

Do More

Nighthawk X8

AC5300 WiFi VDSL/ADSL Modem Router

Model D8500



NETGEAR®

WiFi Network Name and Password

The preassigned WiFi network name (SSID) and network key (password) are unique to your modem router, like a serial number. Because the modem router automatically uses WiFi security, you don't need to set it up. The WiFi settings are on the modem router's label.



We recommend that you use the preset WiFi settings because you can check the label if you forget them. You can also log in to the modem router to change these settings.

You can write the WiFi settings from the label on your modem router in this space for easy reference. If you change the WiFi settings, write the new settings here for easy reference and store this booklet in a safe place.

WiFi network name (SSID): _____

Network key (password): _____

Join the WiFi Network

You can either use Wi-Fi Protected Setup (WPS) or select your WiFi network and type its password.

Join the WiFi Network Using WPS

For help with the **WPS** button on your WPS-enabled device, check the instructions or online help that came with that computer or device. Some older equipment cannot use WPS.

➤ To join the network using WPS:

1. Press the **WPS** button on the modem router for three to five seconds. The WPS LED on the modem router blinks white.
2. Within two minutes, on your WPS-enabled device, press its **WPS** button or click its onscreen **WPS** button. The WPS LED on the modem router lights solid white when the WPS-enabled device connects to your modem router.
3. Repeat this process to add other WPS-enabled devices.

Join the WiFi Network Using the Modem Router's WiFi Settings

Use the modem router's WiFi network name and password to connect your WiFi-enabled computer or mobile device to the modem router through WiFi. If you did not change the modem router's WiFi network name and password, the modem router's WiFi network name and password are on the modem router's label.

➤ **To select your network and enter its password:**

1. On your WiFi-enabled computer or mobile device, open the WiFi connection manager that manages your WiFi connections.
The WiFi connection manager scans for WiFi networks in your area.
2. Find and select your modem router's WiFi network name (SSID).
The SSID is on the modem router's label.
3. Enter the modem router's password (or your custom password if you changed it) to connect.
The password is on the modem router's label.
4. Repeat Step 1 through Step 3 to connect other WiFi-enabled computers or mobile devices.

View or Change the Modem Router Settings

After you use the NETGEAR installation assistant to set up the modem router, you can log in to the modem router to view or change its settings.

Log In to the Modem Router

➤ To log in to the modem router:

1. Connect a computer or mobile device to the modem router.
You can connect using an Ethernet connection or a WiFi connection:
 - **Ethernet.** To connect using an Ethernet connection, use an Ethernet cable (not included) to connect an Ethernet port on your computer to an Ethernet port on the modem router.
 - **WiFi.** To connect using a WiFi connection, look on the modem router's label for the preassigned WiFi network name and password. Open the WiFi connection manager on your WiFi-enabled computer or mobile device, find the modem router's WiFi network name, and use the modem router's password to connect.
2. Launch a web browser and visit www.routerlogin.net.
A login window opens.

3. Enter the modem router admin user name and password.
The admin user name is **admin**. If you did not change the admin password, the default password is **password**.
The BASIC Home page displays.

Change the WiFi Network Name and Password

The modem router's preset WiFi network name (SSID) and password are on the modem router's label. If you want to change your modem router's WiFi network name and password, log in to the modem router.

➤ To change the modem router's WiFi network name and password:

1. Launch a web browser from a computer or mobile device that is connected to the network and visit www.routerlogin.net.
A login window opens.
2. Enter the modem router admin user name and password.
The admin user name is **admin**. If you did not change the admin password, the default password is **password**.
The BASIC Home page displays.
3. Select **Wireless**.
The Wireless Setup page displays.

4. To change the WiFi network name (SSID), enter a new name in the **Name (SSID)** field.
5. To change the WiFi password, enter a new password in the **Passphrase** field.
6. Click the **Apply** button.
Your settings are saved.

Change the admin Password

➤ To change the admin password:

1. Launch a web browser from a computer or mobile device that is connected to the network and visit www.routerlogin.net.
A login window opens.
2. Enter the modem router admin user name and password.
The admin user name is **admin**. If you did not change the admin password, the default password is **password**.
The BASIC Home page displays.
3. Select **ADVANCED > Administration > Set Password**.
The Set Password page displays.
4. Type your old password and type the new password twice.

5. To be able to recover the password, select the **Enable Password Recovery** check box.

We recommend that you enable password recovery.

6. Select two security questions and provide answers to them.
7. Click the **Apply** button.
Your settings are saved.

Recover a Forgotten admin Password

The default password for the admin user name is **password**. If you changed the password and enabled the password recovery feature, you can retrieve this password.

