Swann™

Advanced-Series

Driveway Alert

MDRIVEA050612E

Operating Guide

Long driveway? Security conscious? Live near a busy road and can never tell if that someone's wandering up the drive? Is that car driving up your driveway, or just passing by? Presenting the *Driveway Alert* from *Swann*, the unique device which will let you know when people are coming to visit!

How does it work?

Basically, there are two parts to the *Driveway Alert* system.

The **Outdoor Unit** contains a passive infrared (PIR) sensor, which detects the moving heat created by an automobile's engine (or any other noticeably hot object moving at sufficient speed). It also contains a miniature radio transmitter, which sends a signal to the Indoor Unit. The Outdoor Unit should be deployed outdoors, where it will have a clear view of the driveway.

The **Indoor Unit** mounts inside your home (or business, warehouse, shed, aircraft hangar, secret underground submarine docking station – wherever you need it, really, provided it's within range of the outdoor unit). It contains a series of LEDs and a small buzzer to let you know when the outdoor unit detects motion.

Operating Guide

There are two switches on the Indoor Unit. They operate as follows:

***ON / OFF*:** As the name suggests, this switch turns the Indoor Unit ON or OFF.

To "Pair" the two units: Insert the battery in the outdoor unit and set the unit down next to you. Insert the batteries in the indoor unit and turn the switch to ON, then wave your hand in front of the outdoor unit to "trigger" the chime. Once you hear the chime, the units are "Paired" and will ignore other units nearby.

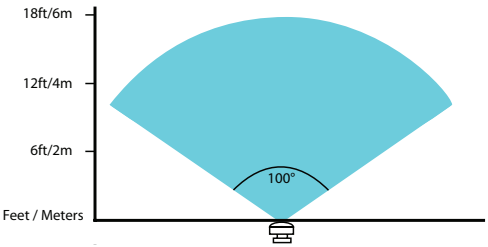
***HI / LO*:** Changes the volume of the chime between high (HI) volume and low (LO) volume.

Placement Guide

To know exactly where you should place the Outdoor Unit, and which way you should aim the PIR, it's worth thinking about how the PIR sensor works, the range and area it can cover, as well as what may "fool" it into generating a false reading.

The PIR is, as its name suggests, a passive sensor (unlike a security camera with IR LEDs for night vision, which is active infrared). Basically, all objects emit some infrared radiation (we commonly call it "heat") and the sensor looks for any of this radiation which moves.

The upshot of the passive sensor is the low battery consumption – batteries last up to months at a time, much longer than active infrared systems.



Technical Specifications

Outdoor Unit	
Power Requirements	9V (1 x 9V battery - *not included*)
PIR Sensor Viewing Area	Approx. 100° Horizontal
PIR Sensor Range	18ft / 6m approx. (*varies by local conditions*)
Transmission Range	Up to 200ft / 65m approx. (*varies by local conditions*)
Indoor Unit	
Power Requirements	4.5V (3 x "C" batteries - *not included*)
Chime Volume	Approx. 90dB

Installing/Replacing Batteries

*The **Outdoor Unit** requires 1 x 9V battery.*

- Remove the Outdoor Unit from its mounted position.
- Remove the two screws on the rear of the Outdoor Unit, which secure the battery compartment cover in place.
- Safely and responsibly dispose of the old battery (if applicable).
- Connect a new 9V battery.
- Replace the battery compartment cover, securing screws and re-mount the Outdoor Unit. When replacing the battery cover, ensure that it makes complete contact with the silicone seal lining the battery compartment. If moisture is able to enter the Outdoor Unit, it will adversely affect performance dramatically.

*The **Indoor Unit** requires 3 x C batteries.*

- Remove the Indoor Unit from its mounted position.
- Remove the screw on the rear of the unit.
- Safely and responsibly, dispose of any old batteries.
- Insert three fresh C batteries. Don't mix old and new batteries.

General Guidelines

- Re-Pair the units after replacing batteries
- For the best ongoing performance, we recommend using only fresh, high-quality, alkaline batteries.

