



**DIRECT
SMARTER**



**ALL-IN
SENSOR**



Instructions for
additional sensors

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Safety Instruction

WARNING: PLEASE READ CAREFULLY AND THOROUGHLY



When mounting a product by using screws, always ensure that there are no electrical cables behind the mounting location.

If you ordered the sensors/detectors together with the Direct-Smarter Android alarm center/connector, we have already programmed and connected each sensor/detector for you and you don't need to follow the below steps for programming/connecting.

Dual PIR



This model is a motion detector with dual PIR lenses. This ensures that there is no false triggering, especially with pets.

The motion detector has a pause of 1 minute to save electricity. This means that there must be no movement 1 min before the motion detector so that it triggers again.

Sensors ordered in sets (including Direct Smarter Alarm Center/connector) are already programmed and connected.

First, please clean the surfaces to which the sensors are attached with alcohol or glass cleaner. The sensor is attached to the surface with an adhesive pad or screws.

The batteries in this model are already installed. You can switch on the Dual PIR by pulling the plastic strip out, see picture. The battery life time is about 6 – 12 months according to the number of triggers. Before the battery is empty the Dual PIR will start blinking.



Programming/Connecting to your Android Alarm Center/Connector

If you have ordered the motion detector at a later date, you can connect/program it by pressing the button on the side of the recess with a pointed object. Then the blue LED inside flashes.

Then click on the + Symbol on your Android Alarm Center/Connector app. Next select Sensor/Repeater. On the list of sensors please click "Motion Detector" to start the connecting process.



The motion detector is used to monitor rooms. The sensor has an 80-degree lens and a detection range of approx. 8 meters / 26 feet.

Please note the installation instructions for motion detectors.

Install the motion detector in such a way that the expected direction of travel will pass the motion detector to the side. A person walking past the motion detector triggers the alarm better than a person walking straight ahead towards the motion detector.

When you have decided on a mounting location, peel off the protective film from the magnetic holder and carefully press the sensor onto the selected location. Then slide the sensor sideways from the magnet holder and press the magnet plate firmly again.

If it is not possible to use the magnetic adhesive pad due to woodchip wallpaper or other reasons, the magnetic plate can alternatively be attached using screws and dowels. The magnetic plate has a hole in the middle for this.

After installation, leave the monitored area for at least 1 minute and then walk past the motion detector at normal walking pace.

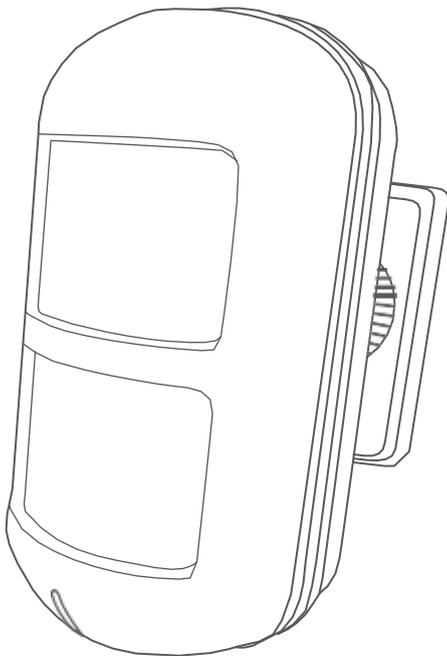
Pay attention to the blinking of the blue LED, the motion detector will have recognized you approx. 2 seconds beforehand. If the sensor has been tested successfully, the installation of this sensor is complete.

PIR motion detectors react to differences in heat and at the same time check whether this heat source is moving.

In the field of security technology, motion detectors are responsible for approx. 90% of the cases of unintentional alarm triggering. The cause are mostly unsuitable mounting positions of the motion detectors.

Therefore, mount the motion detectors in such a way that there are no heat sources in the monitored area, also watch out for lightbulbs or pets, etc.

The direction of movement of the person should lead past the motion detector to the side. Depending on your needs, you can mount the motion detector on the wall at a height between 1.50 m and 2.40 m / 4.9 feet and 7.8 feet.



I. Brief Introduction

This product is Wireless dual pet Immune PIR Detector, adopting a number of advanced analysis techniques of dynamic threshold adjustment, artificial intelligence process etc. According to Infrared spectra from human body to do intelligent analysis and quantum chemical calculation, then compared to the current environment temperature, analyze the influence of the environment, accurately send alarm for the movement of the human body, make sensors more stable, more effectively avoid false alarm caused by pet. This product must work with our company's main panels, then can be used.

Applicable place:



Residence



Shopping
Mall



Machine
Room



Warehouse



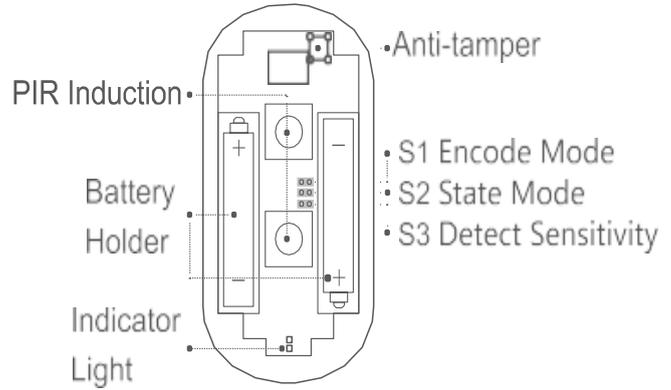
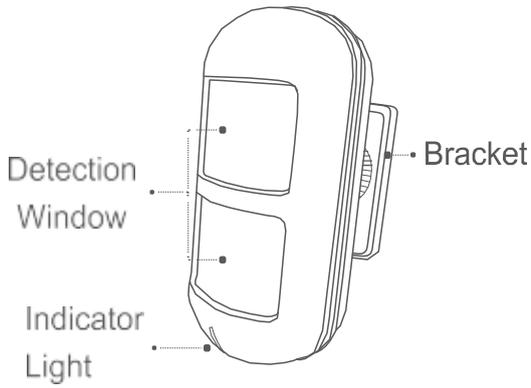
Factory
Etc

