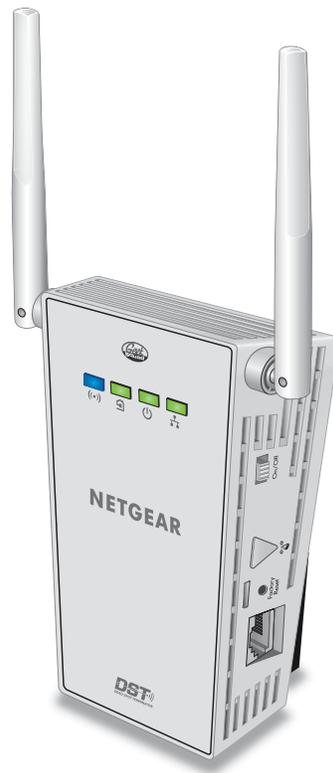


Add-on DST Adapter

Requires Nighthawk R7300 DST Router
Model DST6501

User Manual



October 2015
202-11568-01

350 East Plumeria Drive
San Jose, CA 95134
USA

NETGEAR®

DST
DEAD SPOT TERMINATOR

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.

For additional support, visit www.geeksquad.com to chat online or call 1-800-GeekSquad. Setup and support are included for one year from your Nighthawk R7300 DST router purchase date.

Your Geek Squad support coupon code is GS1337EXB.

Compliance

For regulatory compliance information, visit <http://www.netgear.com/about/regulatory>.

See the regulatory compliance document before connecting the power supply.

Trademarks

NETGEAR, Inc., NETGEAR and the NETGEAR Logo are trademarks of NETGEAR, Inc. GEEK SQUAD, the GEEK SQUAD logo, Dead Spot Terminator and the DST logo are trademarks of Best Buy and its affiliated companies. Any non-NETGEAR trademarks are used for reference purposes only.

Contents

Chapter 1 Hardware Setup

Unpack Your DST Adapter	6
DST Adapter Hardware Features.....	7
DST Adapter LEDs.....	8
DST Adapter Side Panel Hardware Features.....	8
Connect Add-On DST Adapters to the DST Router.....	9

Chapter 2 Connect to the DST Adapter Network and Access the DST Adapter

Connect Devices to the DST Adapter Network	12
Connect to the DST Adapter Network With an Ethernet Cable.....	12
Connect to the DST Adapter Network With a WiFi Connection	12
Log In to the DST Adapter After Initial Setup	14

Chapter 3 Manage DST Adapter’s Encryption Key

Create a New Encryption Key for the DST Adapter.....	16
Use the DST Adapter’s Default Encryption Key	17

Chapter 4 Specify Network Settings for the DST Adapter

Specify Basic WiFi Settings for the DST Adapter	20
Change the DST Adapter WiFi Password or Security Level.....	21

Chapter 5 Manage the DST Adapter Network and Settings

Update the DST Adapter’s Firmware	24
Update the DST Adapter’s Firmware From the DST Router	24
Update the DST Adapter’s Firmware From the DST Adapter	24
Return the DST Adapter to Its Factory Settings.....	25
Use the Factory Reset Button to Restore Factory Settings	26
Erase the DST Adapter Settings	26
View the DST Adapter Status	27
View the DST Adapter’s Statistics	28
Back Up the DST Adapter Configuration	29
Restore Saved Configuration Settings for the DST Adapter.....	30
Update the DST Adapter’s WiFi Settings From the DST Router	31
View the DST Adapter’s WiFi Settings From the DST Router	32
Change the DST Adapter’s Device Name.....	33
Change the DST Adapter’s Device Name From the DST Adapter	33

- Change the DST Adapter’s Device Name From the DST Router 34
- Change the DST Adapter’s admin Password 35
- Turn the LEDs on the DST Adapter On or Off..... 36
- Use WPS to Add a Device to the DST Adapter’s WiFi Network 36
 - Use WPS With the Push Button Method 37
 - Use WPS With the PIN Method..... 38
- View or Change the DST Adapter’s WPS Settings 39
- View or Change DST Adapter Advanced WiFi Settings 40
- Set Up a WiFi Access List for the DST Adapter 41
- View Wired and WiFi Network Devices Connected to the DST Adapter..... 43
- Set Up the DST Adapter to Use a Static IP Address 43

Chapter 6 DST Adapter Troubleshooting

- LEDs Are Off When the DST Adapter Is Plugged In 46
- Power LED Is Off 46
- DST LED Is Off, Amber, or Red 46
- Ethernet LED Is Off..... 46
- Contact Geek Squad 47

Appendix A DST Adapter Supplemental Information

- Technical Specifications 50
- Safety Information 51

Hardware Setup

1

You must install a Nighthawk R7300 DST router and the DST adapter that came with the DST router and set up a DST network before you can set up the add-on DST adapter. For more information, see the *Nighthawk DST AC1900 DST Router and DST Adapter Model R7300DST User Manual*, which is available online at downloadcenter.netgear.com or through a link in the product's user interface.

This chapter contains the following sections:

- *Unpack Your DST Adapter*
- *DST Adapter Hardware Features*
- *Connect Add-On DST Adapters to the DST Router*

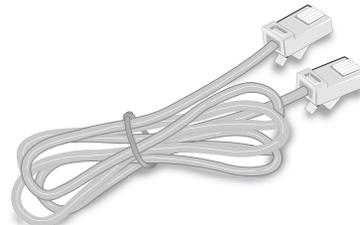
For more information about the topics covered in this manual, visit the support website at support.netgear.com.

Unpack Your DST Adapter

Your package contains the following items.



DST adapter



Ethernet cable

Figure 1. Package contents

DST Adapter Hardware Features

The LEDs, buttons, and Ethernet port are shown in the following figure.

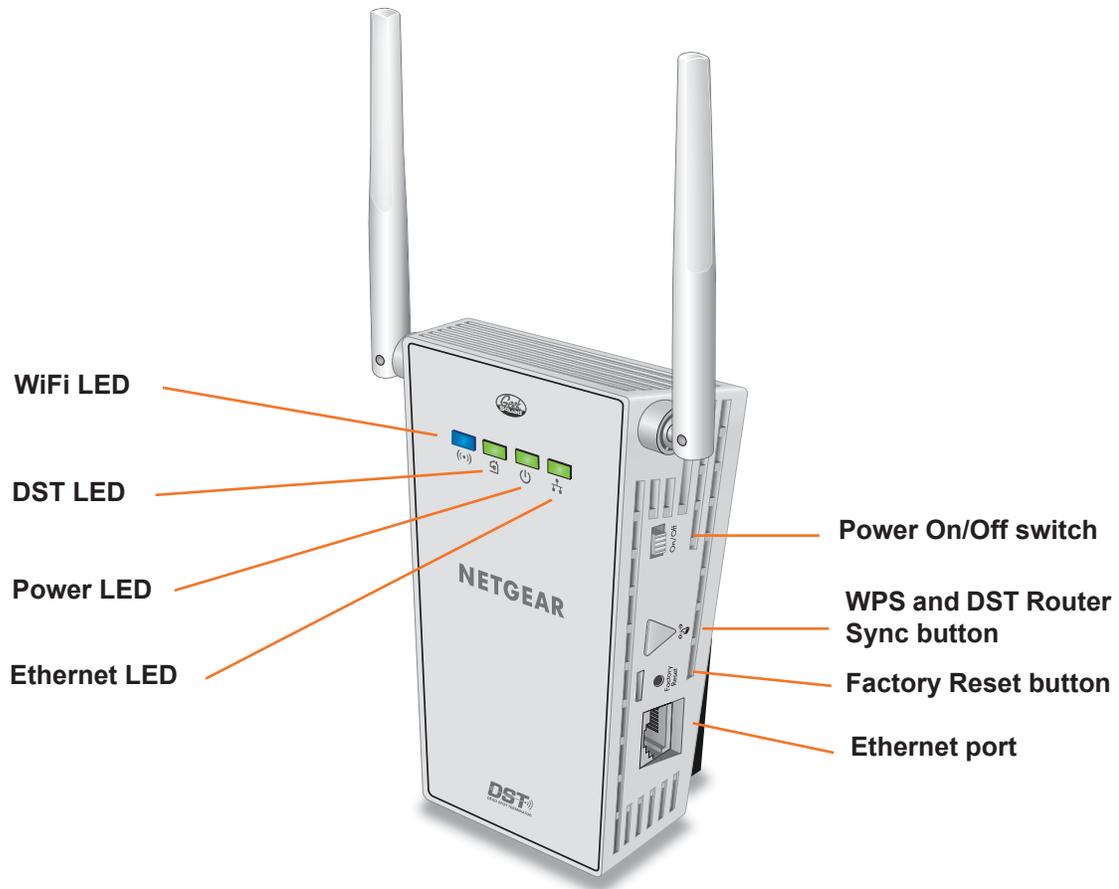


Figure 2. DST adapter hardware features

DST Adapter LEDs

The LEDs on the DST adapter light to indicate DST adapter activity:

Table 1. DST adapter LED descriptions

LED	Description
WiFi LED 	<ul style="list-style-type: none"> • Solid blue. The DST adapter is securely paired with a WiFi device. • Blinking blue. The DST adapter is pairing with a WiFi device. • Off. WiFi is disabled.
DST LED 	This LED indicates when the DST adapter is connected to the electrical outlet with the strongest link performance, indicated by the color displayed by the LED: <ul style="list-style-type: none"> • Red. Link rate < 50 Mbps (good). • Amber. Link rate > 50 and < 80 Mbps (better). • Green. Link rate > 80 Mbps (best). • Off. The DST adapter did not find any other compatible DST devices using the same encryption key.
Power LED 	<ul style="list-style-type: none"> • Solid green. The DST adapter is powered on. • Blinking green. The DST adapter is pairing with another DST device. • Off. The DST adapter is powered off.
Ethernet LED 	<ul style="list-style-type: none"> • Solid green. A powered-on device is connected to the Ethernet port. • Off. No device is connected to this Ethernet port.

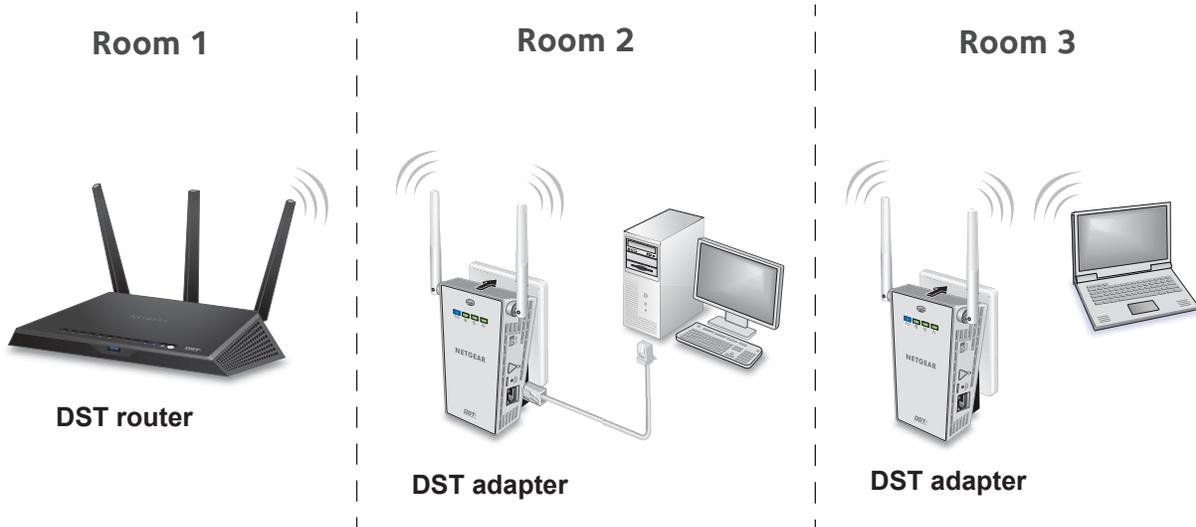
DST Adapter Side Panel Hardware Features

The side panel of the DST adapter contains the following:

- **Power On/Off switch.** Slide the switch to the On position to provide power to the DST adapter.
- **WPS and DST Router Sync button.** Press this button to connect a computer or WiFi device to the DST adapter's network using WPS, or to or to connect to DST router.
- **Factory Reset button.** Pressing the **Factory Reset** button restores the factory default settings.
- **Ethernet port.** The DST adapter uses the Ethernet port to convert a standard electrical wall outlet into a high-speed wired network connection. You can use the wired network connection to bring Internet connectivity to any device with an Ethernet port, such as a computer, game console, Blu-ray player, smart TV, HD set-top box, or network DVR.

Connect Add-On DST Adapters to the DST Router

After you set up your DST network, you can add up to eight DST adapters to extend your DST network to eight more locations.



The following instructions assume that you already set up your DST network. If you did not set up your DST router yet, follow the instructions in the *Nighthawk DST AC1900 DST Router and DST Adapter Model R7300DST User Manual*, which is available online at downloadcenter.netgear.com or through a link in the product's user interface.

➤ To connect additional DST adapters to the DST router:

1. In the room where you want to improve WiFi coverage or add Ethernet, plug your DST adapter into an electrical outlet and wait for the Power LED to light solid green.



WARNING:

Do not plug the DST adapter into extension cords, power strips, or surge protectors.

2. If the Power LED does not light, slide the **Power On/Off** switch to the On position.
3. Wait for the DST adapter to connect to the DST router.
4. Update the encryption key to secure the connection between the DST adapter and the DST router:
 - a. Press the **WPS and DST Adapter Sync** button on the DST router.
 - b. Within two minutes, press the **WPS and DST Router Sync** button on the DST adapter for two seconds.

The Power LED on the DST adapter blinks and the DST LED on the DST router blinks.

Once the connection is made, the following LEDs light:

- The DST LED on the DST adapter lights solid green or amber.
- The DST LED on the DST router lights solid blue.

This process takes between 5 and 80 seconds.

If the DST LED on the DST adapter is red, the link performance is weak. You might want to move the DST adapter to another electrical outlet with a faster connection.

5. Log in to the DST router to update the DST adapter's firmware and WiFi settings:
 - a. Connect a computer or WiFi device to the DST router's network.
 - b. Launch a web browser from a computer or WiFi device that is connected to the network.
 - c. Enter **http://www.routerlogin.net**.

A login window displays.

- d. Enter the DST router user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The BASIC Home page displays.

- e. Select **Remote DST Management**.

Device Name	Update DST Adapter Firmware	Update DST Adapter WiFi Setting	IP Address	Model Name	MAC Address
DST6501_Test	Not available	Already Updated	192.168.1.2	DST6501	C0:FF:D4:DE:F4:A1
	<input type="button" value="Update All"/>	<input type="button" value="Update All"/>			

- f. In the Update DST Adapter Firmware and Update DST Adapter WiFi Settings columns, click the **Update All** buttons.

You can only click the **Update All** buttons only if new firmware or WiFi settings are available.

2

2 Connect to the DST Adapter Network and Access the DST Adapter

You can connect to the DST router's network using a WiFi or wired Ethernet connection.

This chapter contains the following sections:

- *Connect Devices to the DST Adapter Network*
- *Log In to the DST Adapter After Initial Setup*

Connect Devices to the DST Adapter Network

You can connect your computer or WiFi devices to the DST adapter using a wired Ethernet connection, a WPS connection, or a WiFi connection. For the best WiFi performance, make sure that your computer or WiFi device is in the same room as the DST adapter.

Connect to the DST Adapter Network With an Ethernet Cable

You can connect your computer to the DST adapter using an Ethernet cable.

➤ **To connect your computer to the DST adapter with an Ethernet cable:**

1. Make sure that the DST adapter is receiving power (its Power LED is lit).
2. Connect an Ethernet cable to an Ethernet port on your computer.
3. Connect the other end of the Ethernet cable to the Ethernet port on the DST adapter.

Your computer connects to the local area network (LAN). A message might display on your computer page to notify you that an Ethernet cable is connected.

Connect to the DST Adapter Network With a WiFi Connection

If you updated the DST adapter's WiFi settings using the DST router's installation assistant, the DST adapter's WiFi settings are based on the DST router's WiFi settings. If you did not update the DST adapter's WiFi settings yet, launch a web browser to display the DST router's and DST adapter's WiFi settings.

If you want to manually update the DST adapter's WiFi settings, log in to the DST router. For more information, see [Update the DST Adapter's WiFi Settings From the DST Router](#) on page 31.

The following table shows examples of what multiple DST adapters' SSIDs and passwords are, based on the DST router's SSID and password.

