

Wireless Solar Driveway Sensor F620-161 Instruction

• Overview

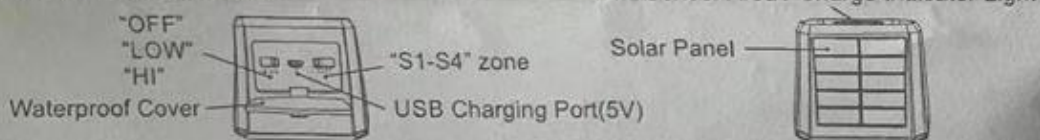
1. The signal transmission for the solar driveway sensor and the wireless receiver can reach 3280 feet. The induction distance of the solar driveway sensor can be up to 50 feet, and the induction angle is 120°.
2. The induction angle is 30° after installing the shielding case.
3. When the movement of people and vehicles is detected in the monitoring area, the wireless receiver will ring and flash immediately.
4. Please fully charge the solar driveway sensor before use.

• Package



• Product specification

1. Solar Driveway Sensor



Function description :

"OFF": Power off ; "LOW": Low sensitivity mode ; "HI": High sensitivity mode

"S1-S4 Zone": S1-S2-S3-S4 sensing zone

PIR Sensor Area: Sensing moving people, animals or vehicles

Charge Indicator Light: Light up to remind charging

Solar Panel: Solar charging

Micro USB charging instruction :

1. The sensor flashes red light every 1 second when charging, and the sensor lights up red when fully charged. (When the Micro USB is plugged into the socket, the driveway sensor stops sensing detection until the Micro USB is unplugged.)

2. When the wireless solar driveway sensor senses people or moving vehicles, the sensor flashes blue light.

3. Wireless solar driveway sensor with low battery reminder function.

Sensor low battery reminder:

- ① Sensor battery power $\leq 20\%$, the red LED indicator light will flash once every 3 seconds interval.
- ② Sensor battery power $\leq 10\%$, the red LED indicator light will flash once every 0.5 second interval.

4. About 3.5 hours to full charge by Micro USB charging.

Wireless digital display receiver end reminder:

- ① Sensor battery power $\leq 20\%$, the receiver sounds ding- - - ding- - - and display the number.
- ② Sensor battery power $\leq 10\%$, the receiver sounds ding - ding - and display the number.

2. Wireless Receiver

Digital Display Area(1-2-3-4)



"1" Volume
"♪" Melody
"⏏" Learning code



Volume: 4 levels control (0-30-70-110dB) Melody: 36 ringtones

Learning Code: wireless driveway sensor and wireless receiver pairing (Also switch to mute or ring)

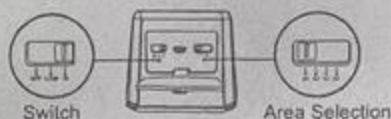
Learning Code: (short press twice): turn on / off the night light

• Operation instructions

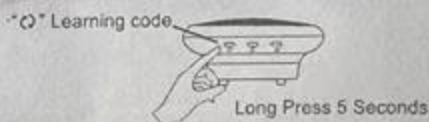
Before pairing, please make sure the remaining sensors that no need to be paired are off or away from the paired area. (Note: No sensing and pairing while USB is charging.)

1. Switch the wireless driveway sensor to "LOW" or "HI" mode, and the sensor enter into the power on mode.

2. Adjust the "♪" of receiver to select ringtone



3. Press and hold the "⏏" button of the wireless receiver, and trigger the driveway sensor by hand for induction. When you hear the ring of the wireless receiver, first trigger the driveway sensor to observe whether the receiver rings, which means that the pairing is successful. If there is no ring, you can pair again according to the instructions.



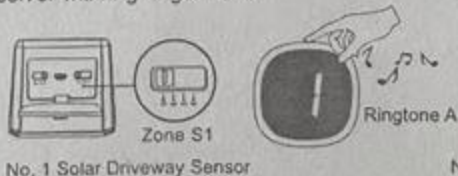
4. The product has been paired before leaves factory and can be used directly. If you need to pair more sensors, please follow above instructions.

Note: long press "⏏" button of the receiver for more than 15 seconds will clear all the paired sensors

"S1 - S4" zone independent ringtone pairing:

When switch to zone S1, choose ringtone A of the receiver then pair with driveway sensor. After pairing and trigger the sensor, the receiver will ring ringtone A.

When switch to zone S2, choose ringtone B of the receiver then pair with driveway sensor. After pairing and trigger the sensor, the receiver will ring ringtone B.



