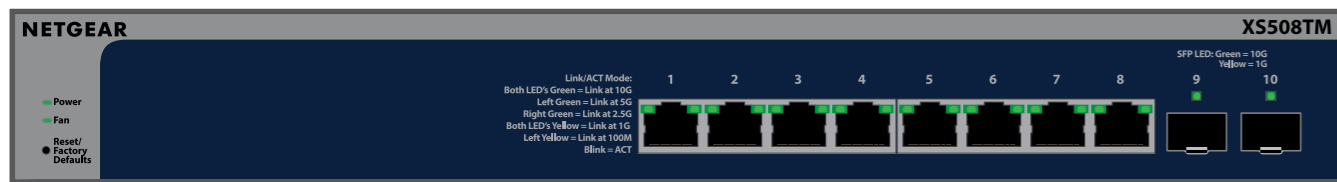


# Installation Guide

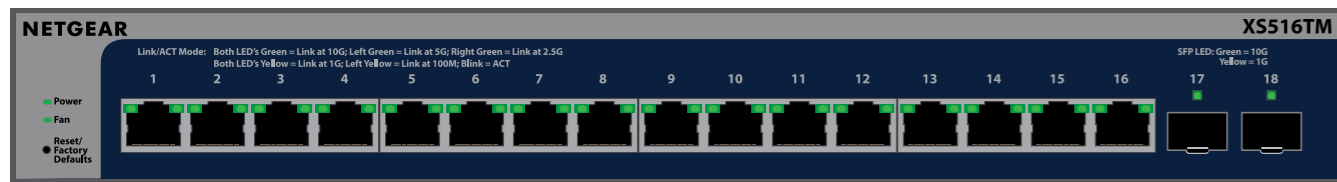
## S3600 Series 8-Port 10G/Multi-Gigabit Ethernet Smart Switch with 2 SFP+ Ports

XS508TM



## S3600 Series 16-Port 10G/Multi-Gigabit Ethernet Smart Switch with 2 SFP+ Ports

XS516TM



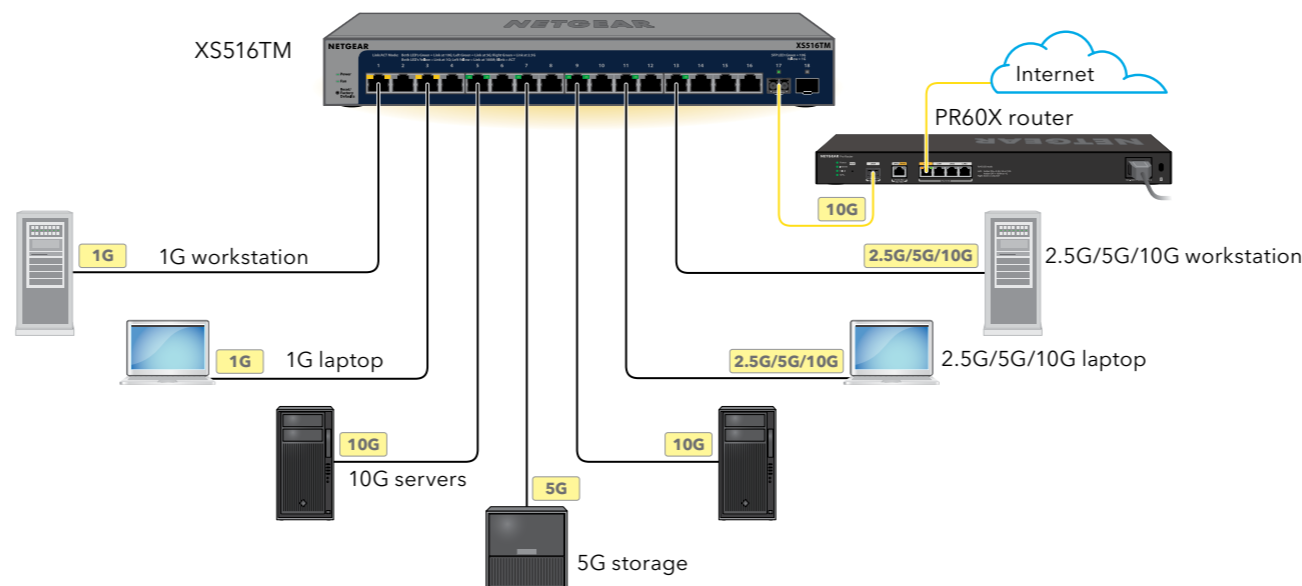
## Package contents

- NETGEAR XS508TM or XS516TM switch
- Detachable power cord (varies by region)
- Rubber footpads for tabletop installation
- Rack-mount kit
- Wall-mount kit
- Installation guide

**NOTE:** For more information about installing and mounting the switch, visit the NETGEAR Download Center at [netgear.com/support/download/](https://netgear.com/support/download/) and enter the model number to access the Hardware Installation Guide and other available documentation.

