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Nest Detect
User's Guide

Contents

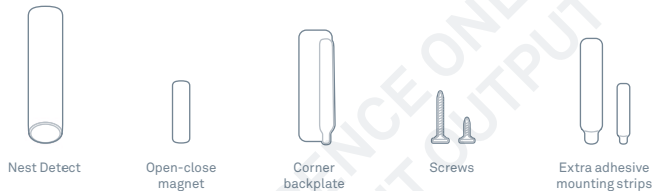
In the box	4
Set up with the app	5
Meet Nest Detect	6
How Nest Detect works	7
Where you can place it	8
Dog Pass	9
Installation tips	10
Features	12
Operation	13
Safety and useful information	14
FCC compliance	16
Warranty	17

Want help?

Go to nest.com/support for installation videos and troubleshooting.
You can also find a Nest Pro to install your Nest Detect.



In the box.



SYSTEM REQUIREMENTS

To use Nest Detect, first you'll need to set up Nest Guard and add it to your Nest Account. You'll need a compatible iOS or Android phone or tablet with Bluetooth 4.0, and a Wi-Fi 802.11 a/b/g/n (2.4GHz or 5GHz) network connection. Go to nest.com/requirements for more information. Nest Detect must be placed within 50 feet (15 m) of Nest Guard.

Set up Nest Detect with the Nest app.

IMPORTANT: Be sure your Nest Guard is already set up and connected to the internet before you set up Detect.



1

Open the Nest App.



2

Tap the Add button.

Don't see a ?
Tap the .



3

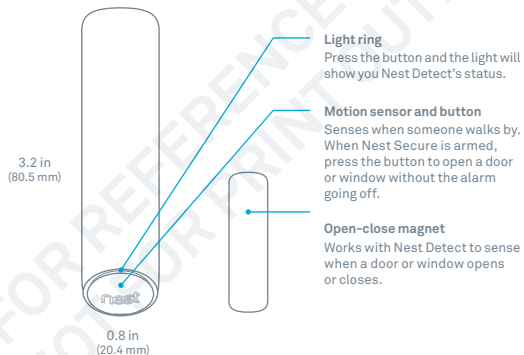
Follow the app instructions.

Want to see how it's done?

Go to nest.com/installsecure for installation videos and additional tips.

Meet Nest Detect

Nest Detect can tell you what's happening in your home. Its sensors detect when doors and windows open and close, or when someone walks by. When it notices something, it will let Nest Guard know to sound an alarm. You can also get an alert sent to your phone, so you'll know what's happening when you're away.

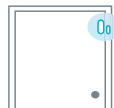


How Nest Detect works

Nest Detect will sense different things depending on where you place it.

On a door

Nest Detect can sense when a door opens or closes, or when someone walks nearby.



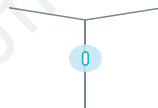
On a window

Nest Detect can sense when a window opens or closes.



On a wall

Nest Detect can sense when someone walks nearby.



On a door

On a window

On a wall

Detects motion in a room or hallway



Detects open-close (Requires open-close magnet)



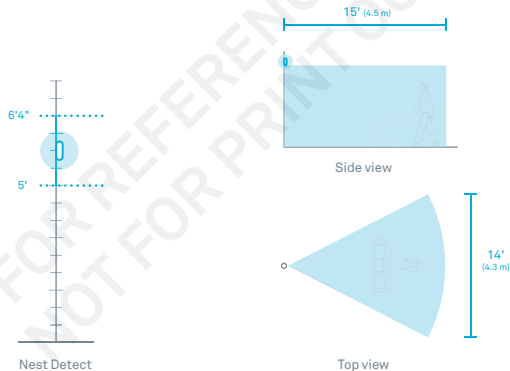
Where you can place Nest Detect

Mounting height

Nest Detect must be mounted 5 feet to 6 feet 4 inches (1.5 to 2 m) above the floor. If you mount it higher or lower, the detection range decreases, and you may also experience false alarms.

Standard detection area

Nest Detect can sense motion from people walking up to 15 feet (4.5 m) away.



