Manuals+ — User Manuals Simplified.

NETGEAR GS305Pv2 5 Port Gigabit Ethernet Unmanaged Switch Installation Guide

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Installation Guide

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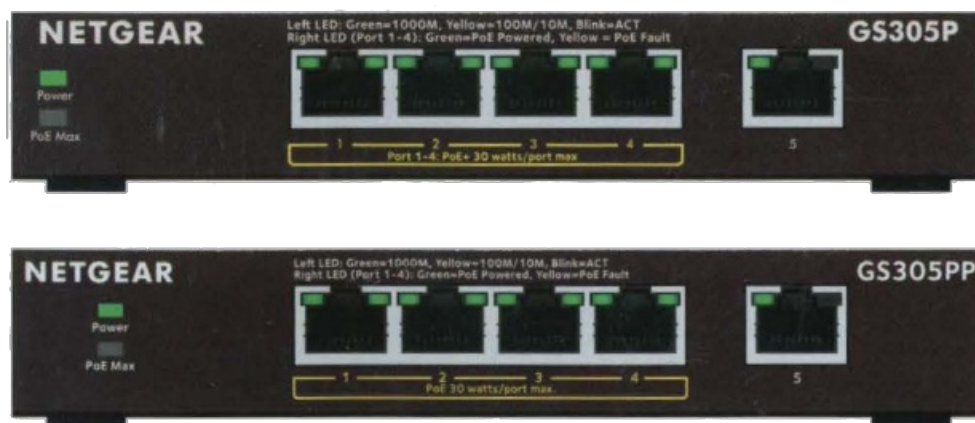

Package contents

- Switch model GS30SPv2 or GS30SPP
- DC power adapter
- Detachable power cable (varies by region)
- Wall-mount kit screws
- Four rubber footpads
- Installation guide

Note: We recommend that you use a Category Se (Cat Se) cable or a higher rated cable for Gigabit Ethernet connections.

1. Register the switch

1. From a computer or mobile device that is connected to the Internet, visit
   my.netgear.com.
2. Log in to your NETGEAR account.
   Note: If you don't have a free NETGEAR account, you can create one.
   The My Products page displays.
3. From the menu on the left, select **Register a Product.**
4. In the **Serial Number** field, type the serial number of your switch.
   The serial number is 13 digits long. It is printed on the switch label.
5. From the **Date of Purchase** menu, select the date that you purchased the switch.
6. Click the **REGISTER** button.
   Your switch is registered to your NETGEAR account.
   A confirmation email is sent to your NETGEAR account email address.

2. Connect the switch

Sample connections
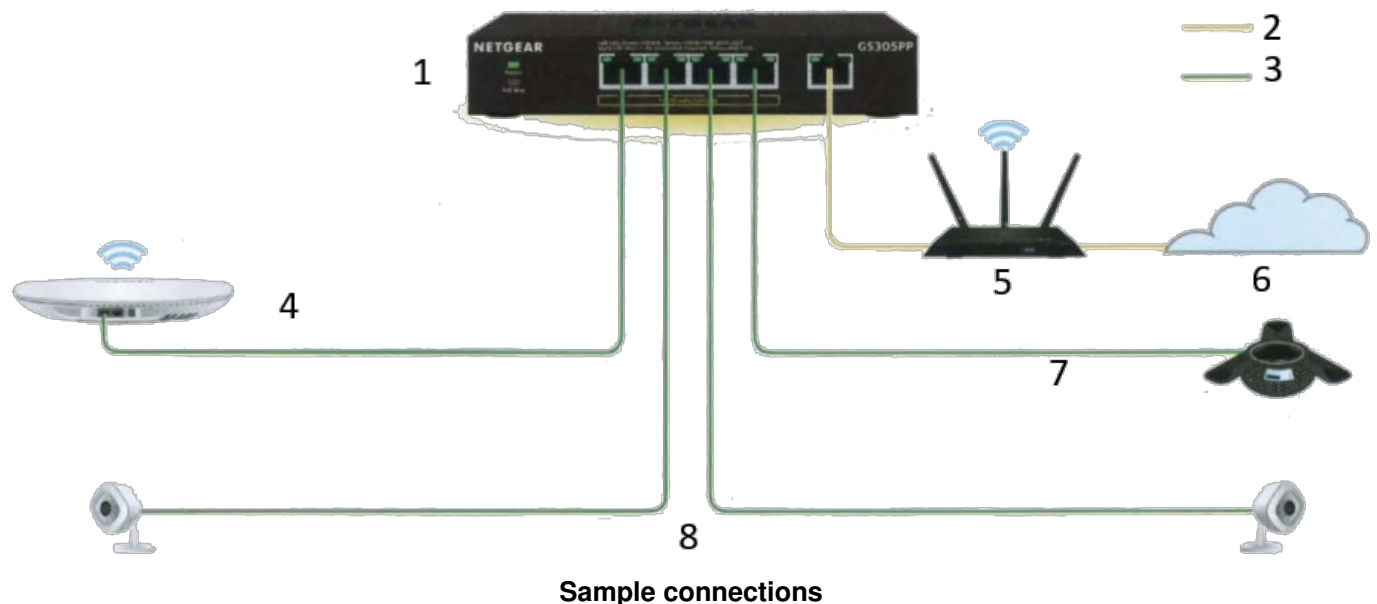
1. GS305PP
2. Internet
3. PoE +
4. Access point
5. Router
6. Internet
7. VoIP phone
8. Security cameras

This switch is designed for indoor use only. If you want to connect it to a device located outdoors, the outdoor device must be properly grounded and surge protected, and you must install an Ethernet surge protector inline between the switch and the outdoor device. Failure to do so can damage the switch.