## Step 1: Connect the switch

### Sample connections



1. Connect devices to the RJ-45 ports (XS508 ports 1-8 or XS516 ports 1-16) on the switch front panel. Use Category 5e (Cat 5e) Ethernet cables terminated with RJ-45 connectors to make 1G, 2.5G, and 5G connections. For 10G connections, use Cat 6a or higher rated Ethernet cables terminated with RJ-45 connectors.
2. Connect one port on the switch to a network that includes a DHCP server such as a router.
 

**NOTE:** In a small office or home office network, connect the switch to the LAN port of a router that is connected to a modem, or to a gateway.

To use an SFP+ port, you must insert an SFP+ transceiver module, which you can purchase from NETGEAR.
3. Power on the switch and wait two minutes.
 

If you connected the switch to a network with a DHCP server, the switch is automatically assigned a new IP address. (The default switch IP address is 192.168.0.239.)

This switch is designed for indoor use only. If you want to connect 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.

**WARNING:** Before connecting this switch to outdoor cables or devices, see [kb.netgear.com/000057103](https://kb.netgear.com/000057103) for safety and warranty information.

## Step 2: Discover the switch in your network

There are two ways to set up and manage the switch: Add it to a NETGEAR Insight managed network, or set it up as a locally managed standalone switch. Follow the instructions for your preferred network setup.

|                         |  |   |
|-------------------------|--|---|
| <i>Insight setup</i>    | <a href="#">Option A: Use NETGEAR Insight</a>          | Insight subscribers can use the Insight app for quick onsite discovery.                 |
| <i>Standalone setup</i> | <a href="#">Option B: Discover a standalone switch</a> | For a standalone switch, use the NETGEAR Switch Discovery Tool or Smart Control Center. |

### Option A: Use NETGEAR Insight

These instructions assume that you are already a NETGEAR Insight subscriber and want to add the switch to an Insight managed network behind a NETGEAR Pro Router or ProWiFi system.

You can use the Insight app on a mobile device and scan the QR code or bar code to add the switch to Insight, or use the Insight Cloud Portal to manually enter the switch's serial number and MAC address. These instructions describe how to use the Insight app.

After the switch is onboarded, we recommend connecting a tablet or computer directly to the switch or to the network on which you installed the switch to complete set up.

#### A1. Use the Insight app to add and discover your switch

1. In the Insight app, enter the email address and password for your NETGEAR account and tap **LOG IN**.
2. Use one of the following methods to add and discover the switch:
  - **If your switch and mobile device are connected to the same network.** Your switch and its IP address display in the devices list. Do the following:
    - a. Select the switch or tap **Unclaimed**.
    - b. On the next screen, tap **ADD DEVICE**.

If the switch does not display in the devices list, tap **+** in the upper-right corner, and tap **Scan Network**. If the switch still does not display, follow the instructions for a mobile device that is not connected to the same network.
  - **Your switch and mobile device are not connected to the same network.** Your switch and its IP address do not display in the devices list. Do the following:
    - a. Tap **+** in the upper-right corner.
    - b. Either use the camera on your mobile device to scan the bar code or QR code, or type in the serial number.
3. Follow the onscreen instructions to complete the registration of the switch.
 

At the NETGEAR **Insight Cloud Portal** or **Insight app** prompt: Tap **Manage with Insight**. Then, continue with [A2. Change the management mode to Insight](#).

#### A2. Change the management mode to Insight

By default, the management mode in the device UI is set to Directly Connect to Web Browser Interface, which lets you configure the switch from the device UI. To manage the switch remotely from the cloud with the NETGEAR Insight Cloud Portal or Insight app, you must change the management mode in the device UI.

1. Open a web browser from a computer or tablet connected to the same network as your switch. You can use a wired or WiFi connection.
2. In the address field of your web browser, enter the IP address of the switch. The Device UI login page displays.
 

If you did not yet register the switch, the Register to activate your warranty page displays. For more information, see [Optional Step 3: Log in to the device UI to configure the switch](#).
3. Enter your device admin password. This is the password that you set the first time that you logged in to the device UI.

*Continued on the next page*

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- Click the **Go** button.  
The System Information page displays.
- Under Management Mode, select the **NETGEAR Insight Mobile App and Insight Cloud Portal** radio button.
- In the pop-up window, click the **OK** button.
- Click the **Apply** button.
- In the pop-up window, click the **OK** button.  
Your settings are saved.

The first time that you change the management mode to Insight, the switch is reset to its factory default settings, and you must configure the switch using the NETGEAR Insight Cloud Portal or Insight app. We recommend that you use the Insight Cloud Portal.

**NOTE:** You can still log in to the device UI and access a limited menu, but instead of the device admin password, you now must enter the Insight network password for the Insight network location to which you added the switch.

## Option B: Discover a standalone switch

You can use the **NETGEAR Switch Discovery Tool** on a a Mac or Windows-based computer connected to the same network as the switch to discover the IP address in your network.