Table 2. DST adapter WiFi network name and password examples

Product	2.4 GHz WiFi Settings	5 GHz WiFi Settings
DST router	<ul style="list-style-type: none"> • SSID. NETGEAR4 • Password. Coconut234 	<ul style="list-style-type: none"> • SSID. NETGEAR4-5G • Password. Coconut234
DST adapter 1	<ul style="list-style-type: none"> • SSID. NETGEAR4_EXT • Password. Coconut234 	<ul style="list-style-type: none"> • SSID. NETGEAR4-5G_EXT • Password. Coconut234
DST adapter 2	<ul style="list-style-type: none"> • SSID. NETGEAR41_EXT • Password. Coconut234 	<ul style="list-style-type: none"> • SSID. NETGEAR4-5G1_EXT • Password. Coconut234
DST adapter 3	<ul style="list-style-type: none"> • SSID. NETGEAR42_EXT • Password. Coconut234 	<ul style="list-style-type: none"> • SSID. NETGEAR4-5G2_EXT • Password. Coconut234

➤ **To manually find and select the DST adapter WiFi network:**

1. Make sure that the DST adapter is receiving power (its Power LED is lit).
2. On the WiFi device that you want to connect to your DST adapter, open the software application that manages your WiFi connections.

This software scans for all WiFi networks in your area.

3. Look for the DST adapter's WiFi network name (SSID) and select it.

The DST adapter's WiFi network name is based on the DST router's SSID with `_EXT` added at the end of the name. If more than one DST adapter is connected to the DST router, for every additional DST adapter after the first, a number is added before `_EXT`.

4. Enter the DST adapter's WiFi password.

The DST adapter's WiFi password is the same as the DST router's WiFi password.

Your WiFi device connects to the WiFi network.

Connect to the DST Adapter Network With a WPS Connection

Wi-Fi Protected Setup (WPS) is a standard for easily adding computers and other devices to a home network while maintaining security. To use WPS (Push 'N' Connect), make sure that all WiFi devices to be connected to the network are Wi-Fi certified and support WPS. During the connection process, the client gets the security settings from the DST router so that every device in the network supports the same security settings.

➤ **To use WPS to connect to the DST adapter's WiFi network:**

1. Make sure that the DST router is receiving power (its Power LED is lit).
2. Check the WPS instructions for your computer or WiFi device.
3. Press and hold the **WPS and DST Router Sync** button on the DST adapter for two seconds.

The WiFi LED on the DST adapter blinks.

4. Within two minutes, press the **WPS** button on your WiFi device (such as a computer, tablet, or smartphone).

When the WiFi LED stops blinking, your computer or WiFi device is automatically connected to the DST adapter and you can access the Internet from your computer or WiFi device.

Note: Make sure that your WiFi device is in the same room as the DST adapter that you are connecting to.

Log In to the DST Adapter After Initial Setup

After you connect the DST adapter to the DST router's network, you can log in to the DST adapter to view or change its settings.

➤ **To log in to the DST adapter after the initial setup:**

1. With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.
2. Launch a web browser from the computer.
3. Enter **http://www.mywifiext.net**.

A login window displays.

4. Enter the DST adapter user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The Status page displays.

3 Manage DST Adapter's Encryption Key

3

This chapter contains the following sections:

- *Create a New Encryption Key for the DST Adapter*
- *Use the DST Adapter's Default Encryption Key*

Create a New Encryption Key for the DST Adapter

After you connect your add-on DST adapter to the DST network, the DST adapter's uses the same encryption key as the DST network. If you did not change the DST network's encryption key, the DST network uses the default encryption key, which is HomePlugAV

If you change the DST adapter's encryption key, the DST router and DST adapters on your DST network you must use the same encryption key. If the DST adapter uses a different encryption key than the DST router, it will no longer be connected to your network.

➤ **To create a new encryption key for the DST adapter:**

1. With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.
2. Launch a web browser from the computer.
3. Enter **http://www.mywifiext.net**.

A login window displays.

4. Enter the DST adapter user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The Status page displays.

5. Select **ADVANCED > DST Settings**.

DST Settings

Cancel Apply

DST Adapter Name

DST Adapter Encryption Key Settings

No change to the encryption key

Use default encryption key

Create new encryption key

Configure remote DST settings

Device Name	Model Name	MAC Address	Key Type	Encryption Key	LED Status
R7300	R7300DST	c0:ff:d4:dc:52:1e	Public	<input type="checkbox"/> Apply same key	N/A

LED Status

6. Select the **Create new encryption key** radio button.

The encryption key must be a value of 8 to 63 ACSCII characters.

7. Enter a new encryption key in the field.
8. Make sure that the **Apply same key** check box next to your DST router and next to each DST adapter and that your own is selected.

Note: The DST router and DST adapters on your network must use the same encryption key. If the DST adapters on your network use a different encryption key than the DST router, they will no longer be connected to your network.

9. Click the **Apply** button.
Your settings are saved.

Use the DST Adapter's Default Encryption Key

The DST adapter's default encryption key is HomePlugAV. If you do not change the default encryption key, after you connect your DST adapter to the DST network, the DST adapter use the same default encryption key.

Note: The **No change to the encryption key** radio button is automatically selected when you visit the DST Settings page. This is the default option. If you select this option and click the **Apply** button, the encryption key does not change the DST network encryption key and the DST network is not disconnected.

- **To change the DST adapter's encryption key back to the default encryption key:**
1. With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.
 2. Launch a web browser from the computer.
 3. Enter **http://www.mywifiext.net**.
A login window displays.
 4. Enter the DST adapter user name and password.
The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.
The Status page displays.

5. Select **ADVANCED > DST Settings**.

DST Settings

Cancel Apply

DST Adapter Name: DST6501

DST Adapter Encryption Key Settings

No change to the encryption key

Use default encryption key

Create new encryption key

HomePlugAV

Configure remote DST settings

Device Name	Model Name	MAC Address	Key Type	Encryption Key	LED Status
R7300	R7300DST	c0:ff:d4:dc:52:1e	Public	<input type="checkbox"/> Apply same key	N/A

LED Status: ON

6. Select the **Use default encryption key** radio button.

7. Make sure that the **Apply same key** check box next to your DST router and next to each DST adapter and that your own is selected.

Note: The DST router and DST adapters on your network must use the same encryption key. If the DST adapters on your network use a different encryption key than the DST router, they will no longer be connected to your network.

8. Click the **Apply** button.

Your settings are saved.

4

4 Specify Network Settings for the DST Adapter

This chapter includes the following sections:

- *Specify Basic WiFi Settings for the DST Adapter*
- *Change the DST Adapter WiFi Password or Security Level*

Specify Basic WiFi Settings for the DST Adapter

➤ To specify basic WiFi settings for the DST adapter:

1. With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.
2. Launch a web browser from the computer.
3. Enter **http://www.mywifiext.net**.

A login window displays.

4. Enter the DST adapter user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The Status page displays.

5. Select **Setup > Wireless Settings**.

6. To change the network name (SSID), type a new name in the **Name (SSID)** field.
7. The name can be up to 32 characters long and it is case-sensitive. If you change the name, make sure to write down the new name and keep it in a safe place.
8. To change the WiFi channel, select a number in the **Channel** menu.

In some regions, not all channels are available. Do not change the channel unless you experience interference (shown by lost connections or slow data transfers). If this happens, experiment with different channels to see which is the best.

When you use multiple access points, it is better if adjacent access points use different channels to reduce interference. The recommended channel spacing between adjacent access points is four channels (for example, use Channels 1 and 5, or 6 and 10).

9. To change the mode, select it from the **Mode** menu.

For 2.4 GHz, **Up to 200 Mbps** is the default setting. The other settings are **Up to 65 Mbps** and **Up to 54 Mbps**.

For 5 GHz, **Up to 433 Mbps** is the default setting, which allows 802.11ac and 802.11a WiFi devices to join the network. The other settings are **Up to 200 Mbps**, **Up to 87 Mbps**, and **Up to 54 Mbps**.

10. Click the **Apply** button.

Your settings are saved.

If you connected wirelessly to the network and you changed the SSID, you are disconnected from the network.

11. Make sure that you can connect wirelessly to the network with its new settings.

If you cannot connect wirelessly, check the following:

- Is your computer or WiFi device connected to another WiFi network in your area? Some WiFi devices automatically connect to the first open network without WiFi security that they discover.
- Is your computer or WiFi device trying to connect to your network with its old settings (before you changed the settings)? If so, update the WiFi network selection in your computer or WiFi device to match the current settings for your network.

Change the DST Adapter WiFi Password or Security Level

➤ To change the DST adapter WiFi password or security level:

1. With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.
2. Launch a web browser from the computer.
3. Enter **http://www.mywifiext.net**.