Dog Pass

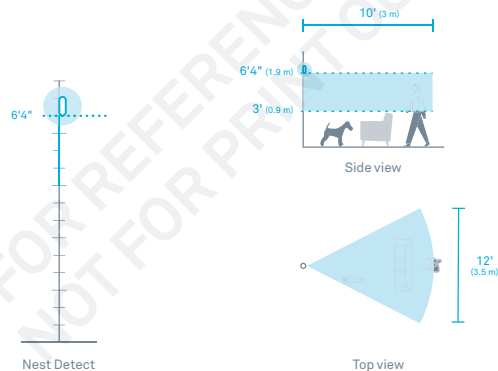
If you have a dog under 40 pounds (18 kg), turn on Reduced Motion Sensitivity in the Nest app settings to help avoid false alarms. There are different installation requirements and motion detection ranges when using Reduced Motion Sensitivity.

Mounting height

Nest Detect should be mounted **exactly** 6 feet 4 inches (1.9 m) above the floor.

Reduced Motion Sensitivity detection area

Nest Detect can sense motion from people walking up to 10 feet (3 m) away.



Installation tips

Use the Nest app

During setup, the Nest app will show you where to put Nest Detect and its open-close magnet so they work properly. Here are more things to consider before you install Nest Detect on a wall, window or door.

Mounting with adhesive strips

Nest Detect and the open-close magnet should be installed on smooth, flat surfaces only.

1. Make sure the surface is clean and dry.
2. Peel the protective cover off the adhesive strip.
3. Press evenly with your palm and hold in place for at least 30 seconds.

The adhesive strips shouldn't be used on surfaces painted with low-VOC or zero-VOC paint or any surfaces not listed on page 15.

IMPORTANT: Nest Detect's adhesive strips are very strong and can't be easily repositioned. Before you press and hold it for 30 seconds, be sure Nest Detect is straight and in the right spot.

Mounting with screws

Install Nest Detect with screws if your walls, windows or doors have rough surfaces, are contoured or dirty, are prone to heat or high humidity, or are painted with low-VOC or zero-VOC paint. For best results use a Phillips #2 screwdriver.

1. Remove Nest Detect's mounting backplate and you'll see the screw hole.
2. Remove all the adhesive material from the backplate.
3. Screw the backplate onto the surface. Drill a 3/32" pilot hole first if you're attaching it to wood or other hard material.
4. Snap the Nest Detect onto its backplate.

To install the open-close magnet:

1. Snap off the backplate and you'll see the screw hole.
2. Remove all the adhesive material from the backplate.
3. Screw the backplate onto the surface. Drill a 1/16" pilot hole first if you're attaching it to wood or other hard material.
4. Snap the open-close magnet onto its backplate.

Installing Nest Detect on a door or window

- Nest Detect should only be installed indoors.
- Install Nest Detect on the upper corner of a door or window with the Nest logo right side up.
- Nest Detect should be attached horizontally on vertical double-hung windows.
- Make sure you choose a spot for Nest Detect where the magnet can also fit. They need to be installed close together to sense when doors and windows open or close.

IMPORTANT: Nest Detect should only be installed indoors.

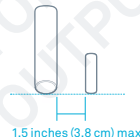
Orienting Nest Detect for motion detection

When installing Nest Detect on a door or wall, the Nest logo must be upright to detect motion.

Installing the open-close magnet

- Install the magnet on the door or window frame inside the room. You'll know it's in the right spot when the Nest Detect light ring turns green.

- The magnet should be aligned with the bottom of Nest Detect and placed within 1.5 inches (3.8 cm) of Detect when the door or window is closed, as shown in the image to the below.



Installing Nest Detect on a wall

- Choose a flat spot on the wall or in a corner of a room. For more information on mounting heights refer to page 8.
- Make sure Nest Detect is pointed toward the area you want to keep track of. For more information on motion detection range, refer to page 8.
- To install Nest Detect in a corner, take off the flat backplate and use the included corner backplate for installation.