Features:

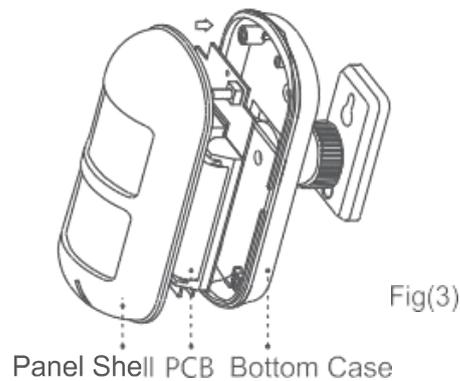
- Adopt high-end double infrared sensor and artificial intelligent algorithm technology.
- Two independent detection windows, immunity to pets weighing below 25kg.
- Dynamic threshold adjustment technology, with good resistance to light and electromagnetic interference.

1

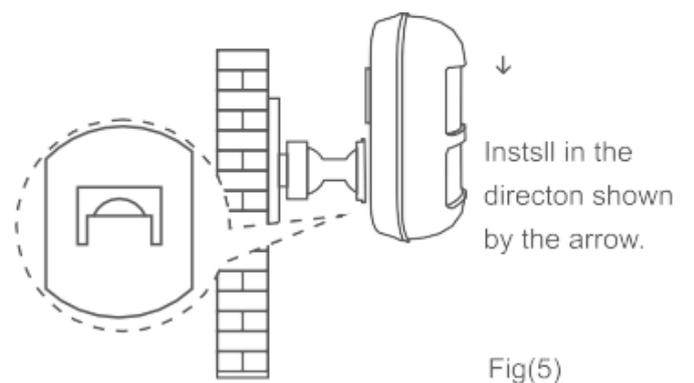
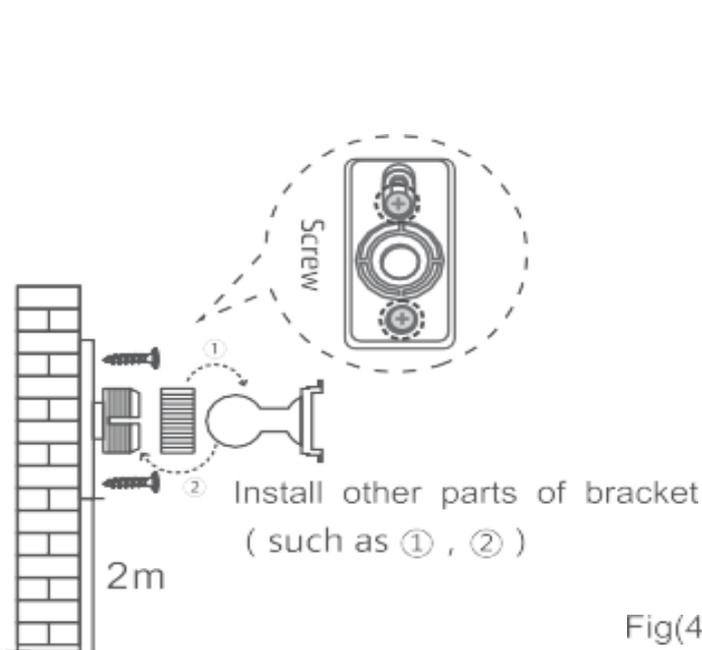
- Detection sensitivity is adjustable to meet different environmental requirements.
- Unique intelligent power saving mode, can prolong battery life.
- Built-in 2262 and 1527 encoding, can work with most alarm panels in the market.
- Adopt SMT manufacturing, more reliable performance.



Mounting Diagram:

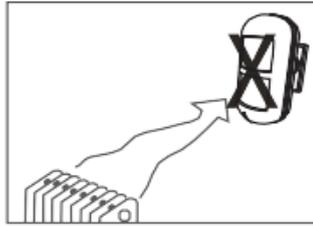


Install (Fixed Installation) (please note m stands for meters)

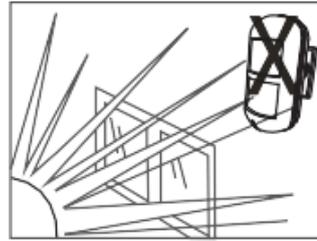


• Installation Notes :

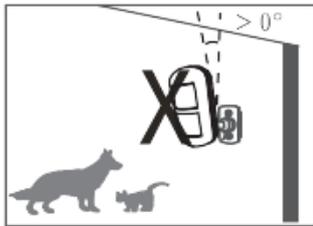
Please install the detector on a fixed and hard wall (no shaking), and the places where intruder easily passes. Also keep it away from the below situations to avoid false alarms.



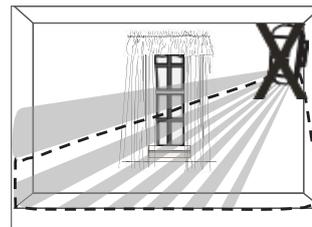
Avoid hot/cool equipment;



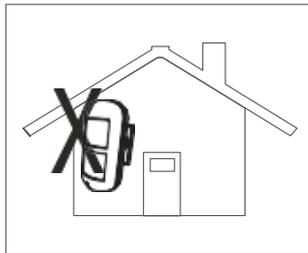
Prevent direct sunlight;



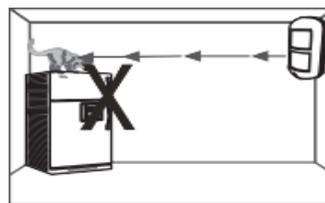
Please install vertical;



Avoid swing things like curtain;



Do not install outdoor;



Prevent 1-1.8 meters objects before this detector.

