

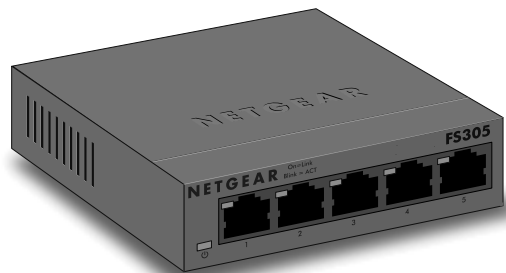
# NETGEAR®

## Installation Guide

Connect with Innovation™

### Ethernet Switch FS305/FS308

Estimated installation time: 5-10 minutes



### Package Contents

This package includes:

- Ethernet Switch FS305/FS308
- AC power adapter
- Installation Guide (this document)

### Prepare to Install the Switch

Place the switch on a flat horizontal surface such as a table, desk, or shelf. You can use wall-mounting screws (not provided) to hang the switch in an open space on a wall.

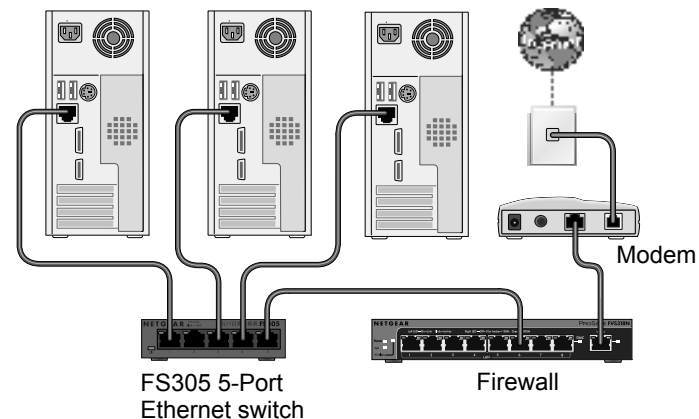
Make sure that the selected location is:

- Not in direct sunlight or near a heater or heating vent.
- Not cluttered or crowded. There must be at least 2 inches (5 cm) of air space on all sides of the switch.
- Well ventilated (especially if it is in a closet).

You need a Category 3 (10 Mbps) or Category 5 (100 Mbps) Ethernet cable with RJ-45 connectors for each device you connect to the switch. Each Ethernet cable must be less than 328 feet (100 meters).

### Install the Switch and Connect Devices

1. Place the switch on a flat surface or hook it onto the screws.
2. For each device, insert one end of an Ethernet cable into a port on the switch and the other end into the network port on the device.
3. Connect the power adapter cord into the back of the switch and then plug the adapter into a power source (such as a wall socket or power strip).



#### 4. Check the LEDs:



- Verify that the Power LED is lit.
- For each jack that is connected to a powered device, check that the Link LED is lit and it flashes when activity occurs.

**Note:** If any LED does not operate as indicated, go to the Troubleshooting section.

Technical Specifications	
Standards compatibility	IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3i 10BASE-T Ethernet IEEE 802.3x Flow Control
Network interface	RJ-45 connector for 10BASE-T and 100BASE-TX
Power	12W max. and 12V @ 1.0A DC input
Power consumption (max.)	FS305: 2.3W FS308: 2.7W
Dimensions	FS305: 102 x 94 x 26 mm (4.02 x 3.7 x 1.02 in.) FS308: 158 x 102 x 26 mm (6.22 x 4.02 x 1.02 in.)
Weight	FS305: 240 g (0.53 lbs) FS308: 441 g (0.97 lbs)
Operating temperature	0° to 40° C (32° to 104° F)
Operating humidity	90% maximum relative humidity, non-condensing
Safety agency approvals for the power adapter	CE mark, CB



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Performance Specifications	
Frame filter rate	14,880 frames/sec max. for 10M port 148,800 frames/sec max. for 100M port
Frame forward rate	14,880 frames/sec max. for 10M port 148,800 frames/sec max. for 100M port
Network latency (using 64-byte packets)	100 Mbps: 12 µs 10 Mbps: 85 µs
Address database size	FS305: 2K MAC addresses FS308: 1K MAC addresses
Queue buffer	FS305: 384 KB embedded FS308: 768 KB embedded

## Troubleshooting

The Power LED is not lit.

- Make sure that the power cord is correctly connected.
- Make sure that the power adapter is connected to a functioning power outlet or power strip.
- Make sure you that are using the NETGEAR power adapter supplied with your switch.

The Port LED for a device is off or stays on continuously.

- Make sure that the cable connectors are securely plugged in at the switch and the device.
- Make sure that the connected device is turned on.

- If the Ethernet cable is connected to a NIC or other Ethernet adapter, make sure that the card or adapter is installed correctly and is working.
- Make sure that the cable is less than 328 feet (100 meters).

## Technical Support

Thank you for selecting NETGEAR products. After installing your device, locate the serial number on the label of your product. Use it to register your product at:  
<http://www.NETGEAR.com/register>.

Registration is required to use our telephone support service. For product updates, additional documentation, and support go to: <http://support.netgear.com>.

For complete DoC, go to the NETGEAR EU Declarations of Conformity website at:  
[http://support.netgear.com/app/answers/detail/a\\_id/11621](http://support.netgear.com/app/answers/detail/a_id/11621).

**WARNING:** Do not stack equipment, or place equipment in tight spaces, in drawers, or on carpets. Make sure your equipment is surrounded by at least 2 inches (5 cm) of air space.



This symbol was placed in accordance with the European Union Directive 2002/96 on the Waste Electrical and Electronic Equipment (the WEEE Directive). If disposed of within the European Union, this product should be treated and recycled in accordance with the laws of your jurisdiction implementing the WEEE Directive.

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