Features

Quiet Open

When the security level is set to Home and Guarding, you can use Quiet Open to open a door or window without the alarm going off. Press the button on the Nest Detect that you want to use. The light ring will turn green, and you'll have 10 seconds to open it. Your Detect will automatically re-arm when you close the door or window.

Quiet Open is off by default. You'll need to turn it on with the Nest app in the Settings menu.

Pathlight

When you walk by Nest Detect in the dark, Pathlight turns on to help light your way. Using Pathlight may decrease Nest Detect's battery life, so you can change the brightness or turn it off with the Nest app.

Pathlight is off by default. You'll need to turn it on with the Nest app in Nest Detect's Settings menu.

Dog Pass

If you have a dog under 40 pounds (18 kg), you can turn on Reduced Motion Sensitivity with the Nest app to help prevent false alarms caused by your dog. For more information, see page 9.

Tamper detection

If someone tampers with Nest Detect and removes it from the backplate, the Nest app will send you an alert to let you know.

Operation

How to test your Nest Detect

You should test your Nest Detect at least once each year. To check to make sure open/close detection or motion detection is working on your Nest Detect, follow these instructions.

1. Tap the gear icon in the upper right corner of the Nest app home screen.
2. Select the Nest Detect you want to test from the list.
3. Select "Check setup" and follow the app instructions. It will walk you through opening and closing your door or window, or testing motion detection in the room.

Restart

If your Nest Detect loses its connection to the Nest app, or the light ring glows yellow when you press the button, it might help to restart it. Just press and hold the button for 10 seconds.

Reset to factory settings

If you remove Nest Detect from your Nest Account, you must reset it to factory settings before it can be used again. To reset:

1. Set Nest Secure to Off, or the alarm will sound when you reset Detect.
2. Press and hold down Nest Detect's button until the light ring pulses yellow (around 15 seconds).
3. Release the button when the light ring pulses yellow.

Check for updates

Nest Detect will automatically update its software, but you can manually check for updates if you want.

1. Disarm Nest Secure.
2. Press Detect's button and release it.
3. Press the button again and hold it down. Release it when the light blinks blue.
4. Detect will begin automatically updating its software and turn off the light when finished.

How to check Detect's status

Just press the button and the light ring will tell you if Nest Detect is working and connected to Nest Guard.

What you see		What it means
	BLUE pulse	Nest Detect is working right.
	GREEN pulse	If enabled, Quiet Open can be used on this door or window.
	YELLOW pulses	There's a problem with Nest Detect. Check the Nest app for more information. It could mean a few things: • The battery has less than 30 days left. • Nest Detect needs to be recalibrated. • There's an issue with Detect's hardware.
	BLUE pulses	Nest Detect hasn't been set up and added to your Nest Account.
	RED blinking	Unpaired, and critical battery

Safety and useful information

Special considerations

- In some installations the magnet may need to travel up to 1.97" (50 mm) for Nest Detect to detect that a door or window is open.
- Don't install Nest Detect outdoors.
- Don't install Nest Detect in a garage.
- Don't install Nest Detect on glass.
- Nest Detect can't detect motion through glass, like if someone's moving outside a window.
- Don't install where Nest Detect could get wet, like swing-out windows that could be rained on.
- Don't install Nest Detect or the open-close magnet where pets or young children can reach them.
- Don't expose the adhesive mounting strips to oils, chemicals, refrigerants, soaps, X-rays or sunlight.
- Don't paint any part of Nest Guard, Detect or Tag.
- Don't install Nest Detect near magnets other than the open-close magnet. They'll interfere with Nest Detect's open-close sensors.
- Don't install Nest Detect within 3 feet (1 m) of a heat source like an electric heater, heat vent or fireplace or another source that may produce turbulent air.
- Don't install Nest Detect behind large appliances or furniture that may obstruct its motion sensors.

Maintenance

- Nest Detect should be cleaned once every month. If the motion sensor gets dirty, the detection range could decrease.
- To clean, wipe with a damp cloth. You can use isopropyl alcohol if it gets really dirty.
- Make sure Nest Detect senses motion after cleaning. Follow the testing instructions in the Nest app.

