


 Nest
GGA05171US
Nest Learning
Thermostat



Google Nest GGA05171US Nest Learning Thermostat User Guide

[Home](#) » [Google Nest](#) » Google Nest GGA05171US Nest Learning Thermostat User Guide 

Contents

- 1 [Google Nest GGA05171US Nest Learning Thermostat](#)
- 2 [Ongoing learning for savings and comfort](#)
- 3 [Control or automation, it's your choice.](#)
- 4 [Manage hot and cold spots.](#)
- 5 [Turn on geofencing](#)
- 6 [Documents / Resources](#)
 - 6.1 [References](#)

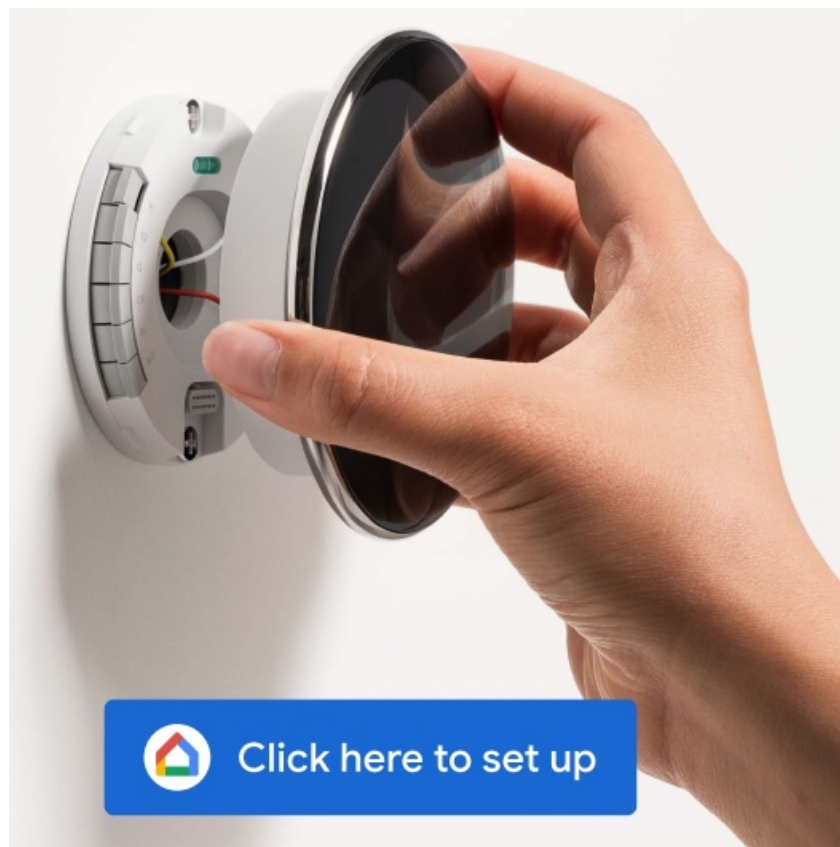


Google Nest GGA05171US Nest Learning Thermostat



Follow the setup in the Google Home app.