Fig(6)

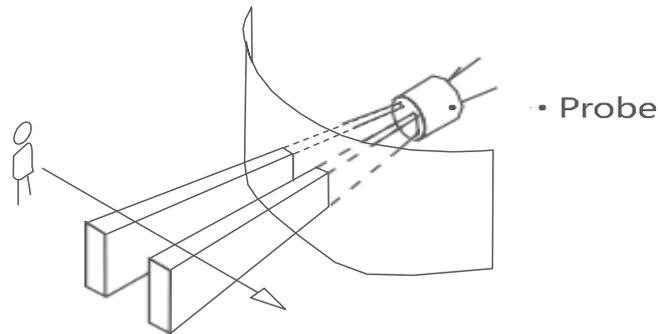
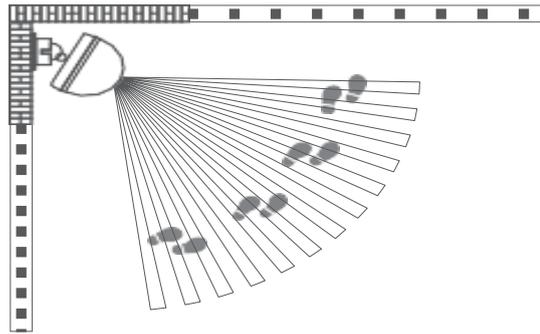
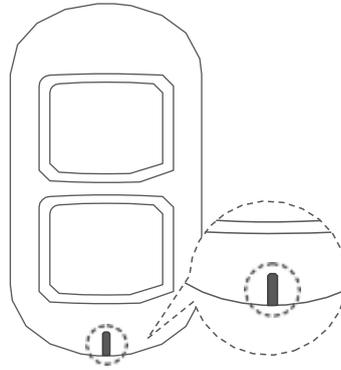
- **Mounting Recommendations:** install on the place easily to intrude.





DIRECT SMARTER

triggered within 2.5 seconds, will be treated as valid alarm signal, LED red light on, meanwhile this detector send RF alarm signal to alarm host.
3. After install the detector, do walk test in front of the detector.



6



Operating voltage	DC3V (two AA LR6 AM3 1.5V)
Quiescent current	≤ 18uA
Working current	≤15mA
Detection range	7-9 meters
Wireless transmission distance	70 meters (open area)
Detection angle	80 °
Detection of walking speed	0.3 m / s -3 m / s
Self-test time	≤ 60s
Alarm Indication	Red LED light
Infrared sensor	2 pairs of pyroelectric infrared sensor
Wireless transmission frequency	433 / 868MHz (optional)
Relative humidity	5% -95% RH (no condensation)
Installation	Wall or corner installation
Installation height	1.7 m - 2.2 m
Storage temperature	-10 °C - +65 °C
Detector size	107x52x41mm (without bracket)
Meet the standards	GB10408.1;GB10408.6;GB16796

DSP motion detector



The batteries in this model are already installed. The battery life time is about 6 – 12 months according to the number of triggers. Before the battery is empty the DSP will start blinking.

Installation

Open the back of the DSP by loosening the 4 screws (see picture).



You can switch on the DSP by pulling out the plastic strip, see picture.



Now the housing can be closed again with the 4 screws.

Programming/Connecting to your Android Alarm Center/Connector

1. Briefly press the connecting button with a pointed object (see picture)



2. LED starts blinking blue
Then click the + Symbol on your Android Alarm Center/Connector
Next click on "Sensor/Repeater". From the list of sensors please select "DSP Sensor" to start the connecting process.

The blue LED lights up after a successful connection.

After a trigger the sensor has a pause time of 1 minute for energy saving, after this 1 minute, it can be triggered again.

Warning: Assembly (Avoid water entering the DSP Sensor)

We have changed our production and already installed the spacers. However, it is possible that some DSP Motion Sensors still come without attached spacers. If your DSP Sensor does not have the spacers attached, please, use the screws (included in delivery) to attach the spacers. Please make sure that the spacers are attached at the top, so that water cannot flow into the housing. (Please see below both pictures for correct positioning of the spacers)



Attachment

You can attach the DSP Motion Sensor to a wall or pole. To avoid false alarms, please do not point the DSP Motion Sensor directly at a tree or bush that may be moved by wind or can be heated by direct sunlight.

Remote control



You can arm and disarm your Android Alarm Center/Connector with the remote control.

top button	= loud alarm
middle button	= silent alarm
bottom button	= disarm

Battery change

The battery has a life time of about 6-12 month, depending how often you use it. To open the remote control, you need to remove the key ring and use a small screwdriver or flat object to open the case at the bottom corner. Now you can remove and replace the **CR2032 3V** battery. When you have done everything, you can put both halves of the housing back together.



Programming/Connecting to your Android Alarm Center/Connector

A remote control is set up by pressing the upper and lower buttons simultaneously for 3 seconds. The LED then flashes red-blue briefly, and then flashes blue continuously.

It is now in connecting mode. You can now connect the remote control to your Android Alarm Center/Connector). Click on the + Symbol on the Android Alarm Center/Connector App. Then click on "Remote Control/Emergency Sensor". From the list please select "Remote Control". The connection to your Android Alarm Center/Connector takes about 45 seconds.

Mini magnet door / window sensor

Programming/Connecting to your Android Alarm Center/Connector



- Briefly press the connecting button with a pointed object (see picture) once

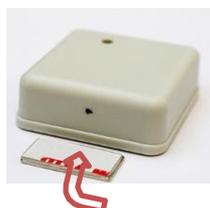


- LED starts to flash blue
- Connect to your Android Alarm Center/Connector by clicking on the + Symbol on your Android Alarm Center/Connector App.
- Click on "Sensor/Repeater"
- From the list, please select "Door Magnet Sensor" to start the connection process.

The blue LED lights up after a successful connection

Assembly

1. Thoroughly clean the surface you want to attach the mini magnet door / window sensor of dirt and grease (e.g. with alcohol)
2. Make sure that the magnet is on the side of the door sensor with the small black hole (see picture)



3. Attach the door / window magnet to the desired position (adhesive pad on the back)

Information:

- Size: 3.5x3.5x2cm / 1.4 x 1.4 x 0.8 inch
- Signal is sent up to 40 m / 131 feet
- Replaceable button battery (CR2430 3V) service life of up to 3 years

power plug



The power plug can switch any electric device you want, directly from the AIS Center or from far with the AIS Receiver App.