A login window displays.

4. Enter the DST adapter user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The Status page displays.

5. Select **Setup > Wireless Settings**.

6. Under **Security Options**, select a WPA options.

The WPA2 options use the newest standard for the strongest security, but some older computers and WiFi devices cannot use WPA2. By default, the **WPA2-PSK [AES]** radio button is selected.

The **Password** field displays.

7. In the **Password** field, enter the network key (password) that you want to use.

It is a text string from 8 to 63 characters.

8. Write down the new password and keep it in a secure place for future reference.

9. Click the **Apply** button.

Your settings are saved.

5 Manage the DST Adapter Network and Settings

5

This chapter covers the following topics:

- *Update the DST Adapter's Firmware*
- *Return the DST Adapter to Its Factory Settings*
- *View the DST Adapter Status*
- *View the DST Adapter 's Statistics*
- *Back Up the DST Adapter Configuration*
- *Restore Saved Configuration Settings for the DST Adapter*
- *Update the DST Adapter's WiFi Settings From the DST Router*
- *View the DST Adapter's WiFi Settings From the DST Router*
- *Change the DST Adapter's Device Name*
- *Change the DST Adapter's admin Password*
- *Turn the LEDs on the DST Adapter On or Off*
- *Use WPS to Add a Device to the DST Adapter's WiFi Network*
- *View or Change the DST Adapter's WPS Settings*
- *View or Change DST Adapter Advanced WiFi Settings*
- *Set Up a WiFi Access List for the DST Adapter*
- *View Wired and WiFi Network Devices Connected to the DST Adapter*
- *Set Up the DST Adapter to Use a Static IP Address*

Update the DST Adapter's Firmware

You can update the DST adapter's firmware by from the DST router or the DST adapter.

Update the DST Adapter's Firmware From the DST Router

➤ **To update the DST adapter's firmware by logging in to the DST router:**

1. Launch a web browser from a computer or WiFi device that is connected to the network.
2. Enter **http://www.routerlogin.net**.

A login window displays.

3. Enter the DST router user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The BASIC Home page displays.

4. Select **Remote DST Management**.

Remote DST Management					
Device Name	Update DST Adapter Firmware	Update DST Adapter WiFi Setting	IP Address	Model Name	MAC Address
DST6501_Test	Not available	Already Updated	192.168.1.2	DST6501	C0:FF:D4:DE:F4:A1
	<input type="button" value="Update All"/>	<input type="button" value="Update All"/>			

5. In the Update DST Adapter Firmware column, click the **Update All** button.

You can only click on the **Update All** button only if new firmware is available.

The firmware is updated.



WARNING:

To avoid the risk of corrupting the firmware, do not interrupt the upgrade. For example, do not close the browser, click a link, or load a new page. Do not turn off the DST adapter and the DST router.

Update the DST Adapter's Firmware From the DST Adapter

Unless you changed the settings on the Firmware Update page previously, the DST adapter is set up to check for new firmware automatically when you log in. You can also check for new firmware.

➤ **To log in to the DST adapter and check to see if new firmware is available and update the DST adapter's firmware:**

1. With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.
2. Launch a web browser from the computer.
3. Enter **http://www.mywifiext.net**.

A login window displays.

4. Enter the DST adapter user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The Status page displays.

5. Select **Maintenance > Firmware Update**.



6. Click the **Check** button.

The DST adapter finds new firmware information if any is available and displays a message asking if you want to download and install it.

7. Click the **Yes** button.

The DST adapter locates and downloads the firmware and begins the update.

8. Click the **Browse** button.

9. Locate and select the new firmware file.



WARNING:

To avoid the risk of corrupting the firmware, do not interrupt the upgrade. For example, do not close the browser, click a link, or load a new page. Do not turn off the DST adapter.

Return the DST Adapter to Its Factory Settings

To reset the DST adapter to its factory settings, you can use the **Factory Reset** button or the Erase feature.

Use the Factory Reset Button to Restore Factory Settings



CAUTION:

This process erases any settings that you have configured in the DST adapter.

➤ To restore factory settings:

1. Insert a paper clip into the **Factory Reset** hole and hold it for two seconds, and then release the button.

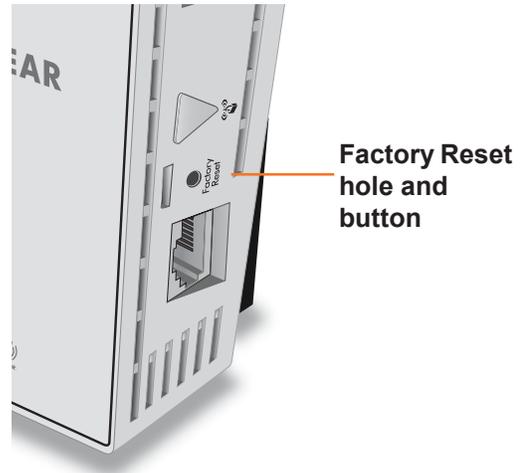
The Power LED blinks green.

All the LEDs turn off after 3 seconds, and then the Power LED lights solid green for about 30 seconds.

2. Check the DST adapter status.

The other LEDs show the DST adapter's status:

- **WiFi LED.** The WiFi LED lights solid blue if WiFi is enabled.
- **DST LED.** The DST LED lights if a compatible DST device is connected to the DST adapter.
- **Ethernet LED.** The Ethernet LED lights if a powered-on device is connected to the DST adapter's Ethernet port.



Erase the DST Adapter Settings

You can erase the current configuration and restore the factory default settings.



CAUTION:

This process erases any settings that you configured in the DST adapter.

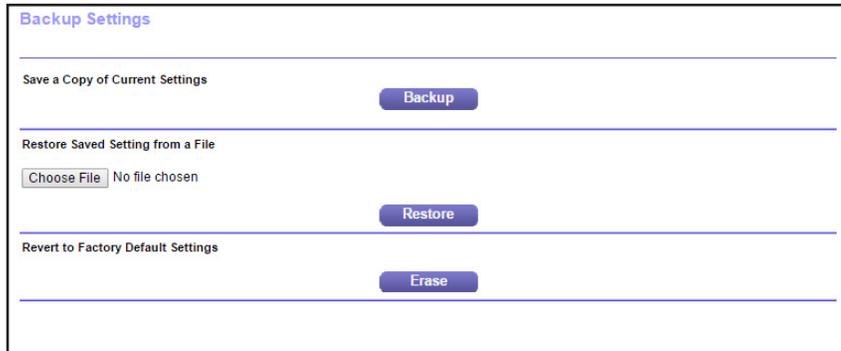
➤ To erase the DST adapter's current settings:

1. With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.
2. Launch a web browser from the computer.
3. Enter **http://www.mywifiext.net**.
A login window displays.
4. Enter the DST adapter user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The Status page displays.

5. Select **Maintenance > Backup Settings**.



CAUTION:

After you click the **Erase** button, do not try to go online, turn off the DST adapter, shut down the computer, or do anything else to the DST adapter until it finishes restarting.

6. Click the **Erase** button.

A confirmation pop-up window displays.

7. Confirm your decision.

The DST adapter restarts. This process takes about one minute.

View the DST Adapter Status

➤ **To view the status of the DST adapter:**

1. With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.
2. Launch a web browser from the computer.
3. Enter **http://www.mywifiext.net**.

A login window displays.