 Before connecting this switch to outdoor cables or devices, see **https:/lkb.netgear.com/000057103** for safety and warranty information.

3. Connect to power and check the LEDs

When you connect the power adapter to the switch and plug the power cable into an electrical outlet, the LEDs indicate the status.

Models GS305Pv2 and GS305PP provide PoE+ or PoE power on ports 1-4 up to 30W PoE to each port, with a PoE power budget of 63W and 83W respective to each model across all active PoE ports.

LED	Description
Power LED	**On.** The switch is receiving power. **Off.** The switch is not receiving power.
Ports 1-5 left LED	**On.** 1000 Mbps link on this port. **On.** 100 Mbps or 10 Mbps link on this port. **Blinking.** 1000 Mbps activity on this port. **Blinking.** 100 Mbps or 10 Mbps activity on this port. **Off.** No link is detected on this port.
Ports 1-4 right LED	**On.** PoE is in use. **On.** PoE fault. **Off.** PoE is not in use on this port.
PoE Max LED	The PoE Max LED indicates the status of the PoE budget on the switch: **Off.** Sufficient. More than 7W of PoE power is available. **On.** Less than 7W of PoE power is available. **Blinking.** At least once during the previous two minutes, less than 7W of PoE power was available.

Mount the switch on a wall

We recommend that you use the wall-mount screws that came with the switch.

1. Locate the two mounting holes on the bottom panel of the switch.
2. Mark and drill two mounting holes in the wall.
3. The two mounting holes must be 1.53 in. (38.9 mm) apart, center-to-center. Insert the supplied anchors into the wall and tighten the screws with a No. 2 Phillips screwdriver.

Leave about 0.125 in. (4 mm) of each screw protruding from the wall so that you can insert the screws into the holes on the bottom panel.

Note: The screws are 4.2 mm in diameter, 25 mm in length.

Specifications

Specification	Description
Network interface	RJ-45 connector for 1000BASE-T, 100BASE-TX, or 1 0BASE-T
Network cable	Category 5 (Cat 5) or higher rated Ethernet cable
Ports	5 total. Ports 1-4 can provide PoE+; Port 5 is an uplink port.
Power adapter	Model GS305Pv2: 54V@ 1.25 A DC input Model GS305PP: 54V@ 1.66 A DC input
Power consumption	Model GS305Pv2: 67.SW maximum; 1 .4W standby Model GS305PP: 88.89W maximum; 1.55W standby
PoE power budget	Model GS305Pv2: 30W maximum per PoE+ port with a total PoE power budget of 63W f or the switch Model GS305PP: 30W maximum per PoE+ port with a total PoE power budget of 83W fo r the switch
Dimensions (W x D x H)	6.2 x 4.0 x 1.1 in. (158 x 101 x 29 mm)
Weight	0.90 lb (0.41 kg)
Operating temperatu re	32-104°F (0-40°C)
Operating humidity	10%-90% relative humidity, non condensing

Support and Community

Visit **netgear.com/support** to get your questions answered and access the latest downloads.
You can also check out our NETGEAR Community for helpful advice at **community.netgear.com**.

Regulatory and Legal

(If this product is sold in Canada, you can access this document in Canadian
French at **https://www.netgear.com/support/download/**.)

For regulatory compliance information including the EU Declaration of
Conformity, visit **https://www.netgear.com/about/regulatory/**.

See the regulatory compliance document before connecting the power supply.

For NETGEAR's Privacy Policy, visit **https://www.netgear.com/about/privacy-policy**.

By using this device, you are agreeing to NETGEAR's Terms and Conditions at
https://www.netgear.com/about/terms-and-conditions. If you do not agree, return the device to your place of
purchase within your return period.

Do not use this device outdoors. The PoE source is intended for intra building connection only.

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PoE considerations

The PoE and PoE+ power supplied by the switch is prioritized in ascending port order (from port 1 to port 4), with a total power budget of 63W for the GS305Pv2, and 83W for the GS305PP switch. If the power requirements for the attached powered devices (PDs) exceed the total power budget of the switch, the PD on the highest-numbered port is disabled to make sure that the PDs that are connected to the higher-priority, lower-numbered ports are supported first.

PoE troubleshooting

Here are some tips for correcting PoE problems that might occur:

- If the PoE Max LED is yellow, disconnect one or more PoE devices to prevent PoE oversubscription. Start by disconnecting the device from the highest-numbered port.
- For each powered device (PD) that is connected to the switch, the associated right port LED on the switch lights solid green. If the right port LED lights yellow, a PoE fault occurred because of one of the conditions listed in the following table.

PoE Fault Condition	Possible Solution
A PoE-related short circuit occurred on the port.	The problem is most likely with – the attached PD. Check the condition of the PD or restart the PD by disconnecting and reconnecting the PD.
The PoE power demand of the PD exceeded the maximum level that the switch permits. The maximum level is 15.4W for a PoE connection or 30W for a PoE+ connection	
The PoE current on the port exceeded the classification limit of the PD.	
The PoE voltage of the port is outside the range that the switch permits	Restart the switch to see if the condition resolves itself.

201-26968-02

Documents / Resources

	NETGEAR GS305Pv2 5 Port Gigabit Ethernet Unmanaged Switch [pdf] Installation Guide GS305PP, GS330055PPvv2, GS330055PPPP, GS305Pv2 5 Port Gigabit Ethernet Unmanaged Switch, GS305Pv2, 5 Port Gigabit Ethernet Unmanaged Switch, Gigabit Ethernet Unmanaged Switch, Ethernet Unmanaged Switch, Unmanaged Switch, Switch

References

- **English - NETGEAR Communities**
- **NETGEAR - Common Account Management**
- **NETGEAR Support | NETGEAR**
- **Download Center | Downloads and Documentation | NETGEAR**
- **User Manual**