Meaning of the blue LED:

LED is blinking = searching for connection with AIS Center

LED is on = activated

LED is off = deactivated

LED turquoise = reset

You can change the activation time (in your Android Alarm Center/Connector) when you press and hold the "switch on" button.

Programming/Connecting to your Android Alarm Center/Connector

1. Hold the button for 3 seconds. Then the LED will glow turquoise
2. Please press + Symbol in your Android Alarm Center/Connector app
3. Select Power Plug to start the connecting process.



You can switch the power plug on / off manually after successful learning. To do this, briefly press the button.

Reset: Press the power switch for approx. 5 seconds. Blue LED changes color to turquoise.

alarm speaker



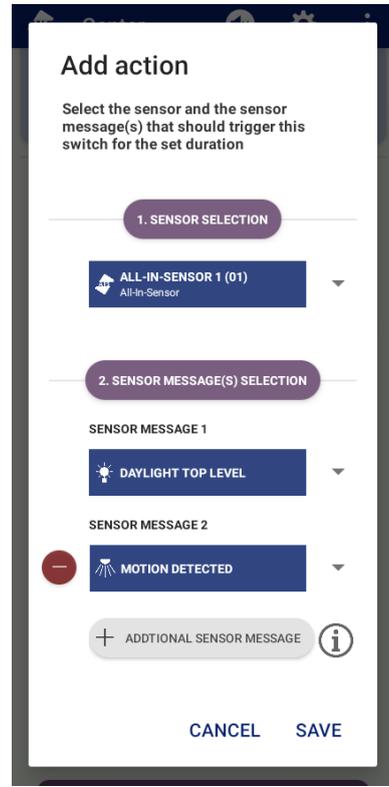
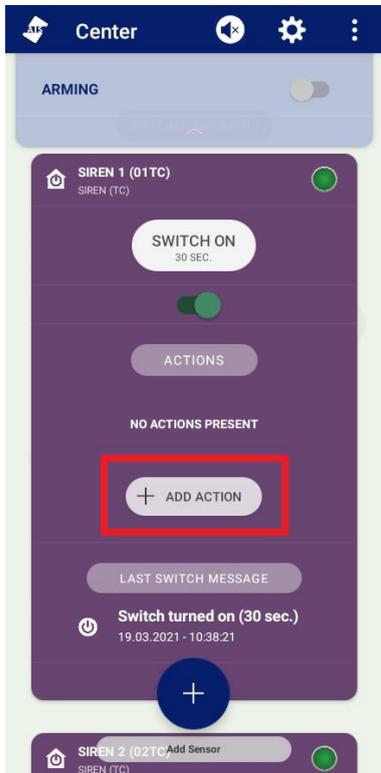
With the alarm speaker you can play siren sounds or voice announcements for example in case of a fire, to tell the people to leave the building.

The speaker has about 85 db. **Please protect your ears before turning on the alarm speaker and set the volume to your desired level.**

The MP3 sound is stored on the SD card and can be changed.

The volume can be set with the – or + button during the sound is played.

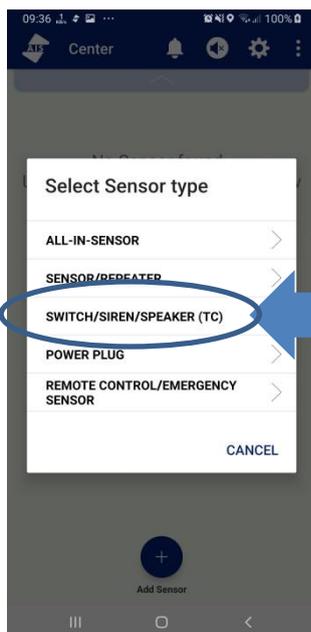
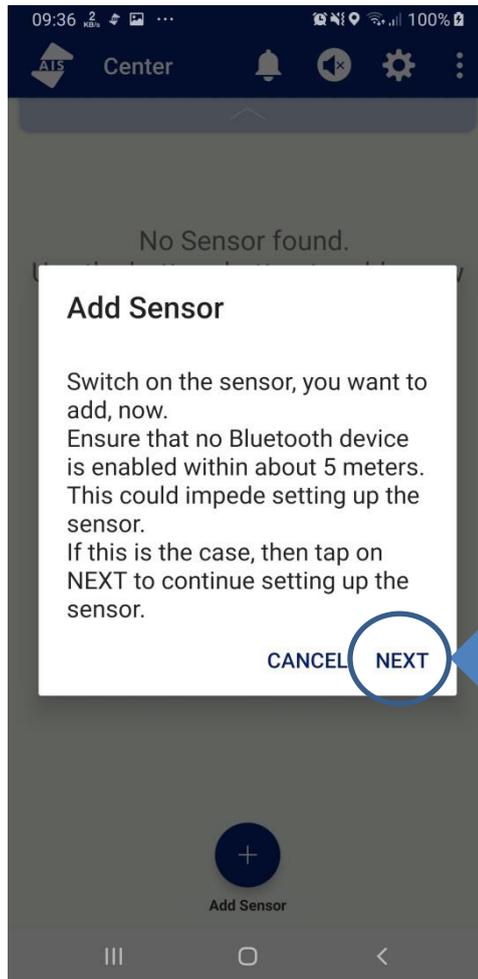
You can choose different sensors from the All-In-Sensor and create events to turn on the alarm speaker (You can do that in the app on your Android Alarm Center/Connector – please see both photos below), like it's getting too hot and too high humidity in your animal terrarium, to warn you.