➤ To retrieve a forgotten admin password:

1. Launch a web browser from a computer or mobile device that is connected to the network and visit www.routerlogin.net.
A login window opens.
2. Click the **Cancel** button.
If password recovery is enabled, you are prompted to enter the serial number of the modem router. The serial number is on the product label.
3. Enter the serial number of the modem router.
4. Click the **Continue** button.
A page displays requesting the answers to your security questions.

5. Enter the saved answers to your security questions.
6. Click the **Continue** button.
A page displays your recovered password.
7. Click the **Login again** button.
A login window opens.
8. With your recovered password, log in to the modem router.

Access a USB Device on the Network

ReadySHARE lets you access and share a USB storage device connected to the modem router's USB ports. (If your USB device uses special drivers, it is not compatible.)

➤ **To access the USB storage device from a Windows computer:**

1. Connect your USB storage device to a USB port on the modem router.
To get the best USB device access speed, use the blue USB 3.0 port on the modem router. It might take up to two minutes before the USB storage device is ready for sharing.
2. On a Windows computer that is connected to the network, select **Start > Run**, enter `\\readyshare` in the dialog box, and click the **OK** button.
A window displays the files and folders on the device.

➤ To access the USB storage device from a Mac:

1. Connect your USB storage device to a USB port on the modem router.
To get the best USB device access speed, use the blue USB 3.0 port on the modem router. It might take up to two minutes before the USB storage device is ready for sharing.
2. On a Mac that is connected to the network, launch Finder and select **Go > Connect to Server**.
The Connect to server window opens.
3. Enter the **smb://readyshare** in the **Server Address** field and click the **Connect** button.
4. When prompted, select the **Guest** radio button.
5. If you set up access control on the modem router and you allowed your Mac to access the network, select the **Registered User** radio button and enter **admin** for the name and **password** for the password.
For more information about access control, see the user manual, which is available online at downloadcenter.netgear.com or through a link in the modem router's user interface.
6. Click the **Connect** button.
A window displays the files and folders on the device.

Enable Dynamic Quality of Service

Dynamic Quality of Service (QoS) resolves Internet traffic congestion when Internet bandwidth is limited by using better application and device identification, bandwidth allocation, and traffic prioritization techniques. If you like gaming and streaming videos, then you can benefit from enabling Dynamic QoS.

Note: If you use a gigabit Internet connection, or your Internet download and upload speed is 300 Mbps or faster, then you don't need to use Dynamic QoS.

➤ To enable Dynamic QoS:

1. Launch a web browser from a computer or mobile device that is connected to the network and visit www.routerlogin.net.
A login window opens.
2. Enter the modem router admin user name and password.
The admin user name is **admin**. If you did not change the admin password, the default password is **password**.
The BASIC Home page displays.
3. Select **Dynamic QoS**.
The Dynamic QoS page displays.

4. Select the **Enable Dynamic QoS** check box.

5. Specify your Internet bandwidth.

You can use Speedtest to detect your Internet bandwidth or you can enter your Internet bandwidth manually. We recommend that you use Speedtest.

To use Speedtest to detect your Internet bandwidth, do the following:

a. For more accurate Speedtest results, make sure that no other devices are accessing the Internet.

b. Click the **Speedtest** button.
Speedtest determines your Internet bandwidth.

6. Click the **Apply** button.

Your settings are saved.

7. To view bandwidth utilization by device and application, click the **Click here to see bandwidth utilization by device and application** link at the bottom of the page.

For more information, see the user manual, which is available online at downloadcenter.netgear.com or through a link in the modem router's user interface.

Enable Smart Connect

Smart Connect selects the fastest WiFi band for your device. For Smart Connect to work, the 2.4 GHz and 5 GHz bands must use the same WiFi network name (SSID) and network key (password).

➤ To enable Smart Connect:

1. Launch a web browser from a computer or mobile device that is connected to the network and visit www.routerlogin.net.

A login window opens.

2. Enter the modem router admin user name and password.

The admin user name is **admin**. If you did not change the admin password, the default password is **password**.

The BASIC Home page displays.

3. Select **Wireless**.

The Wireless Setup page displays.

4. Select the **Smart Connect** check box.

5. Click the **Apply** button.

Your settings are saved.

Set Up Ethernet Port Aggregation

Ethernet aggregation lets you combine two Gigabit Ethernet ports to improve the aggregated file transfer speed. If a device supports Ethernet aggregation, you can use the Ethernet aggregate ports 1 and 2 to cable the device that supports Ethernet port aggregation to the modem router.

Note: Ethernet port aggregation is also referred to as link aggregation, teaming port, and port trunking.

➤ **To set up Ethernet port aggregation:**

1. If you are connecting a switch, make sure that the switch supports 802.3ad LACP.

You must configure the switch before you connect the Ethernet cables to the modem router.