4. Enter the DST adapter user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

Status	
Hardware Version	DST6501
Firmware Version	V1.0.0.28
GUI Language Version	V1.0.4
<hr/>	
Extender IP Info	
MAC Address	C0:FF:D4:DE:F4:A0
IP Address	192.168.1.2
DHCP Client	ON
IP Subnet Mask	255.255.255.0
Gateway IP Address	192.168.1.1
Domain Name Server	192.168.1.1
<hr/>	
Wireless Settings(2.4GHz)	
Name (SSID)	NETGEAR82_EXT
Region	North America
Channel	Auto(1)
Wireless mode	Up to 200 Mbps
Wireless AP	ON
Broadcast Name	ON
Wi-Fi Protected Setup	Configured
<hr/>	
Wireless Settings(5GHz)	
Name (SSID)	NETGEAR82-5G_EXT
Region	North America
Channel	149+153(P)+157+161
Wireless mode	Up to 433 Mbps
Wireless AP	ON
Broadcast Name	ON
Wi-Fi Protected Setup	Configured
<input type="button" value="Refresh"/> <input type="button" value="Reboot"/> <input type="button" value="Show Statistics"/>	

View the DST Adapter 's Statistics

➤ To view the DST adapter's statistics:

1. With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.
2. Launch a web browser from the computer.
3. Enter **http://www.mywifiext.net**.
A login window displays.
4. Enter the DST adapter user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

Status

Hardware Version	DST6501
Firmware Version	V1.0.0.28
GUI Language Version	V1.0.4

Extender IP Info

MAC Address	C0:FF:D4:DE:F4:A0
IP Address	192.168.1.2
DHCP Client	ON
IP Subnet Mask	255.255.255.0
Gateway IP Address	192.168.1.1
Domain Name Server	192.168.1.1

Wireless Settings(2.4GHz)

Name (SSID)	NETGEAR82_EXT
Region	North America
Channel	Auto(1)
Wireless mode	Up to 200 Mbps
Wireless AP	ON
Broadcast Name	ON
Wi-Fi Protected Setup	Configured

Wireless Settings(5GHz)

Name (SSID)	NETGEAR82-5G_EXT
Region	North America
Channel	149+153(P)+157+161
Wireless mode	Up to 433 Mbps
Wireless AP	ON
Broadcast Name	ON
Wi-Fi Protected Setup	Configured

Refresh
Reboot
Show Statistics

- Click the **Show Statistics** button.

System Up Time: 00:04:24

Port	Status	TxPkts	RxPkts	Collisions	TX B/s	RX B/s	Up Time
LAN	1000Mbps/Full	6413	4057	0	14136	5160	00:02:38
WLAN(2.4G)	200Mbps	0	0	0	0	0	00:03:59
WLAN(5G)	433Mbps	0	0	0	0	0	00:03:59

Poll Interval: (secs)

Set Interval
Stop

- To change the polling frequency, enter a time in seconds in the **Poll Interval** field and click the **Set Interval** button.

To stop the polling entirely, click the **Stop** button.

Back Up the DST Adapter Configuration

When the DST adapter works correctly after initial setup, we recommend that you back up the DST adapter configuration settings. After you back up the settings, if you change the DST adapter settings but are not content with the new settings, you can restore the backed-up DST adapter configuration settings.

➤ To back up the DST adapter configuration settings:

- With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.

2. Launch a web browser from the computer.
3. Enter **http://www.mywifiext.net**.

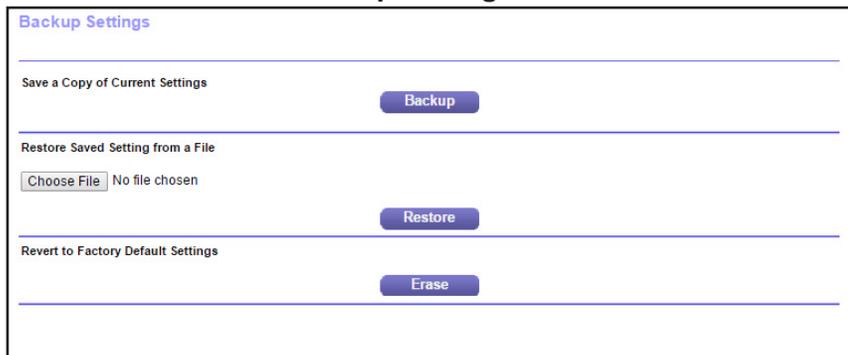
A login window displays.

4. Enter the DST adapter user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The Status page displays.

5. Select **Maintenance > Backup Settings**.



The screenshot shows the 'Backup Settings' page. It has three main sections, each separated by a horizontal line. The first section is 'Save a Copy of Current Settings' with a blue 'Backup' button. The second section is 'Restore Saved Setting from a File' with a 'Choose File' button (displaying 'No file chosen') and a blue 'Restore' button. The third section is 'Revert to Factory Default Settings' with a blue 'Erase' button.

6. Click the **Backup** button.
7. If your web browser is not set up to save downloaded files automatically, locate where you want to save the file.

The configuration settings file downloads to your computer.

The name of the file is `NETGEAR_DST6501.cfg`.

Restore Saved Configuration Settings for the DST Adapter

You can restore the configuration settings file of the DST adapter to a previously saved configuration settings file.

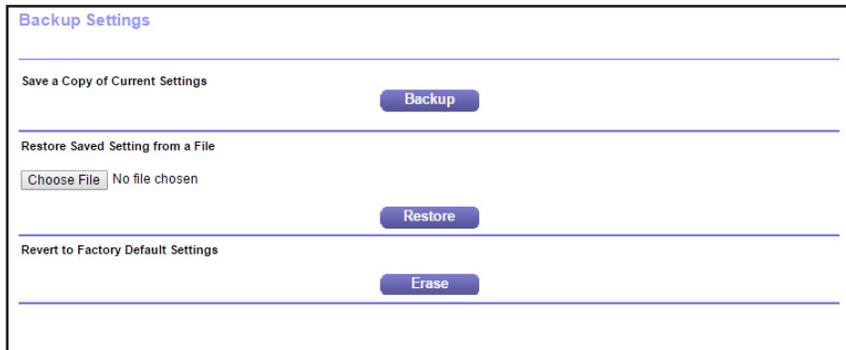
➤ To restore the DST adapter configuration settings:

1. With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.
2. Launch a web browser from the computer.
3. Enter **http://www.mywifiext.net**.
A login window displays.
4. Enter the DST adapter user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The Status page displays.

5. Select **Maintenance > Backup Settings**.



6. Click the **Choose File** button.

7. Locate and select the previously saved configuration settings file.

The name of the file is `NETGEAR_DST6501.cfg`.



CAUTION:

After you click the **Restore** button, do not try to go online, turn off the DST adapter, shut down the computer, or do anything else to the DST adapter until it finishes restarting.

8. Click the **Restore** button.

A confirmation pop-up window displays.

9. Confirm your decision.

The DST adapter restarts. This process takes about one minute.

Update the DST Adapter's WiFi Settings From the DST Router

The DST adapter's WiFi settings are based on the DST router's WiFi settings. If you changed the DST router's WiFi settings, log in to the DST router to update the DST adapter's WiFi settings.

When you update the DST adapter's WiFi settings, the DST adapter's SSID is set to the DST router's SSID with `_EXT` added at the end. The DST adapter's WiFi password is the same as the DST router's WiFi password. If you change the DST router's WiFi settings, you must update the DST adapter's WiFi settings again.

➤ **To update the DST adapter's WiFi settings by logging in to the DST router:**

1. Launch a web browser from a computer or WiFi device that is connected to the network.
2. Enter **http://www.routerlogin.net**.

A login window displays.

3. Enter the DST router user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The BASIC Home page displays.

4. Select **Remote DST Management**.

Device Name	Update DST Adapter Firmware	Update DST Adapter WiFi Setting	IP Address	Model Name	MAC Address
DST6501_Test	Not available	Already Updated	192.168.1.2	DST6501	C0:FF:D4:DE:F4:A1
	Update All	Update All			

5. In the Update DST Adapter WiFi Settings column, click the **Update All** button.

You can click on the **Update All** button only if the WiFi settings must be updated.

The DST adapter's WiFi settings are updated.

View the DST Adapter's WiFi Settings From the DST Router

You can view the IP address, model name, and MAC address for each DST adapter in your network.

➤ **To view the DST adapter settings:**

1. Launch a web browser from a computer or WiFi device that is connected to the network.
2. Enter **http://www.routerlogin.net**.

A login window displays.

3. Enter the DST router user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The BASIC Home page displays.

4. Select **Remote DST Management**.

Remote DST Management					
Device Name	Update DST Adapter Firmware	Update DST Adapter WiFi Setting	IP Address	Model Name	MAC Address
DST6501_Test	Not available	Already Updated	192.168.1.2	DST6501	C0:FF:D4:DE:F4:A1
	<input type="button" value="Update All"/>	<input type="button" value="Update All"/>			

The following information about your DST adapters display:

- **Device name.** The DST adapter's name. You can change the DST adapter's name on the DST settings page. For more information, see [Change the DST Adapter's Device Name on page 33](#).
- **IP address.** The IP address of the DST adapter.
- **Model name.** The model number of the DST adapter.
- **MAC address.** The MAC address for the DST adapter. This is also on the product label, which might not be visible when the device is plugged in.

Change the DST Adapter's Device Name

You can change the DST adapter's device name that displays on the DST router's and DST adapter's DST Settings pages by logging in to the DST adapter or DST router.

Change the DST Adapter's Device Name From the DST Adapter

➤ **To change the DST adapter's device name by logging into the DST adapter:**

1. With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.
2. Launch a web browser from the computer.
3. Enter **http://www.mywifiext.net**.