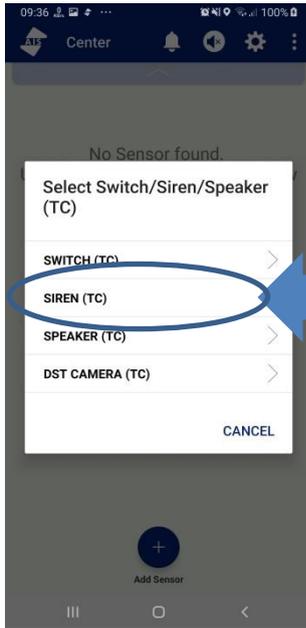


Programming/Connecting Siren to your Android Alarm Center/Connector

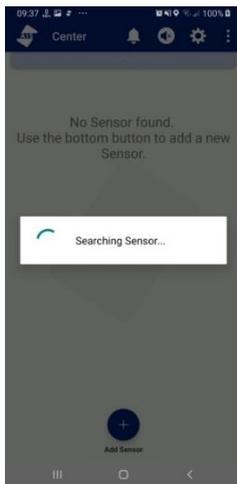


Now press the + Symbol (see image).





Switch/Siren/Speaker (TC) → Siren (TC)



Connecting to sensor. In the event the Sensor does not connect please repeat the above steps.

Aura



Power button On / off switch

LED explanation

	LED green	LED red
shines	disarm	x
flashes	x	arm
Flashes quickly	x	trigger

Sensitivity regulator



Turn on turn off

To switch the aura on / off, briefly press the power button with a pointed object (see picture).



The LEDs of the aura begin to glow green. The aura is now in "**disarm**" mode. To "**arm**" the Aura, press the "Lock closed" symbol on the supplied remote control (see picture).



The LEDs of the aura are now flashing red and are now in the "**Armed**" mode.

Programming/Connecting to your Android Alarm Center/Connector

To connect the aura, briefly press the pairing button with a pointed object (see picture)

LED starts to flash blue

Connect to your Android Alarm Center/Connector by clicking on the + Symbol you the Android Alarm Center/Connector app. Next, click on "Sensor/Repeater". From the list please select "Aura Space Sensor" to start the connecting process.

The blue LED lights up after a successful connection



The setup is finished and you can now choose the desired monitoring location.

You no longer need a remote control. You can now arm and disarm the Aura directly from your Android Alarm Center/Connector.



Location

- possible in open places (e.g. table etc.)
- avoid closed assembly (e.g. inside a cabinet etc.)

Hints

- Monitoring up to 120m² / 1,291 ft² (with high sensitivity setting)
- Battery life approx. 4 weeks (we recommend using a power supply unit)

Photoelectric barrier

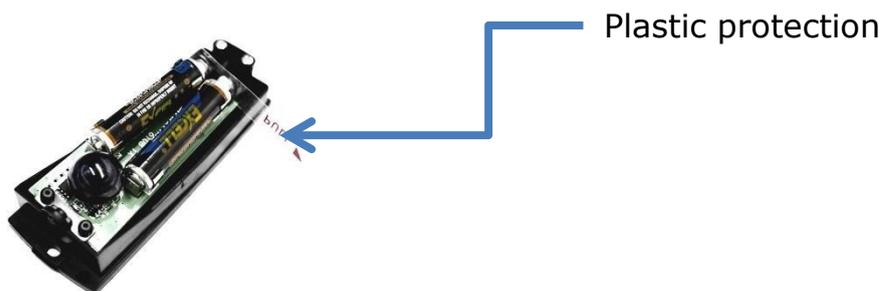


Installation

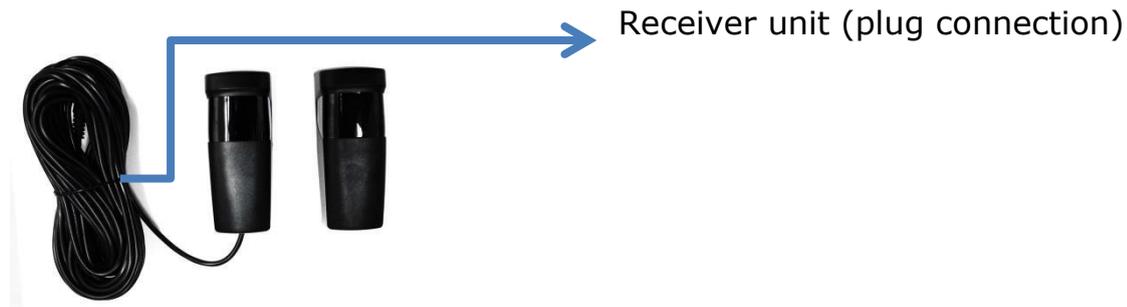
Loosen the screws on the upper head of the transmitter (see picture).



Now open the back of the transmitter light barrier. Remove the plastic protection from the battery so that the transmitter unit can be supplied with power (see picture). In Battery mode the transmitter works for about 12 months.



Now connect the receiver unit to your power supply unit (plug connection) of the light barrier. To connect the receiver unit to your power outlet please purchase a 2.1mm DC plug 12v.



The blue LED in the receiver unit starts to flash. This means that the receiving unit is looking for the sending unit. Now align the light barrier to the desired installation location (distance between the two units 15-30m / 49-98 feet). The LED stops flashing when it is correctly aligned.

