

# How to install your Nest Protect

You can easily install your Nest Protect in just a few minutes. Follow the steps in this article to learn how.

To get an overview of Nest Protect installation, you can watch our videos to walk you through the steps. The steps are different for 1st and 2nd generation Nest Protects.

You can also have a Nest Pro set up and install all your Nest Protects for you. **To set up and install your Nest Protect, you will need:**

- A Wi-Fi connection
- Your Wi-Fi password
- A phone or tablet (iOS or Android)
- A Phillips screwdriver

Before you begin, make sure you're aware of local regulations. Specific requirements for smoke alarm installation vary from country to country, and from region to region. Check with your local Fire Brigade for current requirements in your area.

## Select your Nest Protect

Each kind of Nest Protect has different installation instructions. Select the Nest Protect that you have (if you're not sure, you can find out [here](#)):

## 2nd gen wired Nest Protect

Before you install your Nest Protect on the ceiling or wall, set it up with the Nest app. Download the app from the [Apple App Store™](#) or [Google Play™](#) and create a free Nest Account. You can use a phone or tablet for setup.

### 1. Get the Nest app



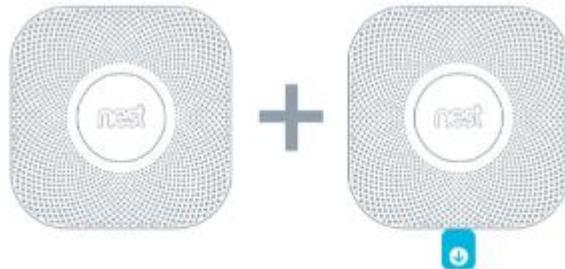
**Important:** If you already have the Nest app installed on your smartphone or tablet, make sure it's the latest version before setting up your Nest Protect.



## 2. Set up Nest Protect

The Nest app will guide you through each step: scanning the Nest Protect QR code, connecting it to the Internet, and connecting it to other Nest Protects in your home.

**Tip:** Set everything out on a table for easy setup.



## 3. Have more Nest Protects?

The Nest app will ask you if you have additional Nest Protects to set up. If so, it'll take you through a faster setup. Be sure to keep all your Nest Protects together until they're all set up and ready to be installed.

**Tip:** Your Nest Protect came packed in a clear plastic dust cover. Keep the cover on so your Nest Protect stays clean until you install it.

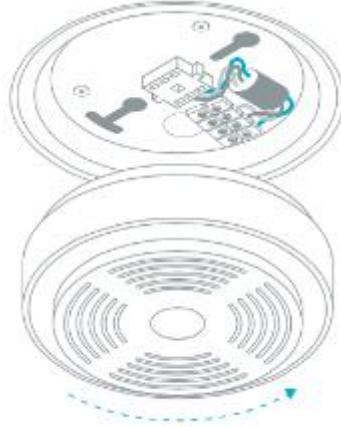


#### 4. Turn off the mains power

Fuse box

Protect yourself and avoid blowing a fuse. Switch off the correct circuit breaker for the room where you are installing Nest Protect or remove the fuse from the fuse box.

**Warning:** Failure to turn off power may result in serious electrical shock, injury, or death.

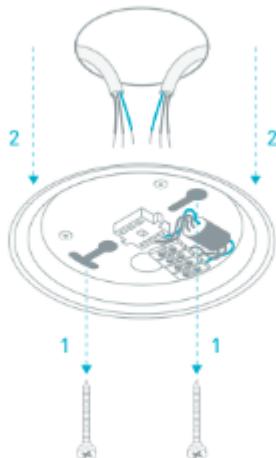


#### 5. Remove your old smoke alarm (if you have one)

**Note:** If you don't have an old smoke alarm, skip to step 8.

To prevent electrical shock, make sure that the green power light is off on the alarm. You may have to twist the alarm to release it. Remove it carefully to avoid damaging your ceiling or wall. There will be two or four conductors attached to the old backplate. Disconnect them all.

**Tip:** Your old smoke alarm might make a loud noise when you disconnect it.



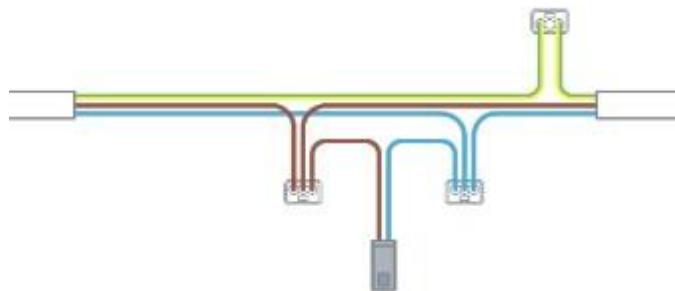
## 6. Remove the old backplate

Unscrew the back plate from the ceiling or electrical box. Save the screws for installing the Nest back plate later. You'll see one or two wires coming from the ceiling.

