












# OPERATING INSTRUCTIONS

When the Nest Protect smoke and carbon monoxide (CO) alarm has something to say, it will speak to you in words and colors instead of just beeping. It has two kinds of alerts: Heads-Up and Emergency Alarms.

- Nest Protect can see smoke or carbon monoxide levels rising. So before it turns on an Emergency Alarm, Nest Protect gives you a friendly spoken Heads-Up to warn you in advance. It pulses yellow and speaks to you, telling you what and where the danger is.
- When smoke or carbon monoxide reach dangerous levels, Nest Protect tells you where the emergency is and pulses red, in addition to making a loud alarm sound. This is an Emergency Alarm.

	WHAT YOU HEAR	WHAT YOU SEE ON NEST PROTECT	WHAT IT MEANS	WHAT TO DO
SETUP	"READY. PRESS TO TEST."	 BLUE rotates.	To setup or run a manual test.	Press the Nest button. Nest Protect will walk you through next steps.
ALERTS	"HEADS-UP. THERE'S SMOKE IN THE (ROOM NAME). THE ALARM MAY SOUND."	 YELLOW pulses.	Smoke levels are rising.	Stand under Nest Protect and press the Nest button to hush the alert. Then put out the source of the smoke.
	"HEADS-UP. THERE'S CARBON MONOXIDE IN THE (ROOM NAME). THE ALARM MAY SOUND."	 YELLOW pulses.	Carbon monoxide levels are rising. This Heads-Up will occur if carbon monoxide levels stay at 70ppm for 60-240 minutes.	Stand under Nest Protect and press the Nest button to hush the alert. Open a window or door to get fresh air, then find the CO leak and stop it
	(ALARM SOUND) "EMERGENCY. THERE'S SMOKE IN (ROOM NAME)."	 RED pulses.	The smoke in the room has reached emergency levels.	Get out of the house immediately.
	(ALARM SOUND) "EMERGENCY. THERE'S CARBON MONOXIDE IN (ROOM NAME). MOVE TO FRESH AIR NOW."	 RED pulses.	The carbon monoxide in the room has now reached emergency levels.	1) Operate reset/silence button (NEST button). 2) Call your fire dept. or 911. 3) Move to fresh air. 4) Do not reenter the premises until the emergency services tell you to. Refer to page 25 for complete instructions.

	WHAT YOU HEAR	WHAT YOU SEE ON NEST PROTECT	WHAT IT MEANS	WHAT TO DO
EVERY DAY		 GREEN light above the Nest logo.	Nest Protect is working. The green light means AC power is connected.	
		 You turn off the room lights for the night, and the GREEN light pulses once.	Nest Protect has tested its sensors and batteries to confirm they are working correctly.	Sleep well.
		 WHITE light.	Pathlight lights your way at night as you pass under it.	
SILENCING	"SMOKE ALARM HAS BEEN HUSHED."	 YELLOW or RED pulses.	You've hushed an alert. Nest Protect will now keep quiet, unless smoke or carbon monoxide reaches dangerous levels.	Make sure you're safe and have put out the source of smoke or carbon monoxide.
	"CARBON MONOXIDE ALARM HAS BEEN HUSHED."			
TROUBLE SIGNALS	"THE BATTERY IS LOW IN THE (ROOM NAME). REPLACE THE BATTERY SOON."	 YELLOW pulses.	Low battery.	Change the batteries of Nest Protect soon.
	"THE BATTERY IS VERY LOW IN THE (ROOM NAME). REPLACE THE BATTERY NOW." SINGLE CHIRP EVERY 60 SECONDS.	 YELLOW pulses.	Nest Protect batteries have been depleted. It will chirp.	Change the batteries of Nest Protect now.
	"THE SENSORS HAVE FAILED IN THE (ROOM NAME). REPLACE NEST PROTECT NOW." SINGLE CHIRP EVERY 60 SECONDS.		Nest Protect has tested its sensors and there is a problem. It will chirp.	Clean with compressed air. If the problem persists, replace it.
	"NEST PROTECT HAS EXPIRED. REPLACE IT NOW." TWO CHIRPS EVERY 60 SECONDS.		Nest Protect has expired and reached its end of life.	Replace Nest Protect.