Programming/Connecting to your Android Alarm Center/Connector

1. Remove the plastic protection from the batteries (Transmitter unit)
2. Briefly press the button once (Receiver unit see picture)
3. LED starts blinking blue
4. Click + Symbol on the Android Alarm Center/connector app
5. Click Sensor/Repeater and select "IR Light barrier"
6. The blue LED lights up after a successful connecting process



Hints:

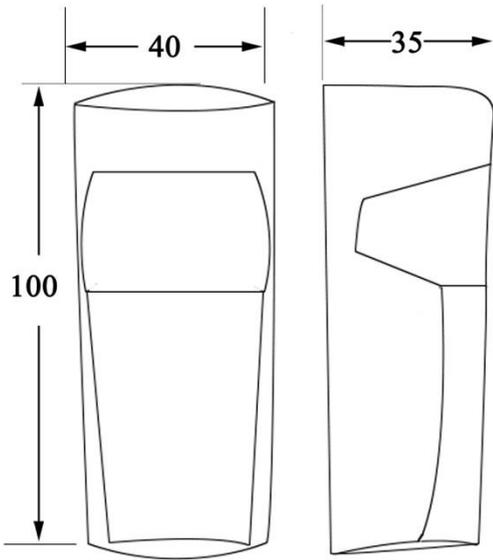
- Mounting height: approx. 1.00 m-1.20 m / 3.28–3.93 feet (make sure that the unit can be triggered)
- Maximum range of the units: approx. 15m-30m / 49-98 feet
- Protection class: IP55 (weatherproof mounting is recommended)



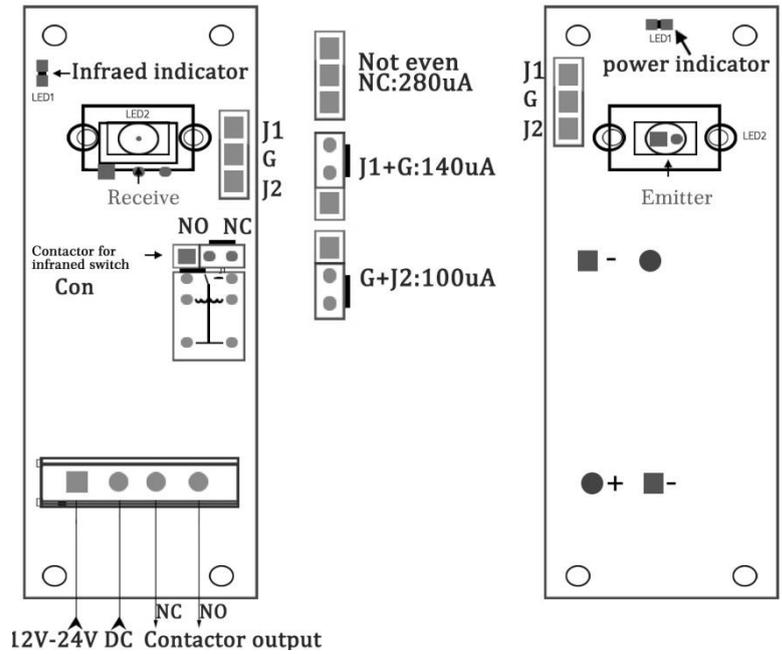
Safety Instruction

1. This photocell does not have any fuse, so Please make sure that the **power is off before installation!**
2. Please ensure that the transmitting and receiving unit are in an effective working range

Picture Display



Size



Smart-Battery-Cam



1. Positioning/installation of the camera

Please attach the magnetic mount to the desired position and attach the camera.

2. Camera setup

Connect your smartphone to your WiFi router.

Install the "Ubox" app, which you can find in your [Google Play Store](#) or [App-Store](#).

Grant this app all access for the full functionality of the app.

Follow the app's instructions and create an account or add the camera without an account.

Press the "+" icon in the top right corner and select "Security Camera" under "Video Surveillance".

Now switch on the camera by sliding the slide switch under the rubber cover to ON and then press and hold the reset button for 5 seconds until you hear an announcement.

Now follow the additional steps indicated by the app.

The goal is to scan a QR code from your smartphone with the camera and thereby integrate the camera into your WLAN.

3. Adding more devices

If you followed the previous steps carefully, you can add more devices in the same way.

Once you have finished setting up the devices, you can call up and further manage your set up devices on the app's start page and use their functions.

4. Push notification and simultaneous access to live images

For simultaneous access to live images or push notifications, please use a separate account with an email address.

Video camera



APP Download



Setting up the camera

1. Download the "UBox" APP from the Google Play Store or Apple Store onto your device. Or just scan the QR code.
2. Open the "UBox" APP on your device.
3. Follow the instructions in the APP to set up the camera, we recommend generating the QR code on the smartphone and reading it from the camera.
4. Connect the USB cable of the camera to the power supply socket.
5. The LED starts to flash.

APP UBox - Set up the camera

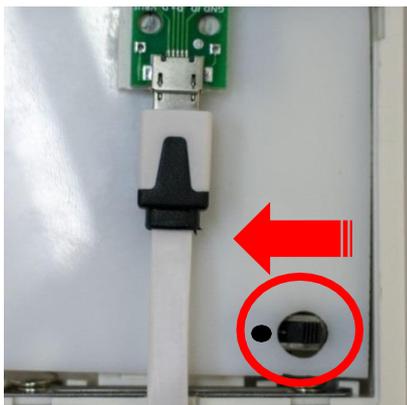
- Click on "Add a device"
- Setup WiFi Device → Next → Enter the WLAN password and the name of the WLAN in which you want to set up the camera
- Scan the QR code on the end device with the DST camera (Distance approx. 8 inches → camera to end device)

Programming/Connecting to your Android Alarm Center/Connector

1. Open the back cover of the camera
2. Briefly press the programming button once (see picture)
3. LED starts blinking blue
4. Click + Symbol on the Android Alarm Center/connector app
5. Click Switch / Sirens / Speaker (TC)
6. From the list, please click DST CAMERA (TC) to start the connecting process.



After the camera has been successfully connected, slide the slide switch (remove the rear cover → bottom right) from the right position to the left position with the black dot so that the camera can only be switched on via the AIS Center. This ensures that only you and no one else can access the camera.



Wireless outdoor siren solar



General

The wireless outdoor siren is a combination of a siren and a flashlight.



Please protect your ears during installation and testing.

Place the siren in an area where it cannot cause hearing issues but still can be heard in any area of the house when the siren starts.