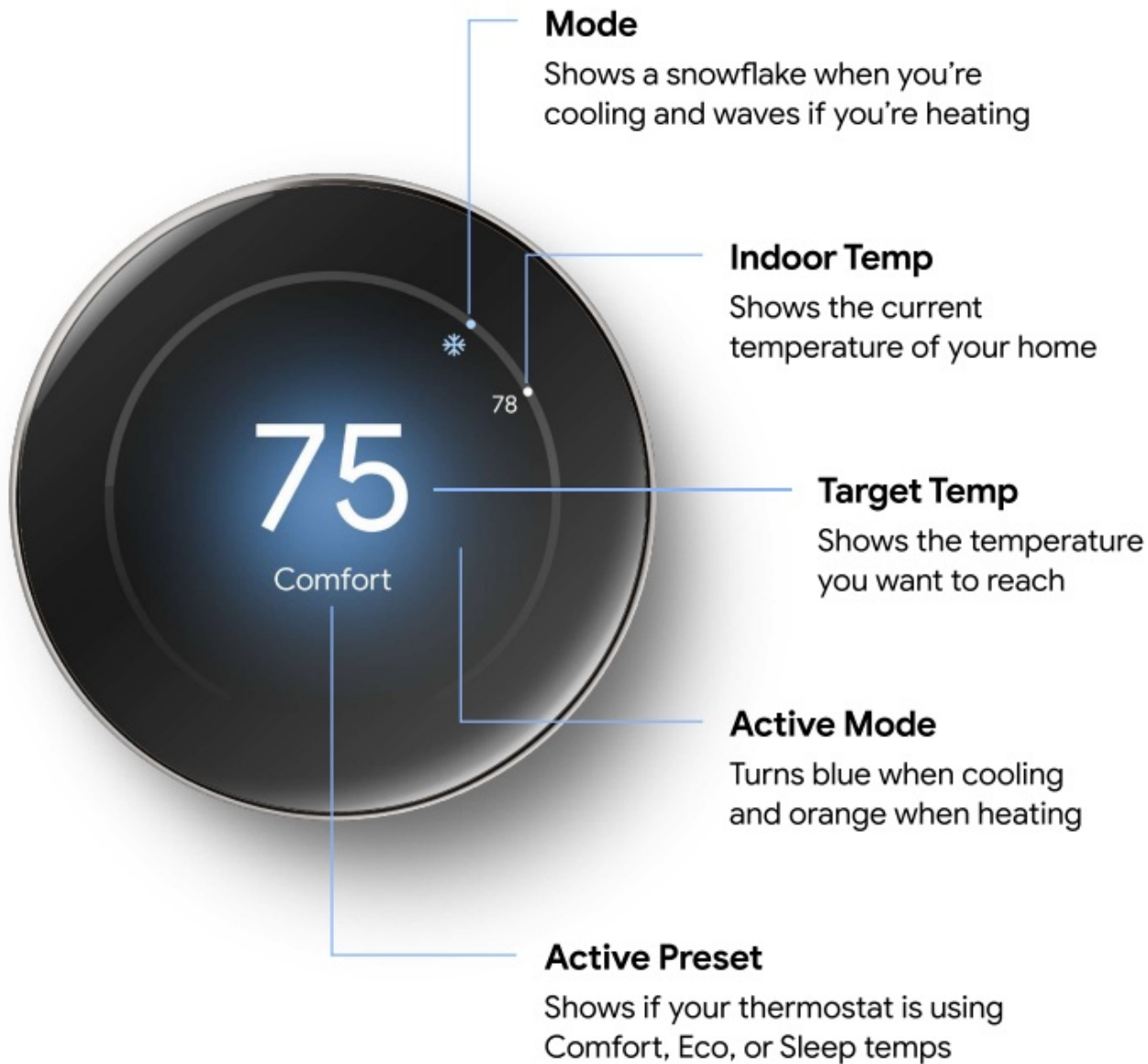
Step-by-step instructions on how to safely install your thermostat are only in the Google Home app.