A login window displays.

4. Enter the DST adapter user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The Status page displays.

5. Select **Advanced > DST Settings**.

6. In the **DST Adapter Name** field, enter a new device name for the DST adapter.

7. Click the **Apply** button.

Your settings are saved.

Change the DST Adapter’s Device Name From the DST Router

You can change the DST adapter’s device name if you are logged in to the DST router.

➤ **To change the DST adapter’s device name by logging in to the DST router:**

1. Launch a web browser from a computer or WiFi device that is connected to the network.
2. Enter **http://www.routerlogin.net**.

A login window displays.

3. Enter the DST router user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The BASIC Home page displays.

4. Select **ADVANCED > Advanced Setup > DST Settings**.

5. In the table, find your DST adapter and enter a new device name in the **Device Name** field.

6. Click the **Apply** button.

Your settings are saved.

Change the DST Adapter's admin Password

The user name to access the DST adapter is admin, and its default password is password. We strongly recommend that you set a more secure password.

➤ To change the password for the DST adapter:

1. With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.
2. Launch a web browser from the computer.
3. Enter **http://www.mywifiext.net**.

A login window displays.

4. Enter the DST adapter user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The Status page displays.

5. Select **Maintenance > Set Password**.

6. Type the old password.
7. Type the new password twice.
8. Click the **Apply** button.

Your changes are saved.

Note: If you forget your new admin password, use the **Factory Reset** button to factory reset the DST adapter. The password resets to the default password, which is **password**. The user name remains as **admin**. The user name and password are case-sensitive. For more information about how to factory reset your DST adapter, see [Use the Factory Reset Button to Restore Factory Settings](#) on page 26.

Turn the LEDs on the DST Adapter On or Off

You can turn the WiFi LED, DST LED, and Ethernet LED on or off. The default value is ON. Note that the Power LED remains on if you turn the LEDs off.

➤ **To turn the LEDs on the DST adapter on or off:**

1. With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.
2. Launch a web browser from the computer.
3. Enter **http://www.mywifiext.net**.

A login window displays.

4. Enter the DST adapter user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The Status page displays.

5. Select **Advanced > DST Settings**.

Device Name	Model Name	MAC Address	Key Type	Encryption Key	LED Status
R7300	R7300DST	c0:ff:d4:dc:52:1e	Public	<input type="checkbox"/> Apply same key	N/A

6. From the **LED Status** menu, select an option:
 - **ON**. Turns on the WiFi LED, DST LED, and Ethernet LED.
 - **OFF**. Turns off the WiFi LED, DST LED, and Ethernet LED.
7. Click the **Apply** button.

Your settings are saved.

Use WPS to Add a Device to the DST Adapter's WiFi Network

WPS (Wi-Fi Protected Setup) lets you connect a computer or WiFi device to the DST adapter's network without entering the WiFi network passphrase or key. Instead, you use a **WPS** button or enter a PIN to connect.

Note: For instructions about how to use the physical **WPS** button on the DST adapter, see *Connect to the DST Adapter Network With a WPS Connection* on page 13.

Use WPS With the Push Button Method

For you to use the push button method to connect a WiFi device to the DST adapter's WiFi network, the WiFi device that you are trying to connect must provide either a physical button or a software button. You can use the physical button and software button to let a WiFi device join only the main WiFi network, not the guest WiFi network.

➤ **To use WPS with the push button method to join the DST adapter's main WiFi network:**

1. With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.
2. Launch a web browser from the computer.
3. Enter **http://www.mywifiext.net**.

A login window displays.

4. Enter the DST adapter user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The Status page displays.

5. Select **Add WPS Client**.

The Add WPS Client page displays.

6. Click the **Next** button.

By default, the **Push Button (recommended)** radio button is selected.

7. Either click the  button onscreen or press the **WPS** button on the DST adapter.

For two minutes, the DST adapter attempts to find the WiFi device (that is, the client) that you want to join the DST adapter's main WiFi network.

8. Within two minutes, go to the WiFi device and use its **WPS** button to connect to the DST adapter's WiFi network.

The WPS process automatically sets up your WiFi device with the network password when it connects. The DST adapter WPS page displays a confirmation message.

Use WPS With the PIN Method

To use the PIN method to connect a WiFi device to the DST adapter's WiFi network, you must know the PIN of the WiFi device that you are trying to connect.

➤ **To using WPS with the PIN method to join the DST adapter's WiFi network:**

1. With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.
2. Launch a web browser from the computer.
3. Enter **http://www.mywifiext.net**.

A login window displays.

4. Enter the DST adapter user name and password.

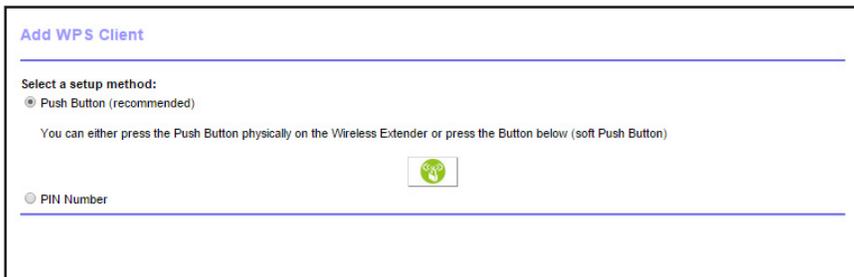
The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The Status page displays.

5. Select **Add WPS Client**.

The Add WPS Client page displays.

6. Click the **Next** button.



By default, the **Push Button (recommended)** radio button is selected.

7. Select the **PIN Number** radio button.



8. In the **Enter Clients' PIN** field, enter the PIN number of the WiFi device.
9. Click the **Continue** button.

The DST adapter attempts to find the WiFi device (that is, the client) that you want to join the DST adapter's WiFi network.

10. Within two minutes, go to the WiFi device and use its WPS software to join the network without entering a password

The WPS process automatically sets up your WiFi device with the network password when it connects. The DST adapter WPS page displays a confirmation message.

View or Change the DST Adapter's WPS Settings

➤ To view or change the DST adapter's WPS settings:

1. With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.
2. Launch a web browser from the computer.
3. Enter **http://www.mywifiext.net**.

A login window displays.

4. Enter the DST adapter user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The Status page displays.

5. Select **Advanced > Wireless Settings**.

The screenshot shows the 'Advanced Wireless Settings' page. At the top, there are 'Cancel' and 'Apply' buttons. Below that, there are several checked checkboxes for wireless settings: 'Enable Wireless Access Point(2.4GHz)', 'Enable SSID Broadcast(2.4GHz)', 'Enable 20/40 MHz Coexistence(2.4GHz)', 'Enable Wireless Access Point(5GHz)', and 'Enable SSID Broadcast(5GHz)'. The 'WPS Settings' section is highlighted, showing 'Device's PIN: 13814083'. Underneath, there are more checkboxes: 'Enable Device's PIN', 'To prevent PIN compromise, auto disable the PIN after 3 failed PIN connections, until device reboots. In auto disabled mode, device's WPS LED will keep blinking slowly', 'Keep Existing Wireless Settings(2.4GHz b/g/n)', and 'Keep Existing Wireless Settings(5GHz a/n/ac)'. At the bottom, there is a 'Wireless Card Access List' section with a 'Setup Access List' button.

In the WPS Settings section displays the DST adapter's PIN. You cannot change this number.

6. In the WPS Settings section, change the settings as needed:
 - **Enable Device's PIN**. By default, this check box is selected so that it is possible to use the WPS PIN method to connect to the DST adapter's network.

- **To prevent PIN compromise...** By default, this check box is selected. This feature lets you specify the maximum number of times someone can try to enter the DST adapter's PIN to connect with WPS before the DST adapter disables its PIN.
- **Keep Existing Wireless Settings (2.4 GHz b/g/n).** By default, this check box is selected so that the SSID and passphrase stay the same when you use WPS to connect to the 2.4 GHz band. We recommend that you leave this check box selected.
- **Keep Existing Wireless Settings (5 GHz a/n/ac).** By default, this check box is selected so that the SSID and passphrase stay the same when you use WPS to connect to the 5 GHz band. We recommend that you leave this check box selected.

7. Click the **Apply** button.

Your settings are saved.

View or Change DST Adapter Advanced WiFi Settings

Use care when changing the WiFi settings. Incorrect settings might disable the DST adapter's WiFi networks unexpectedly.