## HEADS-UP AND EMERGENCY ALARMS

### ALERTS

Nest Protect has two kinds of voice alerts: Heads-Up and Emergency Alarms.

A Heads-Up is a friendly warning before conditions get dangerous. Nest Protect pulses yellow and tells you where smoke or carbon monoxide is.

An Emergency Alarm occurs when smoke or carbon monoxide reach dangerous levels. Nest Protect pulses red, makes a loud alarm sound and tells you what room the emergency is in. The smoke alarm takes precedence when carbon monoxide is also present.

### WHICH ALERTS CAN BE SILENCED

- Heads-Up alerts can be hushed by using the Nest button.
- Emergency Alarms cannot be hushed by using the Nest button if smoke reaches a critical level.
- Because there are many different types of fires, you may experience an Emergency Alarm without having first experienced a Heads-Up alert. This means that dangerous levels of smoke or CO occurred extremely quickly and Nest Protect must sound the Emergency Alarm.
- After the Nest Protects in your home are connected to each other, whenever there's a Heads-Up or an Emergency Alarm in one room, they will all tell you what and where the danger is. So go to that room and press the Nest button on the Nest Protect there to hush every Nest Protect in the home. This will ensure that you will identify the source of the danger in that room.

## WIRELESS INTERCONNECT

Nest Protects connect wirelessly to each other so that when one speaks, they all speak. That means when one Nest Protect raises any kind of alerts, every Nest Protect in the house will tell you in which room the smoke or CO is in. For example, if you're in the bedroom and the alarm goes off in the basement, the Nest Protect in the bedroom will speak up and relay that alarm so that you know where the danger is. To silence the alert, go to that room and press the Nest button on the Nest Protect there. That will hush every Nest Protect in the house.

Nest Protect's 120V connector does not have a red/orange/yellow wire for interconnect as it connects wirelessly. There's no need to connect any wire to the red/orange/yellow interconnect wire from the ceiling/wall.

Nest Protects can typically communicate with each other if they're 50 ft (15m) apart inside a home. Some features of a home may reduce their range, including the number of floors, number/size of rooms, furniture, type of building material, suspended ceilings, ductwork, large metallic appliances and metal studs. This kind of interference can be overcome by adding more Nest Protects that can route wireless signals around obstructions.

Nest Protect - Battery (model number 05A) and Nest Protect - Wired 120V (model number 05C) are compatible and can be interconnected wirelessly.

Nest Protect wireless interconnect will not work with other products from other brands.

### ⚠ WARNING

- The range and proper operation of any wireless device will vary depending on its surroundings.
- Nest Protect alarms are not to be used outdoors or to transmit between buildings. The alarms will not communicate properly in those conditions.
- Metal objects and metallic wallpaper may interfere with signals from wireless alarms. Test your Nest Protects with metal doors opened and closed.

### PATHLIGHT

Usually Nest Protect has its light turned off, but it will light your way as you walk underneath it in the dark. You can enable or disable Pathlight from the Nest Mobile app.

## TESTING NEST PROTECT

### SELF-MONITORING

Nest Protect continuously tests itself, so you don't have to wonder if it's working.

When you turn out the lights for the night, Nest Protect will glow green for a moment - that means everything is working. If it glows yellow, this means Nest Protect has detected something wrong that needs your attention. Just push the Nest button to hear its warning: either the batteries are low, Wi-Fi has been down or there is an issue with its sensors.

### TEST NEST PROTECT MANUALLY

Regulations require a weekly manual test.

After installation, test Nest Protect by pressing the Nest button twice. Before sounding the alarm, Nest Protect will give you a countdown so that you have time to move away from the alarm.

#### ▲ WARNING

DO NOT stand close to the alarm when the horn is sounding. Exposure at close range may be harmful to your hearing. When testing, step away when horn starts sounding.

### Test procedure

- Press the Nest button twice to start a test.
- Nest Protect will say: "This is only a test. The alarm may sound."
- Once the Nest Protect you've tested has made sure it's working, it'll tell you everything's okay.