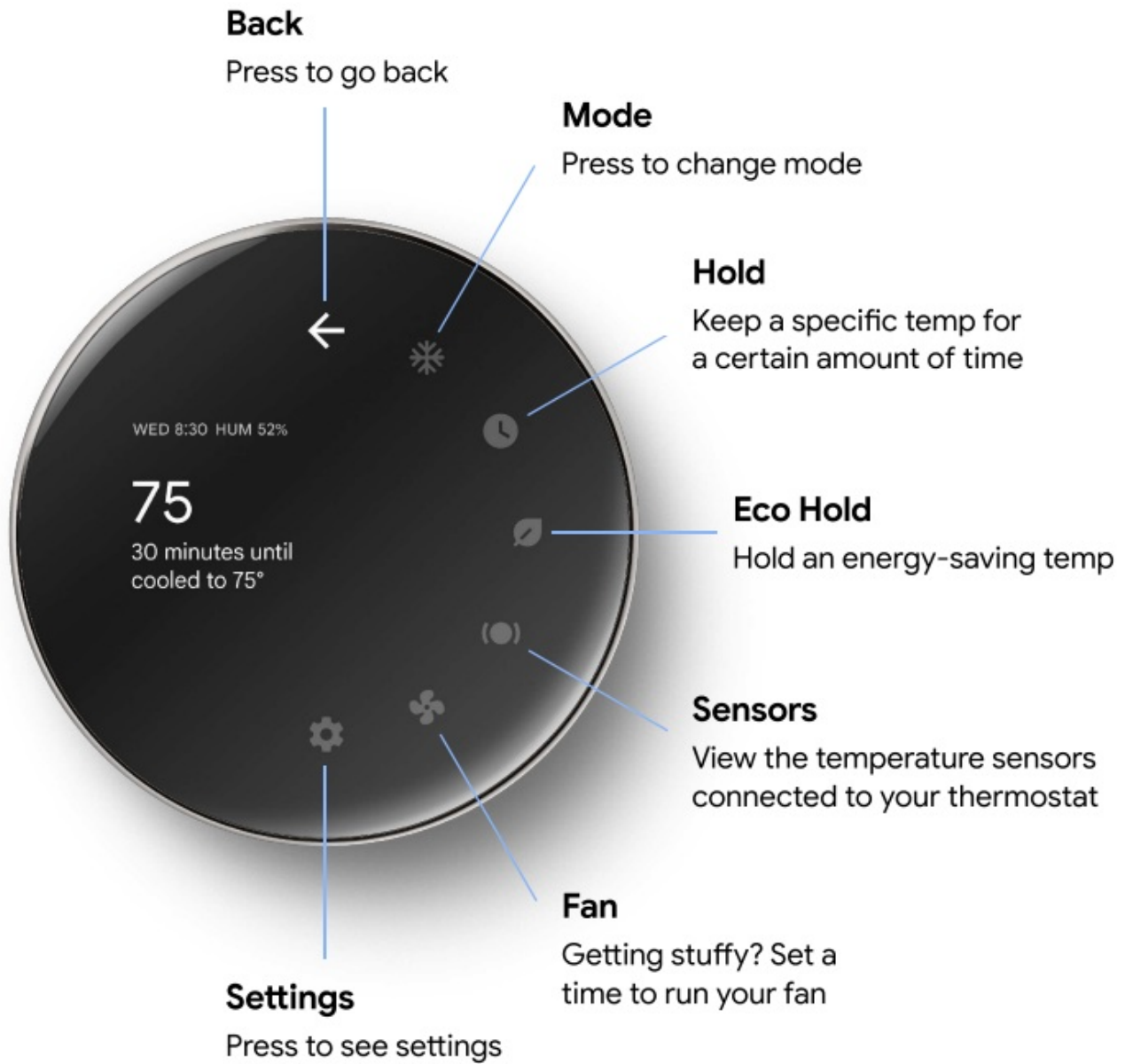
Visit g.co/home/app to download the app.

For disability support, visit g.co/assist

Meet the Nest Learning Thermostat (4th gen)



Press the thermostat to see more information



Understand what your thermostat is do.ing



Time and Humidity

Quickly check the time and indoor humidity level

Target Temp

Temperature that your thermostat is actively heating or cooling to reach

Activity Description

Easy-to-understand description of what your thermostat is doing

Smart Schedule adapts to. you

During setup, you'll be able to customize a starter schedule. In the coming days, the thermostat will learn more about your preferences and adjust the schedule based on how you tweak the temperature.¹