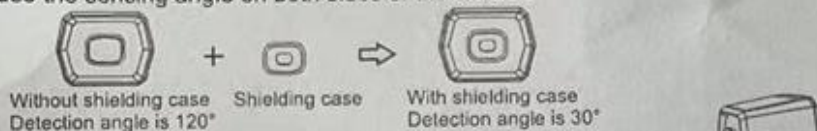
No. 1 Solar Driveway Sensor

No. 2 Solar Driveway Sensor

Following the above instructions settings, you can independently pair with different ringtones for the "S1-S4" zone.

Shielding case installation:

1. The shielding case can be installed in the sensing area of the wireless driveway sensor to reduce the sensing angle on both sides of the sensor.



2. The shielding case can be detachable with a flat-head screwdriver to pry up concave position on the both sides.

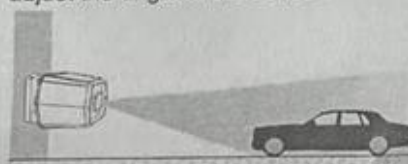
Note: The actual induction distance and angle will vary depending on the operating environment. Please decide to whether install the shielding case according to the scenario usage scenarios.

• Wireless driveway sensor installation

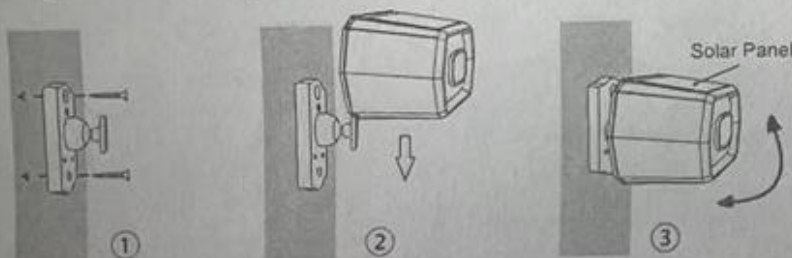
When the monitoring object is person, it is better to install 5 to 10 feet away from the ground and adjust the angle of the sensor.



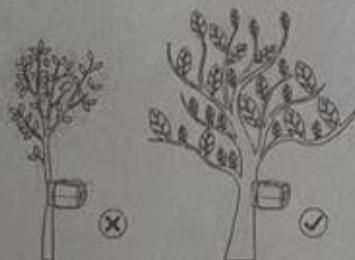
When the monitoring object is vehicle, it is better to install the sensor at a distance of 0-30 feet from the road and 3-5 feet from the ground and adjust the angle of the sensor.



After choosing the best position according to the operating environment, fix the bracket with screws according to the position of the screw hole, and then face up the solar photovoltaic panel of the sensor and adjust the sensor angle.



• Wireless driveway sensor installation precautions



1. Please install the sensor in a fixed area. Avoid the installation position in which is shaken or shaken by wind.



2. Please face the sensor towards an open area. Do not face the sensor towards the area where there are frequent object movements, (e.g. trees, crowds)

• Product parameters

Solar Driveway Sensor	
Size	4*3*3.15 inch
Charging Voltage	DC 5V1A
Battery Capacity	3.7V 1200mAH
USB Charging Time	≤4 hours
Working Current	≤ 100mA
Working Time	About 45 days
Solar Panel Current	50mA
Detection Distance	Low ≤26 feet Hi ≤50 feet (Detection distance varies by ambient temperature and other factors)
Detection Angle	≤120°
Detection Angle with Shielding Case	≤30°
Transmission Frequency	433.92MHZ±200KHZ
Transmission Distance	≤3000 feet
Waterproof Rating	IP 65

Wireless Receiver	
Size	3.5*3.5*1.61 inch
Charging Voltage	DC 5V1A
Battery Capacity	3.7V 1000mAH
Melody	36 tingtones
Volume	0-30-70-110dB
Receivers Frequency	433.92MHZ±200KHZ
Received Distance	≤3000 feet

• Troubleshooting

Receiver doesn't work	<ol style="list-style-type: none"> 1. Check whether if the wireless driveway sensor and wireless receiver match successfully. 2. Check whether if the wireless driveway sensor switch is power on. 3. Check whether if the wireless driveway sensor is low battery. 4. Check whether if the induction area of the wireless driveway is aligned with the desired detection range.
Receiver false ring	<ol style="list-style-type: none"> 1. Check if there are high frequency products nearby. (e.g. WIFI, power station, etc.) 2. Try to reduce the angle of shield to reduce the sensing area.

FCC Caution.

§ 15.19 Labelling requirements.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

§ 15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§ 15.105 Information to the user.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.