If they are interconnected, every Nest Protect will speak up in the house. Walk to each one to make sure you hear them.

#### ▲ WARNING

- If the alarm ever fails to test correctly, have it replaced immediately! If the alarm is not working properly, it cannot alert you to a problem.
- DO NOT use a match, cigarette or any other makeshift fire to test the smoke alarm.
- To test the CO alarm, NEVER use vehicle exhaust! Exhaust may cause permanent damage and voids your warranty.
- NEVER use an open flame of any kind to test this alarm. You might accidentally damage or set fire to the unit or to your home. The built-in self test accurately tests the unit's operation as required by Underwriters Laboratories, Inc. (UL).

## GENERAL MAINTENANCE

### CLEANING YOUR NEST PROTECT

Like any photoelectric smoke alarm, Nest Protect can get dusty. Do not clean it with detergents or solvents (like Windex®) and do not spray air fresheners, hair spray or other aerosols near it. To dust Nest Protect:

- Remove it from the wall or the ceiling.
- Unscrew the battery door.
- Pass a can of compressed air back and forth across the entire backplate and alarm.
- Blow compressed air around the black circle that says Nest. This is the smoke chamber.

Do not get water inside the alarm or paint over it.

### RESETTING NEST PROTECT

You can reset Nest Protect to erase all your settings and reset the wireless interconnection between Nest Protects. You may want to do this before you move to a new house.

You'll need to press and hold the Nest button on Nest Protect to erase its settings. Follow the steps below for each Nest Protect you want to reset. You can't erase the settings on your Nest Protect from the Nest app.

- Press and hold the Nest button. Nest will chime and glow blue.
- Keep holding the button until Nest Protect says its version number. Then release the button.
- Nest Protect will start a verbal countdown and tell you it's erasing all settings. You can cancel by pressing the Nest button during the countdown.
- After a few seconds it will restart.

Your Nest Protect will still detect smoke and carbon monoxide after being reset. You can see complete instructions at [nest.com/protect/reset](https://nest.com/protect/reset)

### BACKUP BATTERY

In case of power outage, Nest Protect will use its backup battery.

3 AA Energizer® Ultimate Lithium batteries (L91).

These backup batteries can be purchased at your local retailer.

Nest Protect will let you know its backup batteries are getting low before they need to be replaced. Instead of lighting up green during Nightly Promise, it'll glow yellow. Once you press the Nest button, Nest Protect will say, "The battery is low. Replace it soon."

#### ⚠ WARNING

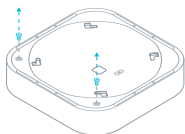
Use only batteries specified by Nest. Use of a different battery model will have a detrimental effect on the smoke alarm operation.

Never disconnect a wired alarm to stop an unwanted alarm (caused by cooking smoke, etc.). Removing power disables the alarm so it cannot sense smoke, and removes your protection. Instead open a window or fan the smoke away from the unit.

The backup battery cannot work until you install the battery in the correct position (Match "+" to "+" and "-" to "-").

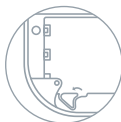
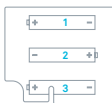
## REPLACING THE BACKUP BATTERIES

1. Remove your Nest Protect from its backplate.
2. Using a Phillips screwdriver, unscrew the two screws from the battery door on the back of Nest Protect.

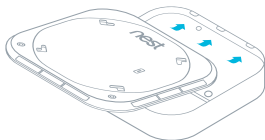


3. Replace the batteries. Make sure to use Energizer Ultimate Lithium batteries and install them in the right order. If you install them out of order, you may not be able to close the battery compartment.

1. First battery
2. Second battery
3. Third battery. This battery will push the bracket into place.



4. Reattach the battery door by sliding it into the tabs located on the opposite side from the batteries, replacing the screws and then reattaching Nest Protect back to its base.



5. Press the Nest button to run a test.

## SERVICING

Step 1: Before sending Nest Protect for service, visit [nest.com/support](https://www.nest.com/support)

Step 2: If your Nest Protect needs servicing, first contact our support team to get a return number.