Your schedule has a few different types of temperature settings



Comfort

Comfortable temperatures for when you're at home and awake



Sleep

Cozy temperatures that balance comfort and savings while you're asleep



Eco

Energy-saving temperatures for when no one's home

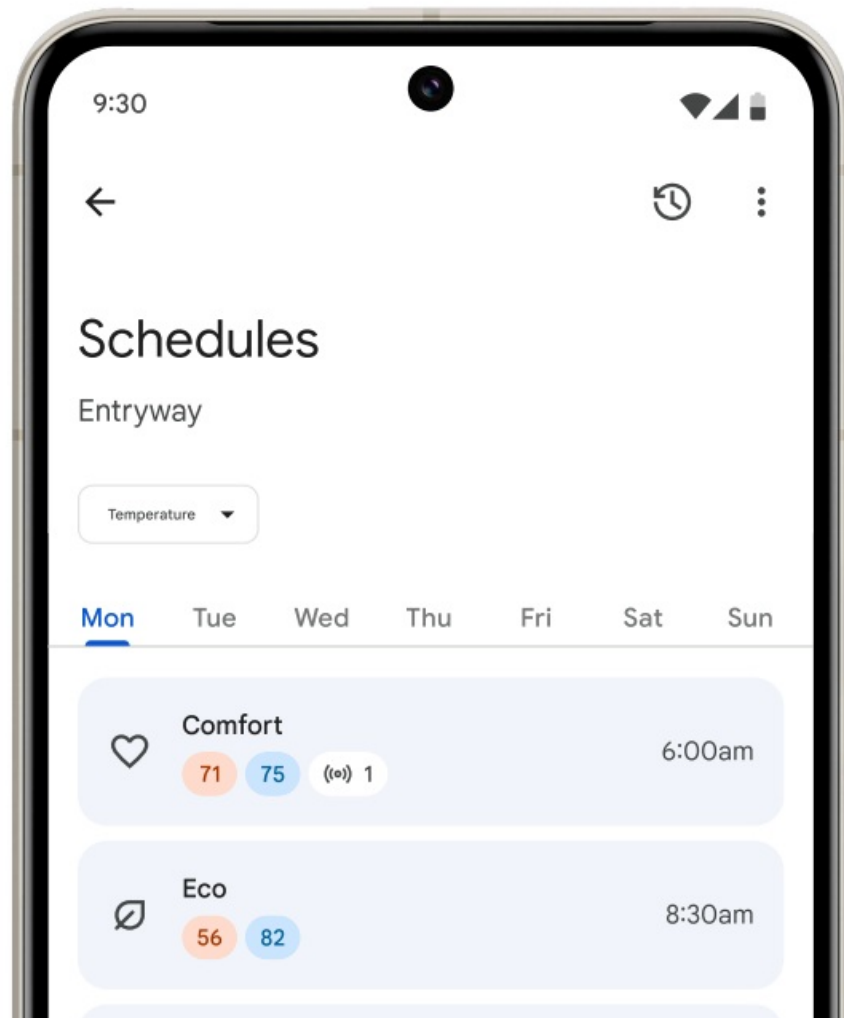


Custom

Create your preset temperatures

Ongoing learning for savings and comfort

Smart Schedule continues to learn and adapt over time. Like if you're waking up earlier each morning, it can start your Comfort temp earlier so you stay cozy while getting out of bed. Or it might uncover that a tiny adjustment to your Sleep temperature could save you more without affecting comfort.¹



Control or automation, it's your choice.

When Smart Schedule finds a recommended adjustment, it can give you a heads-up and ask for permission, or you can choose to have everything happen automatically. If you choose “Suggestions” in Settings, you’ll get a notification on your phone, and open the Google Home app to see more info on any suggested change. Then you can choose to accept or reject it. If you don’t have notifications turned on, you can still review changes in the Google Home app’s Activity tab.



Manage hot and cold spots.

In your home

- In the app, you can choose which sensor should be used to inform heating and cooling – your thermostat's built-in sensor, or a Nest Temperature Sensor.
- Your schedule can use different sensors at different times, like the thermostat during the day, and a Nest Temperature Sensor in the bedroom at night.
- You can also select multiple sensors for the thermostat to target, and the thermostat will create a comfortable average across those rooms.²



Save when you're away.

