Installation Guide

48-Port Gigabit PoE+ Smart Managed Pro Switch With 4 SFP Ports
GS752TPv2 or GS752TPPP

Package contents
- NETGEAR GS752TPv2 or GS752TPPP switch
- Detachable power cord (varies by region)
- Rack-mount kit for rack installation
- Rubber footpads for tabletop installation
- NETGEAR GS752TPv2 or GS752TPPP switch

Note:
- For information about installation, see the hardware installation guide, which is located on the NETGEAR website.

WARNING:
Before connecting this switch to outdoor cables or devices, see the hardware installation guide, which is located on the NETGEAR website. Failure to do so can damage the switch.

Blinking yellow:
• Power: 7W of PoE power is available.
• Blinking yellow: At least once during the previous two minutes, less than 7W of PoE power was available.

Check the PoE status:
The switch can supply up to 30W PoE+ (IEEE 802.3at) to each port. The maximum PoE power budget across all active PoE+ ports is 380W for model GS752TPv2 and 760W for model GS752TPPP.

The PoE Max LED indicates the status of the PoE budget on the switch:
• Off: Sufficient. More than 760W of PoE power is available.
• Solid yellow: Less than 7W of PoE power is available.

Discover the switch in your network:
On the switch, you can use the NETGEAR Insight app to discover the switch IP address in your network, or you can use other discovery methods.

Use the NETGEAR Insight app to discover the switch:
If your switch and mobile device are connected to the same network, you can use the NETGEAR Insight app to discover the switch IP address in your network. Regardless of your setup, you can use the Insight app to register the switch and activate your warranty.

1. Connect network cables to your switch.
2. Connect devices to the switch.

Option 1: Your switch and mobile device are connected to the same network:
- Use the NETGEAR Insight app to discover the switch IP address:
  a. Tap the bar code on the switch.
  b. The switch displays in the devices list. Do the following:
     i. Enter the email address and password for your NETGEAR account and tap LOG IN.
     ii. Tap the switch IP address in the list and tap CONNECT.

Option 2: Your switch and mobile device are not connected to the same network:
- Use the NETGEAR Insight app or another discovery method (see the NETGEAR Insight app and other discovery methods) to discover the switch:
  a. Connect the switch to your mobile device.
  b. Use the NETGEAR Insight app to discover the switch:
     i. Tap the bar code on the switch.
     ii. The switch displays in the devices list. Do the following:
        a. Enter the email address and password for your NETGEAR account and tap LOG IN.
        b. Tap the switch IP address in the list and tap CONNECT.

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

1. Open a web browser from a computer connected to the same network as your switch.
2. In the address field of your web browser, enter the IP address of the switch.
3. To discover the IP address of the switch, use the NETGEAR Insight app or another discovery method (see the NETGEAR Insight app and other discovery methods) to discover the switch:
   a. Connect the switch to the Internet.
   b. Use the NETGEAR Insight app to discover the switch:
      i. Tap the bar code on the switch.
      ii. The switch displays in the devices list. Do the following:
         a. Tap the switch IP address in the list and tap CONNECT.
         b. Use the camera on your mobile device to scan the bar code or QR code, or type in the serial number, and then continue with Step 4.
2. By default, the management mode in the device UI is set to Directly Connect to Web. Change the management mode to Insight.

3. To manage the switch remotely from the cloud with the NETGEAR Insight Mobile App and Insight Cloud Portal, radio button.

5. If you did not yet register the switch, click the Register button and specify the username and password, which is password.

6. If you did not yet register the switch with the NETGEAR Insight app, click one of the radio buttons.

7. The PoE and PoE+ power supplied by the switch is prioritized in ascending port order.

8. For each powered device (PD) that is connected to the switch, the associated PoE LED

PoE troubleshooting

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

- The PoE Max LED is solid yellow, disconnect one or more PoE devices to prevent PoE oversubscription.
- The PoE voltage of the port is outside the range that the PD can accept.
- A PoE-related short circuit occurred on the port.

8. If you did not yet register the switch, the Register to activate your warranty page displays. For more information, see the diagram on the following page.

Change the management mode to Insight

Note: Follow this procedure only if you want to change the management mode to NETGEAR Insight.

By default, the management mode in the device UI is set to Directly Connect to Web.

To manage the switch remotely from the cloud with the NETGEAR Insight Cloud Portal or Insight app, we recommend that you use the Insight Cloud Portal.

You can also configure the switch in the device UI. You can use the Insight network password for the Insight network location to which you added the switch.

For more information about configuring the switch from the device UI, see the user manual, which you can download by visiting www.NETGEAR.com/support. 

PoE considerations

The PoE and PoE+ power supplied by the switch is prioritized in ascending port order (from port 1 to port 48), with a total power budget of 380W for model GS1024Tv2 and 760W for model GS752T.”

The following table shows the standard power ranges without overrides applied, calculated with the maximum cable length of 328 feet (100 meters). If a device receives insufficient PoE from the switch, consider using a shorter cable.

<table>
<thead>
<tr>
<th>Device class</th>
<th>Suitable PDs</th>
<th>Maximum power supplied by the switch</th>
<th>Power delivered to the device</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 PoE and 2 PoE</td>
<td>Low power</td>
<td>0.1W – 4.0W</td>
<td>0.1W – 4.0W</td>
</tr>
<tr>
<td>3 PoE and 4 PoE</td>
<td>Mid power</td>
<td>4.1W – 12.95W</td>
<td>4.1W – 12.95W</td>
</tr>
<tr>
<td>5 PoE and 6 PoE</td>
<td>High power</td>
<td>13.0W – 25.5W</td>
<td>13.0W – 25.5W</td>
</tr>
</tbody>
</table>

PoE Fault Condition

A PoE-related short circuit occurred on the port.

The problem is most likely with the attached PD. Check the condition of the PD, restart the PD by disconnecting and reconnecting the PD, or try a shorter cable.

The PoE voltage of the port is outside the range that the switch permits.

The PoE voltage of the port is outside the range that the PD can accept.

The system is not compatible with standard PoE devices.

For more information, visit www.NETGEAR.com/support.

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/downloads/.

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 the device outdoors. The PoE source is intended for intra building connection only.

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 indoor building connection only.

For more information, see the diagram on the following page.