Step 3: Send it to

### Nest Labs

(YOUR RETURN NUMBER)

4 East Stow Road

Marlton, NJ 08053 USA

## RECYCLING AND DISPOSAL

Visit [www.nest.com/recycle](https://www.nest.com/recycle)

## EXPIRATION

Nest Protect has a limited life like any smoke/CO alarm. Nest Protect lifetime is 7 years.

You will need to replace Nest Protect after 7 years with a brand new Nest Protect. Check the date of replacement written on the back of Nest Protect.

### ⚠ WARNING

You'll no longer be protected from smoke or CO if you don't replace your Nest Protect.

About two weeks before it expires, Nest Protect will light up with a yellow light. Press the Nest button and it will say, "Nest Protect has expired. Replace it now." Buy a new alarm and recycle the expired one. Make sure you test your new Nest Protect once it's installed.

# SAFETY

## ALARM LIMITATIONS

### LIMITATIONS OF SMOKE ALARMS

Alarms reduce deaths resulting from home fires worldwide. However smoke alarms can only work if they are properly located, installed and maintained, and if smoke reaches the alarms.

- Smoke alarms may not waken all individuals. Make sure you create an escape plan and you practice fire drills with all members of the family.
- Smoke alarms cannot work without power. If they are powered by batteries, the smoke alarms cannot work if the batteries are missing, dead or disconnected. If they are wired, the smoke alarms cannot work during a long power outage and once the backup battery is dead. Nest Protect will warn you in advance when batteries are running low so that you can replace them.
- Smoke will not be able to reach smoke sensor while the dust cover is in place. The dust cover must be removed.
- Smoke alarms cannot detect fires if the smoke does not reach the alarms. For example, if a door is closed, smoke may not reach the smoke alarm. This is why you should have a smoke alarm in each bedroom and in the hallways as bedroom doors may be closed at night.
- Smoke alarms may not be heard. Although the smoke alarm comes with a loud horn of 85 decibels, it may not be heard if : 1) people have consumed alcohol or drugs, 2) the alarm is drowned by noise from stereo, TV, traffic, air conditioner or other appliances, 3) residents are hearing impaired or have high frequency hearing loss associated with aging. Special smoke alarms should be installed for those who are hearing impaired.



- This smoke alarm is not intended to alert hearing impaired residents. Alarms specifically designed for the hearing impaired, which feature devices like flashing strobe lights or low frequency devices are available to alert the hearing impaired in case of fire.
- This smoke alarm alone is not a suitable substitute for complete fire detection systems in places housing many people—like apartment buildings, condominiums, hotels, motels, dormitories, hospitals, long-term health care facilities, nursing homes, day care facilities, or group homes of any kind—even if they were once single-family homes. It is not a suitable substitute for complete fire detection systems in warehouses, industrial facilities, commercial buildings, and special-purpose non-residential buildings which require special fire detection and alarm systems. Depending on the building codes in your area, this smoke alarm may be used to provide additional protection in these facilities.

## LIMITATIONS OF CARBON MONOXIDE (CO) ALARMS

- NEVER ignore your carbon monoxide alarm if it alarms. Refer to “What to do in case of a carbon monoxide alarm” for more information. Failure to do so can result in injury or death.
- This CO alarm is designed for use inside a single-family home or apartment. It is not meant to be used in common lobbies, hallways, or basements of multi-family buildings unless working CO alarms are also installed in each family living unit. CO alarms in common areas may not be heard from inside individual family living units.
- This CO alarm alone is not a suitable substitute for complete detection systems in places which house many people, like hotels or dormitories, unless a CO alarm is also placed in each unit.
- DO NOT use this CO alarm in warehouses, industrial or commercial buildings, special-purpose non-residential buildings, or airplanes. This CO alarm is specifically designed for residential use, and may not provide adequate protection in non-residential applications.
- Some individuals are more sensitive to CO than others, including people with cardiac or respiratory problems, infants, unborn babies, pregnant mothers, or elderly people can be more quickly and severely affected by CO. Members of sensitive populations should consult their doctors for advice on taking additional precautions.
- The silence feature is for your convenience only and will not correct a CO problem. Always check your home for a potential problem after any alarm. Failure to do so can result in injury or death.