Temperature considerations

Nest Detect is meant to be used indoors in temperatures of 0°C (32°F) to 40°C (104°F) up to 93% humidity.

Battery replacement

The Nest app will notify you when a Detect's battery gets low. Remove the battery and replace it with another Energizer CR123 or Panasonic CR123A 3V lithium battery.

To open the battery compartment:

- If Nest Detect is mounted to a surface, grip the top and pull it firmly toward you.
- If Nest Detect is not mounted to a surface, use a flathead screwdriver to pry off the backplate.

Troubleshooting offline issues

If one or more Detects are listed as offline in the Nest app after installation, they may be too far from Guard to connect. You can install a Nest Connect (sold separately) to bridge the gap, or try moving your Detects and Guard closer together.

False alarms

The following may cause unintended alarms:

- Pets that walk, climb or fly above 3 feet (1 m)
- Pets heavier than 40 pounds (18 kg)
- Heat sources like electric heaters, heat vents and fireplaces
- Cold sources like drafty windows, air conditioners and AC vents
- Curtains near windows that may move while Nest Guard is armed
- Direct sun exposure: the front of Nest Guard and Nest Detect should not be placed in direct sunlight
- Party balloons left unattended: they may drift into the field of view of your sensors
- Insects that may come very close to the sensor
- Vibration or movement caused by pets bumping Nest Guard when it's set to Away and Guarding
- Wireless access points within 3 feet (1 m) of Nest Detect.

▲ WARNING

Wireless communications

- Nest Guard and Nest Detects are engineered to communicate with each other if they're within 50 ft of each other in a home.
- Some features of a home may reduce the effective range, including the number of floors, number and size of rooms, furniture, large metallic appliances, construction materials, and other features like suspended ceilings, ductwork and metal studs.
- Nest Guard's and Nest Detect's specified range is for comparative purposes only and may be reduced when installed in a home.
- Wireless transmissions between buildings will not work and the alarms will not communicate properly.
- Metal objects and metallic wallpaper may interfere with signals from wireless alarms. Test your Nest products first with metal doors opened and closed.
- Nest Guard and Nest Detect have been specifically designed and tested to comply with the standards for which they are Listed. While Nest's wireless network may route signals through other Nest or other Thread-compatible products* to optimize network reliability, you need to ensure every Nest Detect can communicate with Nest Guard directly.

To make sure Nest Detect can directly communicate to Nest Guard, completely power off your other Nest or other Thread-compatible products before installing or relocating Nest Detect. Nest Detect will flash yellow 5 times during installation if it cannot directly communicate to Nest Guard. Nest Detect's light ring will pulse green when it's connected to Nest Guard. To learn more about powering off your Nest or other Thread-compatible products, please see the user guides included with your devices, or support.nest.com, for more information.

*Search for A0024 (Nest Guard) and A0028 (Nest Detect) in the UL Certification Directory (www.ul.com/database) to see the list of products evaluated by UL to route signals on the same network as Nest Guard and Nest Detect.

▲ WARNING

This product contains (a) small magnet(s). Swallowed magnets can cause choking. They can also stick together across intestines causing serious infections and death. Seek immediate medical attention if magnet(s) are swallowed or inhaled. Keep out of reach of children.

Product Information

Model: A0028

FCC ID: ZQAH11

Certification: UL 639, UL 634

Additional certification details

Nest Guard and Nest Detect were designed to meet rigorous UL security standards, and were tested for compliance by Underwriters Laboratories for residential use only. Nest Guard was evaluated by UL for use as a burglar alarm control panel and PIR intrusion detector. Nest Detect was evaluated by UL as a magnetic contact switch and a PIR intrusion detector.

To meet UL specifications, please enable Limited Settings within the app and install Nest Guard and Nest Detect as the primary means of intrusion detection within the protected area of the household. Enabling Limited Settings limits No Rush arm time to 120 seconds maximum and disarm time to 45 seconds maximum, and allows you to arm with a passcode. Nest Guard will also provide an audible warning tone once per minute when there is an issue that needs attention.

