate,Tampered,Wired,Laminated Leaded,Double Glazing
	Glass Thickness	2.4mm to 6.4mm
	Glass Size	0.3m x 0.3m to 3m x 3m
Feature	Digital Processing	Support
	Tamper Protection	Front,Rear
	Environment Temperature Indicator	Support
	Signal Strength Indicator	Support
Interface	Alarm Input	Normally Closed,Normally Open,Impulse Count
	Power Switch	Power Up Enrolling
	LED Indicator	Blue(Alarm)
Transmission	Transmission Technology	Tri-X Wireless
	Transmission Method	Two-Way RF Wireless
	Transmission Frequency	433MHz/868MHz
	Transmission Security	AES-128 Encryption
	Transmission Range(Free Space)	1Km(433MHz)/1.6Km(868MHz)
	Frequency Hopping	Support
	Enrolling Method	Power up,Remote ID,QR Code
Electrical Characteristics	Power Supply	Battery Powered
	Battery Type	CR123A × 2
	Typical Voltage	3V
	Standard Battery Life	5 Years
General	Operation Temperature	-10 °C to 55 °C (14 °F to 131 °F)
	Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
	Operation Humidity	10% to 90%
	Dimension(WxHxD)	38.8mm × 107.0mm × 24.5mm
	Weight	83g
	Mounting Method	Wall,Ceiling
	Application Scenario	Indoor