To download this tool, visit [netgear.com/support/product/netgear-switch-discovery-tool.aspx](https://netgear.com/support/product/netgear-switch-discovery-tool.aspx).

After discovering your switch, follow the instructions in [Optional Step 3: Log in to the device UI to configure the switch](#).

## Optional Step 3: Log in to the device UI to configure the switch

You can use the switch as a plug-and-play device or change the settings by logging in to the device user interface (UI).

- Open a web browser from a computer connected to the same network as your switch.  
You can use a wired or WiFi connection.

- In the address field of your web browser, enter the IP address of the switch.

To discover the IP address of the switch, use the NETGEAR Insight app or another discovery method (see [Option B: Discover a standalone switch](#)).

If the switch is connected to the Internet, the registration options page displays. However, if you already registered the switch with the NETGEAR Insight app, the Device UI login page displays, and you can [continue to step 3.4](#).

- If you did not yet register the switch with the NETGEAR Insight app, click one of the following buttons:

- Register to Activate Your Warranty:** This button displays if the switch is connected to the Internet. You can register the switch and activate the warranty. For information about the many benefits of registering your switch, visit [netgear.com/why-register/](https://netgear.com/why-register/).
- Enter Registration Key:** If you obtained a registration key, for example by registering your switch on the [MyNETGEAR.com](https://my.netgear.com) site, you can enter the key and then log in to the device UI.
- Skip Registration and Access the UI:** Registration is not mandatory, but we highly recommend it. If you do not register the switch within 30 days of purchase, your warranty entitlement might be affected.

- If prompted, enter the default device admin password, which is **password**, and click the **Login** button.
- If the Change Default Password page displays, specify and confirm a new device admin password, click the **Submit** button, and log in again using your new password.

The System Information page displays. You can now configure the switch. For more information about configuring the switch, visit the NETGEAR Download Center at [netgear.com/support/download/](https://netgear.com/support/download/) and enter the model number to view and download available documentation.

## Supported Modules: Transceivers and DACs

| Model                                      | Description   |
|--|---|
| <b>1G Fiber SFP Transceivers</b>           |   |
| AGM731F                                    | NETGEAR 1000BASE-SX SFP LC Transceiver (multimode, 1000m OM4, 550m OM3 50/125µm, 275m OM2/OM1 62.5/125µm) |
| AGM732F                                    | NETGEAR 1000BASE-LX SFP LC Transceiver (single mode, 10km 9/125µm)  |
| <b>1G Copper SFP Transceiver</b>           |   |
| AGM734                                     | NETGEAR 1000BASE-T SFP RJ45 Transceiver   |
| <b>10G SFP+ Direct Attach Cables (DAC)</b> |   |
| AXC761                                     | NETGEAR 10G SFP+ to SFP+ 1-Meter Passive Direct Attach Cable  |
| AXC763                                     | NETGEAR 10G SFP+ to SFP+ 3-Meter Passive Direct Attach Cable  |
| <b>10G Fiber SFP+ Transceiver</b>          |   |
| AXM761                                     | NETGEAR 10GBASE-SR SFP+ LC Transceiver (multimode, 550m OM4, 300m OM3 50/125µm, 33m OM2/OM1 62.5/125µm)   |
| AXM762                                     | NETGEAR 10GBASE-LR SFP+ LC Transceiver (single mode, 10km 9/125µm)  |
| AXM763                                     | NETGEAR 10GBASE-LRM SFP+ Transceiver 10GBASE-LRM (Long range, multimode)                                  |
| AXM764                                     | NETGEAR 10GBASE-LR LITE SFP+ LC Transceiver (single mode, 2km 9/125µm)                                    |
| <b>10G Copper SFP+ Transceiver</b>         |   |
| AXM765                                     | NETGEAR 10GBASE-T SFP+ RJ45 Transceiver (80m CAT6A)   |

## Support and Community

Visit [netgear.com/support](https://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](https://community.netgear.com).

## Regulatory and Legal

Si ce produit est vendu au Canada, vous pouvez accéder à ce document en français canadien à [netgear.com/support/download/](https://netgear.com/support/download/). (If this product is sold in Canada, you can access this document in Canadian French at [netgear.com/support/download/](https://netgear.com/support/download/).) For regulatory compliance information including the EU Declaration of Conformity, visit [netgear.com/about/regulatory/](https://netgear.com/about/regulatory/). See the regulatory compliance document before connecting the power supply. For NETGEAR's Privacy Policy, visit [netgear.com/about/privacy-policy](https://netgear.com/about/privacy-policy). By using this device, you are agreeing to NETGEAR's Terms and Conditions at [netgear.com/about/terms-and-conditions](https://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 switch outdoors. If you connect cables or devices that are outdoors to the switch, see [kb.netgear.com/000057103](https://kb.netgear.com/000057103) for safety and warranty information.

Applicable to 6 GHz devices only: Only use the device indoors. The operation of 6 GHz devices is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet. Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.