For UL certified installations the adhesive is suitable for use on Galvanized steel, Enameled steel, Nylon - Polyamide, Polycarbonate, Glass Epoxy, Phenolic - Phenol Formaldehyde, Polyphenylene ether/ Polystyrene blend, Polybutylene terephthalate, Epoxy paint, Polyester paint, Coated epoxy paint (Coating is 3M Adhesive Promoter 111), Acrylic urethane paint, Epoxy/Polyester paint.

Nest Detect in Reduced Motion Sensitivity mode has been evaluated by UL only for motion detection of people.

The UL certification of Nest Guard and Nest Detect does not include an evaluation of the Nest app, software updates, Nest Connect's use as a range extender, and Wi-Fi or cellular communication to the Nest Service or to a professional monitoring center.

Federal Communications Commission (FCC) compliance

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.

This device complies with part 15 of FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Change or modifications that are not expressly approved by the manufacturer could void the user's authority to operate the equipment.

RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm during normal operation.

Nest Labs, Inc. Limited Warranty Nest Detect

THIS LIMITED WARRANTY CONTAINS IMPORTANT INFORMATION ABOUT YOUR RIGHTS AND OBLIGATIONS, AS WELL AS LIMITATIONS AND EXCLUSIONS THAT MAY APPLY TO YOU.

1. WHAT THIS LIMITED WARRANTY COVERS; PERIOD OF COVERAGE

Nest Labs, Inc. ("Nest Labs"), 3400 Hillview Avenue, Palo Alto, California USA, warrants to the owner of the enclosed product that the product contained in this box ("Product") will be free from defects in materials and workmanship for a period of two (2) years from the date of delivery following the original retail purchase (the "Warranty Period"). If the Product fails to conform to this Limited Warranty during the Warranty Period, Nest Labs will, at its sole discretion, either (a) repair or replace any defective Product or component; or (b) accept the return of the Product and refund the money actually paid by the original purchaser for the Product. Repair or replacement may be made with a new or refurbished product or components, at Nest Labs' sole discretion. If the Product or a component incorporated within it is no longer available, Nest Labs may, at Nest Labs' sole discretion, replace the Product with a similar product of similar function. This is your sole and exclusive remedy for breach of this Limited Warranty. Any Product that has either been repaired or replaced under this Limited Warranty will be covered by the terms of this Limited Warranty for the longer of (a) ninety (90) days from the date of delivery of the repaired Product or replacement Product, or (b) the remaining Warranty Period. This Limited Warranty is transferable from the original purchaser to subsequent owners, but the Warranty Period will not be extended in duration or expanded in coverage for any such transfer.



For more information, visit nest.com



Please recycle packaging and used batteries responsibly.

Visit nest.com/recycle

2. TOTAL SATISFACTION RETURN POLICY

If you are the original purchaser of the Product and you are not satisfied with this Product for any reason, you may return it in its original condition within thirty (30) days of the original purchase and receive a full refund.

3. WARRANTY CONDITIONS; HOW TO GET SERVICE IF YOU WANT TO CLAIM UNDER THIS LIMITED WARRANTY

Before making a claim under this Limited Warranty, the owner of the Product must (a) notify Nest Labs of the intention to claim by visiting nest.com/support during the Warranty Period and providing a description of the alleged failure, and (b) comply with Nest Labs' return shipping instructions. Nest Labs will have no warranty obligations with respect to a returned Product if it determines, in its reasonable discretion after examination of the returned Product, that the Product is an Ineligible Product (defined below). Nest Labs will bear all costs of return shipping to owner and will reimburse any shipping costs incurred by the owner, except with respect to any Ineligible Product, for which owner will bear all shipping costs.

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This Limited Warranty gives you specific legal rights. You may also have other legal rights that vary by state, province, or jurisdiction. Likewise, some of the limitations in this Limited Warranty may not apply in certain states, provinces or jurisdictions. The terms of this Limited Warranty will apply to the extent permitted by applicable law. For a full description of your legal rights you should refer to the laws applicable in your jurisdiction and you may wish to contact a relevant consumer advisory service.

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