Tips & Tricks: The PIR sensor is not infallible. In particular...

1. The sensor can't detect anything which is the same temperature as their backgrounds. For example, a car which hasn't been running long (and is, thus, the same temperature as its surroundings) may go unnoticed. This should, however, be unlikely.
2. Any moving heat source can trigger the sensor. For example, a moving shadow on a sunny day may trigger the sensor, or the sun coming out from behind clouds. False triggers should be rare, but will occasionally occur.
3. Pedestrians, animals or any other large heat source can trigger the sensor, so avoid busy pathways or sidewalks.

Therefore, try to aim the sensor towards an evenly lit and heated view with a minimum of shifting lighting or moving objects.

Ideally, the sensor should only see your driveway, and the only moving object(s) in front of the camera should be the car(s) or person(s) you want to detect.

Using a Power Supply - OPTIONAL: Recommended for Advanced Users Only

There is a DC input jack on the top right hand side of the Indoor Unit. You can connect a power adapter to this port, provided it matches the power requirements as specified.

The power requirements are: 6V, 500mA (Centre pin +)

- Most good electronics stores will have power adapters suitable for the Driveway Alert system.
- Be sure to match the power requirements exactly. Using anything other than a 6V power adapter will have undesirable (and potentially dangerous) results (not the least of which will be to **void your warranty**).
- Don't cut, open or modify any electrical equipment, cables or housings.
- Use only an adapter suitably rated for the intended purpose.
- Be extremely careful if running electrical cabling - depending on your locality, it may be illegal to perform this work yourself. If in any doubt, always hire a qualified professional.

Don't use batteries and the DC input at the same time: there is a risk of battery leakage or explosion.
*Remove any batteries **before** connecting the DC input!*

Helpdesk / Technical Support Details

Swann Technical Support

All Countries E-mail: tech@swannsecurity.com

Telephone Helpdesk

USA toll free
1-800-627-2799
(Su, 2pm-10pm US PT)
(M-Th, 6am-10pm US PT)
(F 6am-2pm US PT)

USA Exchange & Repairs
1-800-627-2799 (Option 1)
(M-F, 9am-5pm US PT)

AUSTRALIA toll free
1300 138 324
(M 9am-5pm AUS ET)
(Tu-F 1am-5pm AUS ET)
(Sa 1am-9am AUS ET)

NEW ZEALAND toll free
0800 479 266

UK
0203 027 0979

See http://www.worldtimeserver.com for information on time zones and the current time in Melbourne, Australia compared to your local time.

Warranty Information

Swann Communications USA Inc.
12636 Clark Street
Santa Fe Springs CA 90670
USA

Swann Communications
Unit 13, 331 Ingles Street,
Port Melbourne Vic 3207

Swann Communications LTD.
Stag Gates House
63/64 The Avenue
SO171XS United Kingdom

Swann Communications warrants this product against defects in workmanship and material for a period of one (1) year from it's original purchase date. You must present your receipt as proof of date of purchase for warranty validation. Any unit which proves defective during the stated period will be repaired without charge for parts or labour or replaced at the sole discretion of Swann. The end user is responsible for all freight charges incurred to send the product to Swann's repair centres. The end user is responsible for all shipping costs incurred when shipping from and to any country other than the country of origin.

The warranty does not cover any incidental, accidental or consequential damages arising from the use of or the inability to use this product. Any costs associated with the fitting or removal of this product by a tradesman or other person or any other costs associated with its use are the responsibility of the end user. This warranty applies to the original purchaser of the product only and is not transferable to any third party. Unauthorized end user or third party modifications to any component or evidence of misuse or abuse of the device will render all warranties void.

By law some countries do not allow limitations on certain exclusions in this warranty. Where applicable by local laws, regulations and legal rights will take precedence.

For Australia: Our goods come with guarantees which cannot be excluded under Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to major failure.

FCC Verification

This equipment has been tested and found to comply with the limits for 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 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 the 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

WARNING: Modifications not approved by the party responsible for compliance could void user's authority to operate the equipment.