- Live wire (brown or marked L)
- Neutral wire (blue or marked N)
- Earth wire (yellow and green), if present
- Interconnect wire (usually black), if present

Each wire in the ceiling or wall will have two to four differently coloured conductors. Their colours may vary based on their age. If you are in the Netherlands, the interconnect conductor is usually coloured orange.

## 7. Attach the Nest connector

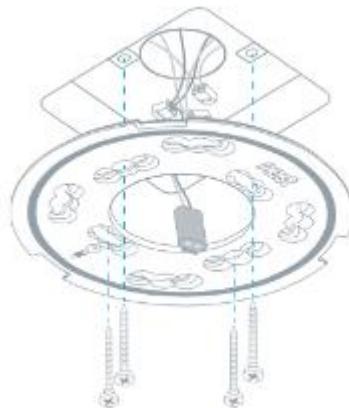


Match the live wires coming from the ceiling to the live wires in the Nest 230V AC connector and put them into a connector block. All the neutral wires go into another connector block, and the earth wires into a third terminal block.

There is no need for the interconnect conductor, as Nest Protects are wirelessly interconnected. If you are replacing **all** of your alarms with Nest Protects, connect all of the interconnect conductors to earth. If you are keeping **some** of your current alarms, they won't be able to connect to Nest Protect, but they'll still need the interconnect conductors to communicate with each other. Connect the interconnect conductors together with their own connector block. You may need an additional connector block.

Be sure that you comply with local wiring regulations in your area.

**Warning:** Mixing the live and neutral connections when connecting alarms will damage all the alarms - ensure that the same colours are used throughout the premises for live, neutral and interconnect wires (if present).

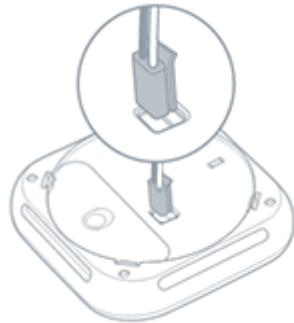


## 8. Install the Nest backplate

Screw the Nest back plate to the existing electrical box, reusing the existing screws. (You can also screw the back plate directly into the wall or ceiling with the Nest screws.) The Nest screws are self-tapping, so there's no need to drill pilot holes in wood, plaster and other relatively soft materials.

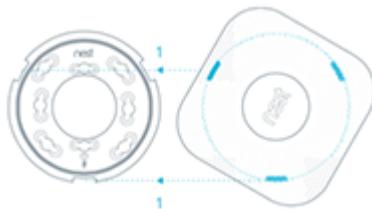
**Tip:** All smoke alarms prefer to live in a dust free area, so remove any dust before you install Nest Protect.

## 9. Connect power



Plug the 230V connector into the back of your Nest Protect.

**Tip:** If the electrical wiring box is recessed and isn't flush with the wall or ceiling, use the dry wall screws that are included in the Nest Protect (Wired 230V) box and attach the backplate directly to the ceiling



## 10. Install your Nest Protect

Tuck any excess wiring into the electrical box first. Hold Nest Protect against the backplate and turn it clockwise. You'll feel the tabs drop into place and grip the backplate. Continue turning until it's square with the wall or ceiling. Install the rest of your Nest Protects if you have more.

**Tip:** To remove it (for cleaning or battery replacement), turn off power to your Nest Protect at the fuse box or remove the fuse first. Then turn it anticlockwise until it disconnects from the backplate.

## 11. Switch mains power back on or replace the fuse



Fuse box



Press the Nest button on one Nest Protect. It will tell you what to do next. Every Nest Protect in the house should speak up,

**12. Press to test** confirming that they're connected to each other.

**Important note:** If one of your Nest Protects doesn't speak up or sound its alarm during the test, try moving it closer to your other Nest Protects and testing again. It should be located within 15 meters of another Nest Protect, but its range may be affected by your home's construction or interference from other wireless electronics.

If it still doesn't speak up during the test, reset it to defaults and add it to your Nest Account again.

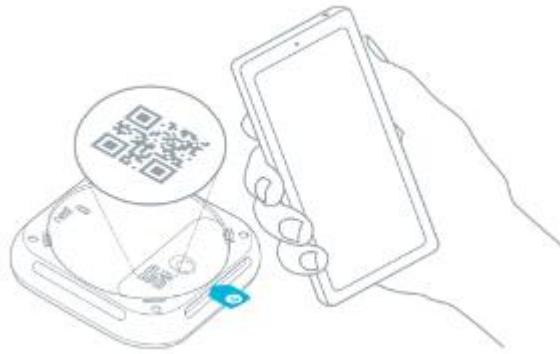
## 2nd gen battery powered Nest Protect

Before you install your Nest Protect on the ceiling or wall, set it up with the Nest app. Download the app from the [Apple App Store™](#) or [Google Play™](#) and create a free Nest Account. You can use a phone or tablet for setup.