One of the best ways to save is to use a more efficient temp when nobody's home. Your thermostat has a set of Eco Temperature features that make it simple.¹



Eco & Energy Savings

If you see the Leaf,

You're saving energy



Eco

During setup, select your preferred Eco Temperature for both heating and cooling modes. Enable presence sensing to let the thermostat use your Eco. The temperature automatically adjusts when nobody's home.



Adaptive Eco

If you enable Adaptive Eco, your thermostat dynamically selects an Eco Temperature based on the current outdoor temperature and how your home reacts to various conditions. For example, if your home is slow to heat when it's extremely cold, it might set back only a few degrees on a very cold day, but more than that when it's mild. So, you can save when away, but know you'll get back to your Comfort temp within an hour of getting home.

Help your thermostat Maximize Eco savings



Enable presence sensing

Turn on Home/Away routines to enable presence sensing. Your phone's location and sensors in supported Google Home devices, including yourA the thermostat can help determine if the home is empty and automatically switch to an Eco Temperature.



Turn on geofencing

Presence sensing works most efficiently if you enable geofencing. While it doesn't track your precise location, Geofencing gives Google Home a basic signal when your phone is located outside the vicinity of your home. You (and others with Google Home app access to your home) can turn on geofencing in the app.



Add more devices to your Google Home presence sensing list..

Your thermostat has a built-in sensor that can detect motion. With your permission, it will use that sensor to help contribute to presence sensing. You can use the app to include other Google Home devices, like displays and speakers that have built-in sensors to help make your home's understanding of when it's occupied more accurate.

Take advantage of cleaner energy with Nest Renew.



The cleanliness and price of your electricity can change throughout the day. Renew's Energy Shift feature can shift energy use to cleaner or cheaper times.³

To make sure you're getting the benefits of Renew, you can join at nestrenew.google.com.



More helpful, intelligent features

- More energy-smart features



Humidity Helper

Monitors the humidity levels in your home and maintains a comfortable average, helping ensure your home's air doesn't get too dry or too humid.⁴



Natural heating and cooling

Uses information about the outdoor temperature to naturally heat or cool your home when possible, so you don't waste energy running your HVAC system.¹



Smart ventilation

Takes into account the outdoor air quality and weather to optimize bringing in fresh air.⁵



Adaptive Comfort

Provides the right amount of heating or cooling based on how your environment feels.¹



System Health Monitor

Keep an eye on your heating and cooling system and help detect hard-to-spot issues. If it finds something wrong, it sends an alert through the app. It also sends helpful reminders for air filter replacements and seasonal maintenance.⁶

Customizing your thermostat's home screen




Dynamic Farsight puts helpful information at your fingertips.¹ You can personalize what your thermostat displays when you're across the room and when you're within arm's length. See the time, weather, humidity, outdoor air quality, and more – customize it in Farsight settings.



1. Google Home app required.
2. Google Home app required. See g.co/nest/tempsensorapp for details.
3. Energy Shift makes small adjustments to your Nest Learning Thermostat set points, which can shift electricity usage from your heating and cooling system. Learn more.
4. Only available in areas served by major continental US grids (see here). Prioritize less expensive energy only

- available for customers on certain electric utility time-of-use rates (check availability).
5. Requires Google Home app, and an air conditioner, heat pump, or central humidifier or dehumidifier.
 6. Requires Google Home ap, and a compatible HVAC ventilation system.
 7. Alerts can notify you of a potential issue with an eligible HVAC system. They're meant to provide helpful information, not an endorsement, representation, or warranty of any kind about the health of your HVAC system.
 8. Alerts aren't intended to replace a diagnosis by a qualified HVAC professional.

Documents / Resources

	<p>Google Nest GGA05171US Nest Learning Thermostat [pdf] User Guide GGA05171US, GGA05560US, GGA05171US Nest Learning Thermostat, GGA05171US, Nest Learning Thermostat, Learning Thermostat, Thermostat</p>
---	--

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.