Warning: To avoid causing broadcast looping, which can shut down your network, do not connect an unmanaged switch to Ethernet aggregate port 1 and port 2 on the modem router.

2. Use Ethernet cables to connect a device that supports Ethernet port aggregation, such as a NAS or network switch, to Ethernet port 1 and port 2 on the modem router.

3. Set up Ethernet port aggregation on the device that is connected to Ethernet port 1 and port 2 on the modem router.

For information about how to set up Ethernet port aggregation on your device, see the documentation that came with your device.

For information about viewing the status of the Ethernet port aggregation, see the user manual, which is available online at downloadcenter.netgear.com or through a link in the modem router's user interface.

Remotely Access Your Modem Router Using the genie App

You can use the genie app to remotely access your modem router and change its key settings. Remote access with the genie app is supported for Windows computers, iOS mobile devices, and Android mobile devices. For more information about this feature, see the genie app user manual, which is available online at downloadcenter.netgear.com.

➤ **To set up remote access using the genie app for Windows computers:**

1. Visit www.NETGEAR.com/genie and download the latest version of the genie app for Windows.

2. Create a remote access genie account:
 - a. Connect your computer to the modem router's network.
 - b. Launch the genie app.
 - c. Select **Router Settings**.
The Router Login page displays.
 - d. From the **Login as** menu, select **Remote Access**.
 - e. Click the **Sign up** link.
 - f. Complete the fields to create an account.
3. Log in to your remote access genie account.

The genie app determines if the modem router is registered with your genie account. If the modem router is not registered, follow the on-screen instructions.

After the modem router registers with your genie account, a cloud icon displays on the page. You can now remotely access your modem router from the genie app that is installed on your computer.

Remotely Access Your Modem Router With ReadyCLOUD

ReadyCLOUD allows you to remotely access files on a USB storage device connected to the modem router. For more information about using ReadyCLOUD, see the ReadyCLOUD user manual for routers, which is available online at downloadcenter.netgear.com.

➤ To set up your ReadyCLOUD account and register your modem router:

1. Create a ReadyCLOUD account:
 - a. Visit readycloud.netgear.com and click the **Sign In** link. The Sign In page displays.
 - b. Click the **Create Account** link, complete the fields to set up your account, and click the **Create** button.
2. Set up and register your modem router:
 - a. Connect a USB storage device to a USB port on your modem router.
 - b. Launch a web browser from a computer or mobile device that is connected to the network and visit www.routerlogin.net. The BASIC Home page displays.

- c. Select **ReadySHARE**.
The USB Storage (Basic Settings) page displays.
 - d. Select the **ReadyCLOUD** radio button.
The ReadyCLOUD page displays.
 - e. Enter your ReadyCLOUD user name and password and click the **Register** button.
The modem router is now registered with your ReadyCLOUD account.
3. After registration, visit readycloud.netgear.com and use your ReadyCLOUD user name and password to sign in to your account.
The ReadyCLOUD page displays the modem router that you registered and the contents of the USB storage device that is connected to the modem router.

Set Up VPN Service

VPN service allows remote access to your home network with a secure connection. After you set up VPN service, you can use VPN to access the modem router's USB drive and media and to access your Internet service at home.

VPN service is available for Windows computers, Mac computers, iOS devices, and Android devices.

For more information about how to set up VPN service, see the user manual, which is available online at downloadcenter.netgear.com or through a link in the modem router's user interface.

Back Up With ReadySHARE Vault

Your modem router comes with free backup software for all the Windows computers in your home. Connect a USB hard disk drive (HDD) to the USB port on your modem router for centralized, continuous, and automatic backup.

Note: The following operating systems support ReadySHARE Vault: Windows 7, Windows 8, Windows 8.1, and Windows 10.

➤ To back up your Windows computer:

1. Connect a USB HDD to a USB port on the modem router.
2. Download ReadySHARE Vault from netgear.com/readysware and install it on each Windows computer.
3. Launch ReadySHARE Vault.
The ReadySHARE Vault dashboard displays.
4. Use the dashboard or the **Backup** tab to set up and run your backup jobs.

Print Wirelessly With ReadySHARE Printer

ReadySHARE Printer lets you connect a USB printer to the USB port on the modem router and print wirelessly. Download ReadySHARE Printer from netgear.com/readysshare and install it on your computer.

Support

Thank you for purchasing this NETGEAR product. You can visit www.netgear.com/support to register your product, get help, access the latest downloads and user manuals, and join our community. We recommend that you use only official NETGEAR support resources.

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Compliance

For the current EU Declaration of Conformity, visit http://support.netgear.com/app/answers/detail/a_id/11621/.

For regulatory compliance information, visit www.netgear.com/about/regulatory/.

See the regulatory compliance document before connecting the power supply.



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