**1. Get the Nest app**



**Important:** If you already have the Nest app installed on your smartphone or tablet, make sure it's the latest version before setting up your Nest Protect.

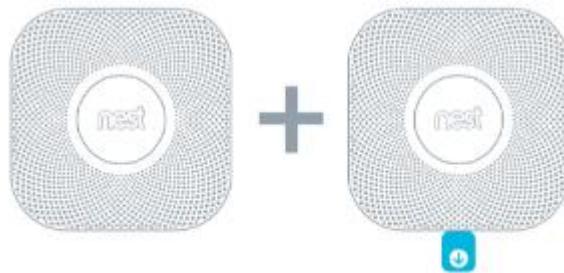


## 2. Set up Nest Protect

The Nest app will guide you through each step: scanning the Nest Protect QR code, connecting it to the Internet, and connecting it to other Nest Protects in your home.

**Tip:** Lay everything out on a table for easy setup.

[How to set up a 2nd gen Nest Protect with the Nest app >](#)

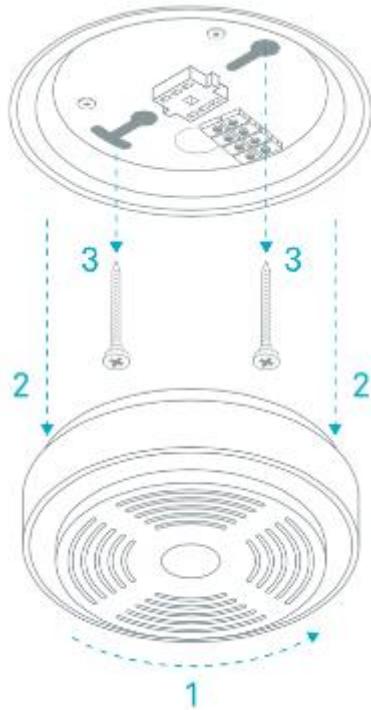


## 3. Have more Nest Protects?

The Nest app will ask you if you have additional Nest Protects to set up. If so, it'll take you through a faster setup. Be sure to keep all your Nest Protects together until they're all set up and ready to be installed.

**Tip:** Your Nest Protect came packed in a clear plastic dust cover. Keep the cover on so your Nest Protect stays clean until you install it.

**4. Remove  
your old  
smoke alarm  
(if you have  
one)**

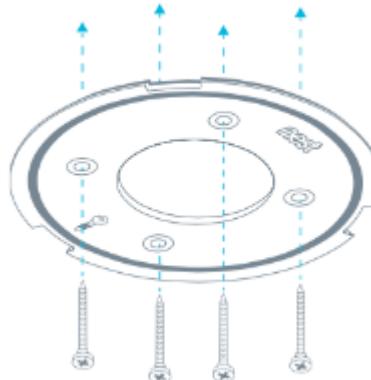


**Note:** If you don't have an old smoke alarm, skip to the next step.

You may have to twist the alarm to release it. Remove it carefully to avoid damaging your ceiling or wall. Unscrew and remove the back plate if there is one.

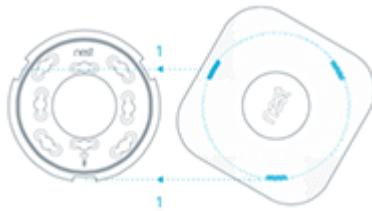
**Tip:** Your old smoke alarm might make a loud noise when you disconnect it.

**5. Install Nest  
backplate**



Screw the Nest back plate directly into the wall or ceiling with the Nest screws. The Nest screws are self-tapping, so there's no need to drill pilot holes in wood, plaster and other relatively soft materials.

**Tip:** All smoke alarms prefer to live in a dust free area, so remove any dust before you install Nest Protect.



## 6. Install your Nest Protect

Hold Nest Protect against the backplate and turn it clockwise. You'll feel the tabs drop into place and grip the backplate. Continue turning until it's square with the wall or ceiling. Install the rest of your Nest Protects if you have more.

**Tip:** To remove your Nest Protect (for cleaning or battery replacement), turn it counterclockwise until it disconnects from the backplate.



## 7. Press to test

Press the Nest button on one Nest Protect. It will tell you what to do next. Every Nest Protect in the house should speak up, confirming that they're connected to each other.

**Important note:** If one of your Nest Protects doesn't speak up or sound its alarm during the test, try moving it closer to your other Nest Protects and testing again. It should be located within 15 meters of another Nest Protect, but its range may be affected by your home's construction or interference from other wireless electronics.

If it still doesn't speak up during the test, reset it to defaults and add it to your Nest Account again.