➤ To view or change the advanced WiFi settings:

1. With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.
2. Launch a web browser from the computer.
3. Enter **http://www.mywifiext.net**.

A login window displays.

4. Enter the DST adapter user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The Status page displays.

5. Select **Advanced > Wireless Settings**.

Advanced Wireless Settings

Cancel Apply

- Enable Wireless Access Point(2.4GHz)
- Enable SSID Broadcast(2.4GHz)
- Enable 20/40 MHz Coexistence(2.4GHz)
- Enable Wireless Access Point(5GHz)
- Enable SSID Broadcast(5GHz)

WPS Settings

Device's PIN: 13814083

- Enable Device's PIN
- To prevent PIN compromise, auto disable the PIN after 3 failed PIN connections, until device reboots. In auto disabled mode, device's WPS LED will keep blinking slowly
- Keep Existing Wireless Settings(2.4GHz b/g/n)
- Keep Existing Wireless Settings(5GHz a/n/ac)

Wireless Card Access List

Setup Access List

All the check boxes are selected by default.

6. Select or clear the check boxes:

- **Enable Wireless Access Point (2.4 GHz).** When this check box is selected, the DST adapter allows WiFi connections in the 2.4 GHz band. Clearing this check box prevents WiFi devices from connecting to the DST adapter in the 2.4 GHz band. LAN devices can still connect to the DST adapter over an Ethernet cable.
- **Enable SSID Broadcast (2.4 GHz).** When this check box is selected, the DST adapter broadcasts its WiFi network name (SSID) for the 2.4 GHz band. Clearing this check box hides the DST adapter's 2.4 GHz network name. In such a situation, this network name does not display in a WiFi network manager. A user who wants to join this hidden network must know its network name.
- **Enable 20/40 MHz Coexistence (2.4 GHz).** The DST adapter 2.4 GHz WiFi network can run in either 40 MHz mode or 20 MHz mode. When this check box is selected, the DST adapter uses 40 MHz mode unless a nearby WiFi network is using 20 MHz mode. If that happens, the DST adapter uses 20 MHz mode to coexist with that network.
- **Enable Wireless Access Point (5 GHz).** When this check box is selected, the DST adapter allows WiFi connections in the 5 GHz band. Clearing this check box prevents WiFi devices from connecting to the DST adapter in the 5 GHz band. LAN devices can still connect to the DST adapter over an Ethernet cable.
- **Enable SSID Broadcast (5 GHz).** When this check box is selected, the DST adapter broadcasts its WiFi network name (SSID) for the 5 GHz band. Clearing this check box hides the DST adapter's 5 GHz network name. In such a situation, this network name does not display in a WiFi network manager. A user who wants to join this hidden network must know its network name.

7. Click the **Apply** button.

Your changes are saved.

Set Up a WiFi Access List for the DST Adapter

By default, any WiFi device that is configured with the correct network name (SSID) can access the DST adapter's WiFi networks. For increased security, you can restrict access to the DST adapter's WiFi networks so that only WiFi devices with the MAC addresses that you add to an access list can connect.

Each network device owns a MAC address, which is a unique 12-character physical address, containing the hexadecimal characters 0–9, a–f, or A–F only, separated by colons (for example, 00:09:AB:CD:EF:01). Typically, the MAC address is on the label of the WiFi device. If you cannot access the label, you can display the MAC address using the network configuration utilities of the computer. You might also find the MAC addresses on the Attached Devices page (see [View Wired and WiFi Network Devices Connected to the DST Adapter](#) on page 43).



CAUTION:

If you use a WiFi device to set up the access list, add your WiFi device to the access list. Otherwise, you are disconnected when you click the **Apply** button. To avoid this situation, use a computer with a wired connection to access the DST adapter.

Before you enable the access list, you must add the MAC addresses of the WiFi devices that you want to grant access to the WiFi network of the DST adapter.

➤ **To set up and enable the DST adapter's access list:**

1. With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.
2. Launch a web browser from the computer.
3. Enter **http://www.mywifiext.net**.

A login window displays.

4. Enter the DST adapter user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The Status page displays.

5. Select **Advanced > Wireless Settings**.

The Advanced Wireless Settings page displays.

6. Click the **Setup Access List** button.

7. Click the **Add** button.

8. In the **Device Name** field, type a name for the WiFi device.
9. In the **MAC Address** field, type the MAC address of the WiFi device.
10. Click the **Apply** button.
11. Above the Wireless Card Access list, select the **Turn Access Control On** check box.

- Click the **Apply** button.

Now only computers and devices in the list can join the DST adapters WiFi networks.

View Wired and WiFi Network Devices Connected to the DST Adapter

You can view the active wired and WiFi devices that are connected to the DST adapter's network. If you do not recognize a WiFi device, it might be an intruder.

➤ To view devices on the DST adapter network:

- With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.
- Launch a web browser from the computer.
- Enter **http://www.mywifiext.net**.

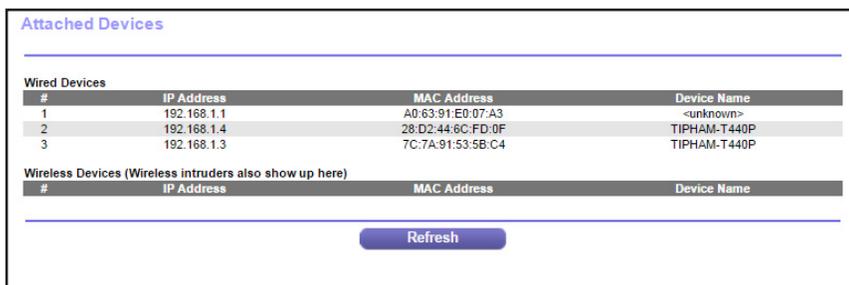
A login window displays.

- Enter the DST adapter user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The Status page displays.

- Select **Maintenance > Attached Devices**.



The screenshot shows the 'Attached Devices' page with two tables. The first table, 'Wired Devices', has columns for '#', 'IP Address', 'MAC Address', and 'Device Name'. It lists three devices: Device 1 (IP: 192.168.1.1, MAC: A0:63:91:E0:07:A3, Name: <unknown>), Device 2 (IP: 192.168.1.4, MAC: 28:D2:44:6C:FD:0F, Name: TIPHAM-T440P), and Device 3 (IP: 192.168.1.3, MAC: 7C:7A:91:53:5B:C4, Name: TIPHAM-T440P). The second table, 'Wireless Devices (Wireless intruders also show up here)', has the same columns but is currently empty. A 'Refresh' button is located at the bottom of the page.

Attached Devices			
Wired Devices			
#	IP Address	MAC Address	Device Name
1	192.168.1.1	A0:63:91:E0:07:A3	<unknown>
2	192.168.1.4	28:D2:44:6C:FD:0F	TIPHAM-T440P
3	192.168.1.3	7C:7A:91:53:5B:C4	TIPHAM-T440P
Wireless Devices (Wireless intruders also show up here)			
#	IP Address	MAC Address	Device Name
Refresh			

For each wired and WiFi device, the IP address, MAC address, and device name display.

- (Optional) Click the **Refresh** button.

The information on the page is updated.

Set Up the DST Adapter to Use a Static IP Address

The DST adapter comes set up to use a dynamic IP address, which is the correct setting for most home networks.

➤ **To set up the DST adapter's IP address:**

1. With an Ethernet cable, temporarily connect your computer to the Ethernet port on the DST adapter.
2. Launch a web browser from the computer.
3. Enter **http://www.mywifiext.net**.

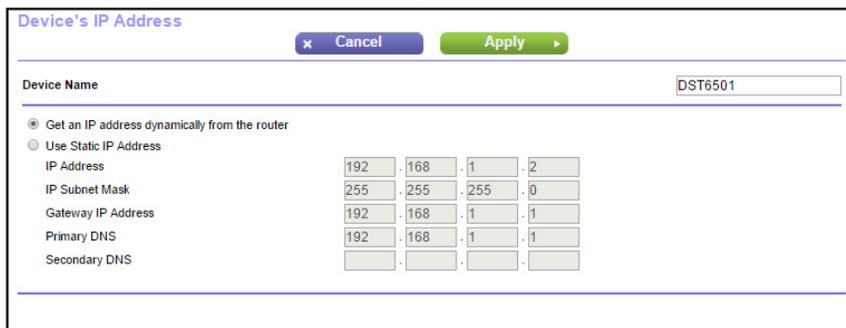
A login window displays.

4. Enter the DST adapter user name and password.

The user name is **admin**. The default password is **password**. The user name and password are case-sensitive.

The Status page displays.

