

# Learn about wireless interconnect for Nest Protect

Wireless interconnect allows all Google Nest Protects to talk to one another and let you know what's happening in other parts of the house during an alert or Emergency Alarm.

To learn how our wireless interconnect has been reviewed and tested to confirm that it meets national safety standards, go to our article on [Nest Protect's certifications](#).

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## How Nest Protects connect with each other

Nest Protects connect wirelessly using a Nest-developed protocol called **Weave** that lets Nest Protects communicate with one another safely and securely without an active Wi-Fi connection.

Weave uses 802.15.4 and Wi-Fi 802.11 b/g/n to create reliable, flexible, secure and low-power communication between Protects.

You can think of the 802.11b/g/n protocol as the connection that communicates with the outside world and performs tasks like automatically updating Nest Protect software or allowing you to get mobile notifications on your phone. You can think of the 802.15.4 protocol as the low-power connection that lets Nest Protects communicate with each other.

This means your Protects can continue to talk to one another, and can let you know when smoke or carbon monoxide is detected in other parts of the home, even if your Wi-Fi network goes down.

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## Why Nest Protect uses wireless instead of Wired Interconnect

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## Requirements to use wireless interconnect

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## Things that can interfere with or prevent wireless interconnect from working

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## Why Nest Protect can't interconnect with other smoke/CO alarms

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## Check that your Nest Protects are interconnected

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### Need more help?

Try these next steps:



#### Post to the help community

Get answers from community members



#### Contact us

Tell us more and we'll help you get there