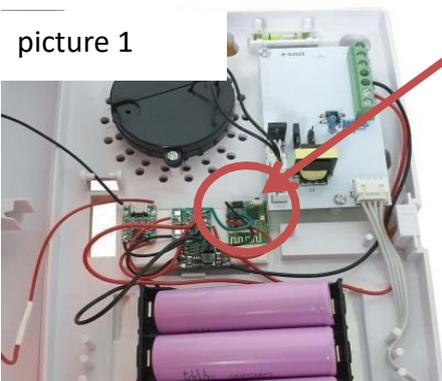
Attachment:

Please use screws (included in delivery) when you attach the solar outdoor siren to wood. When attached to a concrete wall please use screws and dowels.

Programming/Connecting to your Android Alarm Center/Connector

Loosen the screws from the housing (rear).

1. Briefly press the pairing button (picture 1) once
2. LED starts blinking blue
3. Then connect with your Android Alarm Center/connector by clicking the + symbol.
4. Click "switch/siren/speaker (TC)"
5. From the list click "Siren"



Water Detector



Sensors ordered in sets are sent already connected/programmed to the Direct-Smarter Android Alarm Center/Connector. Please, first clean the surfaces (with alcohol or glass cleaner) to which the sensors are attached. To attach the TC Circuit housing, please use the adhesive pad.

General

The water detector consists of housing with a TC circuit board and the moisture sensor. Best place is always where you expect potential water leak. (For example, next to / or under your washing machine) The TC Circuit housing is attached to the wall by using the adhesive pad. Place the moisture sensor in such a way that the gold contacts are on the floor.

As soon as water touches the moisture sensor, an electrical bypass is established and the alarm goes off. In the settings for the sensors in the control panel (your Android Alarm Center/Connector), you have the option of specifying whether an alarm should always be triggered (instant alarm) or only when the control panel (your Android Alarm Center/Connector) is armed. By default, the sensor always triggers an immediate alarm.

For the water sensor please contact us at: carsten.gehrmann@amg-sicherheitstechnik.de if your receiver phone is an iOS phone.

You can test the water sensor by wetting the contact with water (see picture). A new test is only possible after the contacts are fully dry.

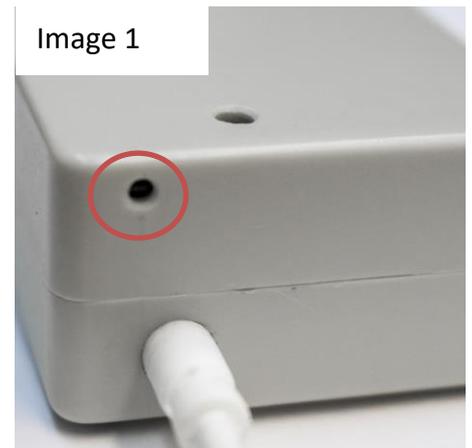




If the moisture sensor is wet, please dry with a towel or kitchen paper towel. Never place in Microwave or use Hair Dryer or any other device to dry the moisture sensor.

Programming/Connecting to your Android Alarm Center/Connector

1. Briefly press the button with a pointed object (image 1) once
2. LED starts flashing blue
3. Click + Symbol on your Android Alarm Center
4. Click "sensor/repeater"
5. From the list, select "water detector"
6. The blue LED lights up after a successful connection



USB Repeater



The optimum height is approx. 1.50m / 4.9 feet from the floor

Attach the Repeater to the wall by using the adhesive pad. Please, first clean the surface of the wall.

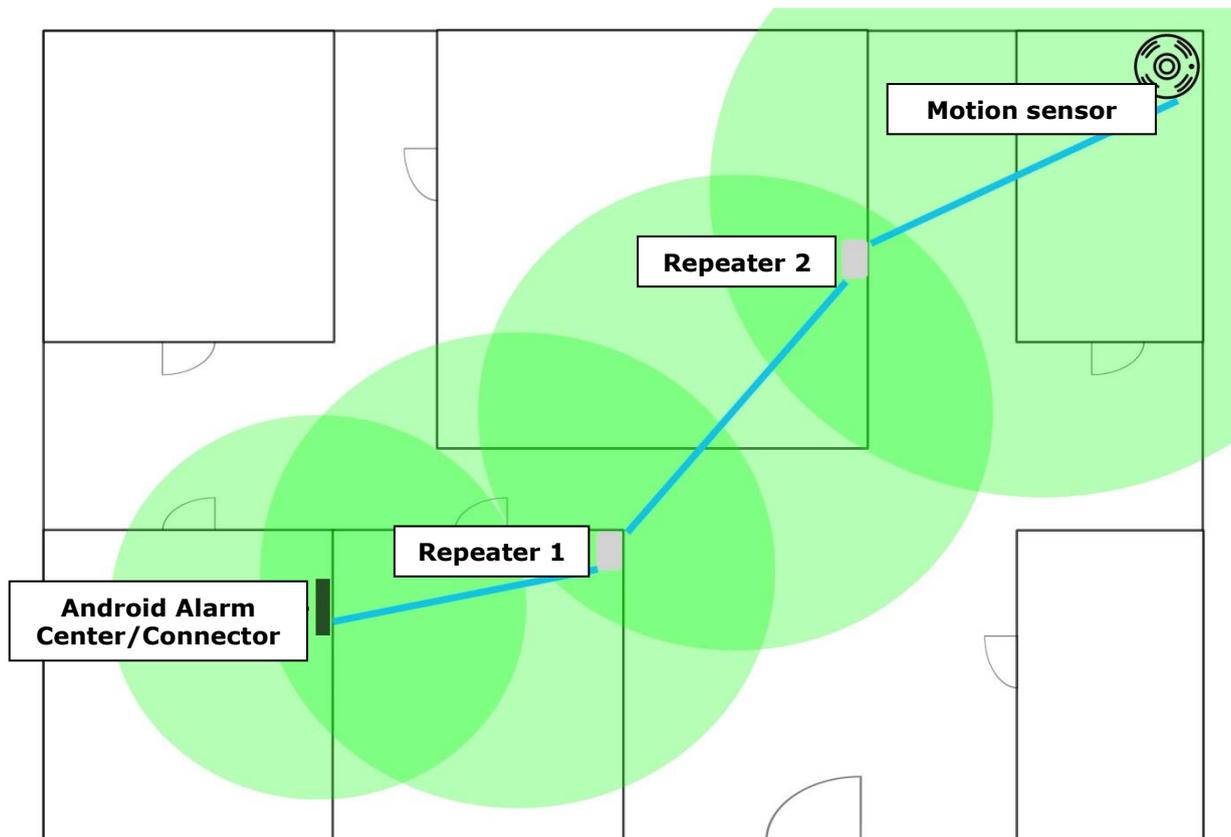
The repeater is best aligned as shown in the picture so that the LED points in the direction of your Android Alarm Center/Connector or your Direct-Smarter sensor/detector so that the antenna is optimally aligned.