5. Select **Setup > IP Address Setup**.



The screenshot shows a web interface titled "Device's IP Address". At the top right, there are "Cancel" and "Apply" buttons. Below the title bar, there is a "Device Name" field containing the text "DST6501". Underneath, there are two radio button options: "Get an IP address dynamically from the router" (which is selected) and "Use Static IP Address". Below these options are several input fields for network configuration: "IP Address" (192.168.1.2), "IP Subnet Mask" (255.255.255.0), "Gateway IP Address" (192.168.1.1), "Primary DNS" (192.168.1.1), and "Secondary DNS" (empty).

6. By default, the **Get an IP address dynamically from the router** radio button is selected.
7. Select the **Use Static IP Address** radio button.
8. Complete the fields to specify the IP network IP addresses.
9. Click the **Apply** button.

Your settings are saved.

DST Adapter Troubleshooting

6

You can take various steps to diagnose and solve problems that you might encounter.

The first step in troubleshooting your DST adapter is to check the LEDs. After you plug in the DST adapter, the following sequence of events occurs:

1. The Power LED lights.
2. After approximately 10 seconds, verify the following:
 - The Power LED is solid green. The device is powered on.
 - If the device is connected to a Powerline network, the Pick A Plug LED is lit.
 - If the Powerline device is connected through the Ethernet port to a powered-on Ethernet device, the Ethernet LED is lit.

If no LEDs are lit, see [LEDs Are Off When the DST Adapter Is Plugged In](#) .

If the Power LED is not lit, see [Power LED Is Off](#) .

If the Pick A Plug LED is not lit, see [DST LED Is Off, Amber, or Red](#) .

If the Ethernet LED is not lit, see [Ethernet LED Is Off](#) .

If you do not find the solution here, visit the NETGEAR support site at support.netgear.com for product and contact information, or contact Geek Squad. For more information, see [Contact Geek Squad](#) .

LEDs Are Off When the DST Adapter Is Plugged In

A common reason the LEDs are off is that power is not being provided to the DST adapter.

Make sure that power is supplied to the electrical outlet, and that the DST adapter is not plugged into an extension cord, power strip, or surge protector.

Power LED Is Off

If the Power LED is off, the adapter is not receiving electrical power. You can try various troubleshooting tips:

- Make sure that power is supplied to the electrical outlet.
- Press the **Factory Reset** button on the DST adapter for two seconds to return the device to its factory default settings.

DST LED Is Off, Amber, or Red

If the DST LED is off, you can try various troubleshooting tips.

If the DST LED is off, the DST adapters cannot find the DST router or other DST adapters. Try these troubleshooting tips:

- Make sure that the DST adapters and DST router are plugged into wall outlets with power and that they use the same network encryption key.
- Move a DST adapter to an outlet that is closer to the computer or other devices.
- If you set a private encryption key, make sure that all DST adapters and the DST router are using the same encryption key.
- If the problem occurred after you set the encryption key, reset each device to its factory default settings.

Then try setting the encryption key again.

- If the LED is amber or red, move the DST adapter to another electrical outlet with a faster connection.

Ethernet LED Is Off

If the Ethernet LED is off, the Ethernet port on the DST adapter is not linked. You can try various troubleshooting tips.

If your DST adapter is connected to a computer, game console, Blu-ray player, or other peripheral device, check the following:

- The peripheral device is turned on.
- The DST adapter is securely connected to the peripheral device using an Ethernet cable.

Press the **Factory Reset** button on each DST adapter for two seconds to return the device to its factory default settings.

Contact Geek Squad

Setup and support are included with your DST adapter for one year from your Nighthawk R7300 DST router purchase date. If needed, agents are available 24/7/365 to help you do the following:

- Set up your network.
- Connect your WiFi devices such as computers, tablets, gaming consoles, and mobile phones.
- Make sure that your network is secure.

Geek Squad Agents use remote access to assist with setup and support. The **Geek Squad Setup and Support** button on the DST router paired with the DST router's Geek Squad support ID, which is on the product label on the bottom of the DST router, is used to authenticate the connection for remote access.

The Agent will provide direction regarding the use of the **Geek Squad Setup and Support** button. Be sure to reference your coupon code, which is GS1337EXB, when you are on the phone or chatting with an Agent.

➤ To contact Geek Squad:

1. Contact Geek Squad using online chat or phone:
 - To contact Geek Squad using the online chat:
 - a. Visit [geeksquad.com](https://www.geeksquad.com).
 - b. Click the **CHAT WITH AN AGENT** link.
The CHAT WITH AN AGENT page displays.
 - c. Click the **START CHAT NOW** button.
A sign-in window displays.
If you do not see a sign-in window, disable your pop-up blocker.
 - d. Enter your email address and click the **CHAT NOW** button to begin the chat.
 - To contact Geek Squad using the phone, call 1-800-GeekSquad.
2. Reference your coupon code, which is GS1337EXB, when you are on the phone or chatting with an Agent.
3. When prompted by the agent, do the following:
 - a. Give the Agent your Geek Squad Support ID, which is on the product label.

Nighthawk DST AC1900 DST Router and DST Adpater Model R7300DST

The product label is on the bottom of the DST router.



- b. Press the **Geek Squad Setup and Support** button  on the DST router to allow the Agent temporary access to your DST router.

The state of the Geek Squad Setup and Support LED indicates the status of the connection with the Geek Squad Agent:

- **Solid white.** The DST router is connected to Geek Squad Support.
- **Blinking white.** The connection is being established.
- **Off.** Geek Squad Support is not connected.

DST Adapter Supplemental Information

7

This appendix provides technical specifications and safety information for the DST adapter.

The appendix includes the following sections:

- *Technical Specifications*
- *Safety Information*

Technical Specifications

Table 3. DST6501 DST adapter specifications

Feature	Specification
Data and routing protocols	IEEE 802.3 (10BASE-T), IEEE 802.3u (100BASE-Tx)
AC input	100–240V, 0.3A (max.)
Power consumption	Normal: 9.3W
Dimensions	127 x 107 x 57 mm (5.0 x 4.42 x 2.26 in.)
Weight	0.241 kg (0.45 lb)
Operating temperature	0° to 40°C (32° to 104°F)
Operating humidity	10–90% maximum relative humidity, noncondensing
Storage humidity	5–95% maximum relative humidity, noncondensing
Security encryption type	128-bit AES
MAC addresses	64: number of nodes that can be added to a single network
Bandwidth	1000 Mbps
Compatibility	Not HomePlug v1.0 or HomePlug v1.0 Turbo compatible
Data transfer rate	Up to 1000 Mbps with real throughput greater than 80 Mbps
Frequency band	2–30 Mbps
Modulation type	OFDM symbol modulation
Electromagnetic emissions	FCC Part 15 Class B; 3-home FCC Certificate
Safety agency approvals	UL Listed (UL60950-01) / cULIEC-60950-1; LCIE CB
Wireless communication	Enabled
Transmission speed	Auto ¹
Country/Region	United States (varies by region)
Operating mode	IEEE 802.11 b/g/n 2.4GHz 256QAM Support IEEE 802.11 a/n/ac 5GHz
Data rate	200 Mbps @ 2.4GHz -256QAM 433 Mbps @ 5GHz

1. Maximum wireless signal rate (IEEE Standard 802.11). Actual throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate.

Safety Information

Follow these safety guidelines to ensure your own personal safety and to help protect your system from potential damage.

- AC input: 100–240V, 0.3A (max.)
- Operating temperature: 0C–40 degrees C.
- Maximum wireless signal rate derived from IEEE Standard 802.11 specifications.
- Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate.
- Do not service any product except as explained in your system documentation.
- Opening or removing covers that are marked with the triangular symbol with a lightning bolt can expose you to electrical shock. Only a trained service technician should service components inside these compartments.
- Use the product only with approved equipment.
- Allow the product to cool before removing covers or touching internal components.
- To help avoid damaging your system, be sure that the voltage selection switch (if provided) on the power supply is set to match the power available at your location:
 - 110 volts (V), 60 hertz (Hz) in most of North and South America and some Far Eastern countries such as South Korea and Taiwan.
 - 100V, 50 Hz in eastern Japan and 100V, 60 Hz in western Japan.
 - 230V, 50 Hz in most of Europe, the Middle East, and the Far East.
- Do not plug the DST adapter into extension cords, power strips, or surge protectors.
- To help protect your system from sudden, transient increases and decreases in electrical power, use a surge suppressor, line conditioner, or uninterruptible power supply (UPS).