If the LED is pointing towards the floor or ceiling or to the side of your

Android Alarm Center/ Connector or your sensor (for example motion sensor), then the antenna has less surface area to pick up and transmit the signal.

The optimal height is approx. 1.50m / 4.9 feet, i.e. slightly away from the floor.

Positioning of the motion sensor with repeaters (example)



In some cases, reflections of radio waves from objects can disrupt a signal connection.

In some cases, it already helps to mount the motion sensor 1 meter / 3.2 feet to the right / left or upright instead of flat. Every house is built differently, has different sources of interference and shielding.

Programming/Connecting to your Android Alarm Center/Connector

1. Briefly press the button with a pointed object once
2. LED starts flashing blue
3. Click + Symbol on your Android Alarm Center
4. Click "sensor/repeater"
5. From the list, select "Repeater"
6. The blue LED lights up after a successful connection

Indoor siren



Please protect your ears during installation and testing.

Place the siren in an area where it cannot cause hearing issues but still can be heard in any area of the house when the siren starts.

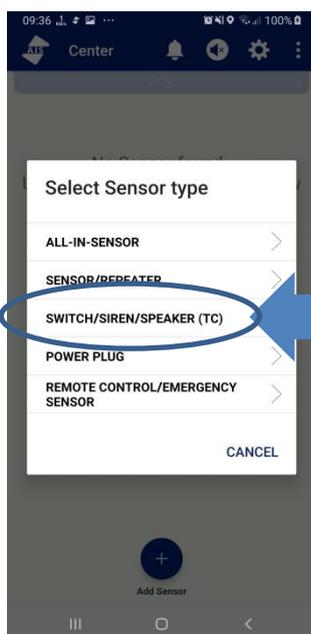
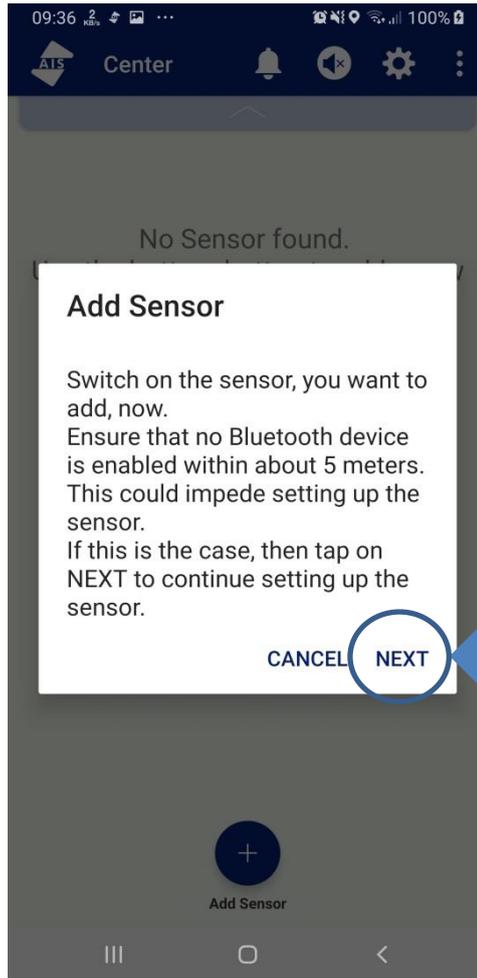
The Indoor siren can be attached to your wall by either using screws or the adhesive pad. When using the adhesive pad, make sure the surface to which it is attached is clean.

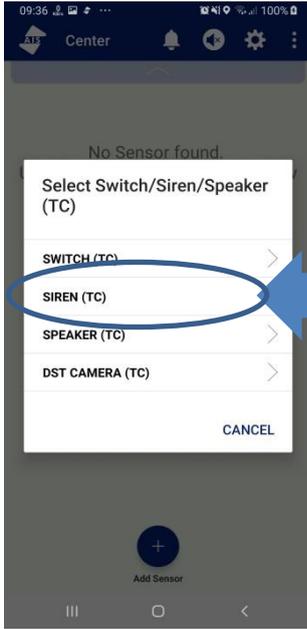
Programming/Connecting to your Android Alarm Center/Connector

1. Briefly press the pairing button with a pointed object (see image below) once
2. LED starts flashing blue
3. Click + Symbol in your Android Alarm Center/Connector app
4. From the list please, click " Switch/Siren/Speaker (TC) → Siren (TC)"

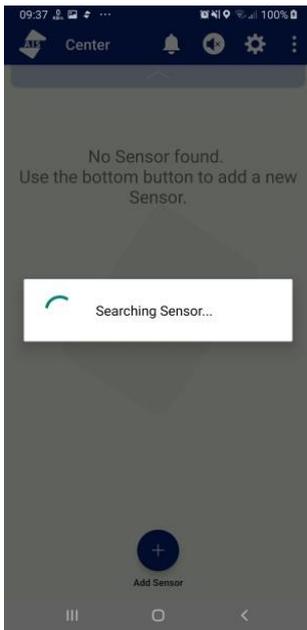


Now press the "Add Sensor" button (see image).





Switch/Siren/Speaker (TC) → Siren (TC)



Connecting to sensor. In the event the Sensor does not connect please repeat the above steps.