NETGEAR®

Orbi Outdoor Satellite

User Manual

Model RBS50Y

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350 E. Plumeria Drive
San Jose, CA 95134
USA

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.

Conformity

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

Compliance

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

See the regulatory compliance document before connecting the power supply.

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Overview

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This manual covers how to set up your Orbi Outdoor Satellite and configure its settings from the Orbi router web interface. For information about how to configure your Orbi router's settings, see the user manual for your Orbi router. You can view your router's manual at *https://www.netgear.com/support/download/default.aspx*.

This chapter contains the following sections:

- *Supported Orbi Routers and Satellites*
- *Package Contents*
- *Hardware Overview*
- *Power LED*
- *Bottom Light LED*
- *Wall-Mount or Attach to Stand*
- *Lock the Satellite*
- *Label*
- *Place Your Satellite*
- *Sync Your Orbi Outdoor Satellite*
- *Download the NETGEAR Orbi App*

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

Supported Orbi Routers and Satellites

All residential and business Orbi routers and satellites support the Orbi Outdoor Satellite. You must own an Orbi router to add the Orbi Outdoor Satellite to your WiFi network.

Package Contents

Your package contains the following items.

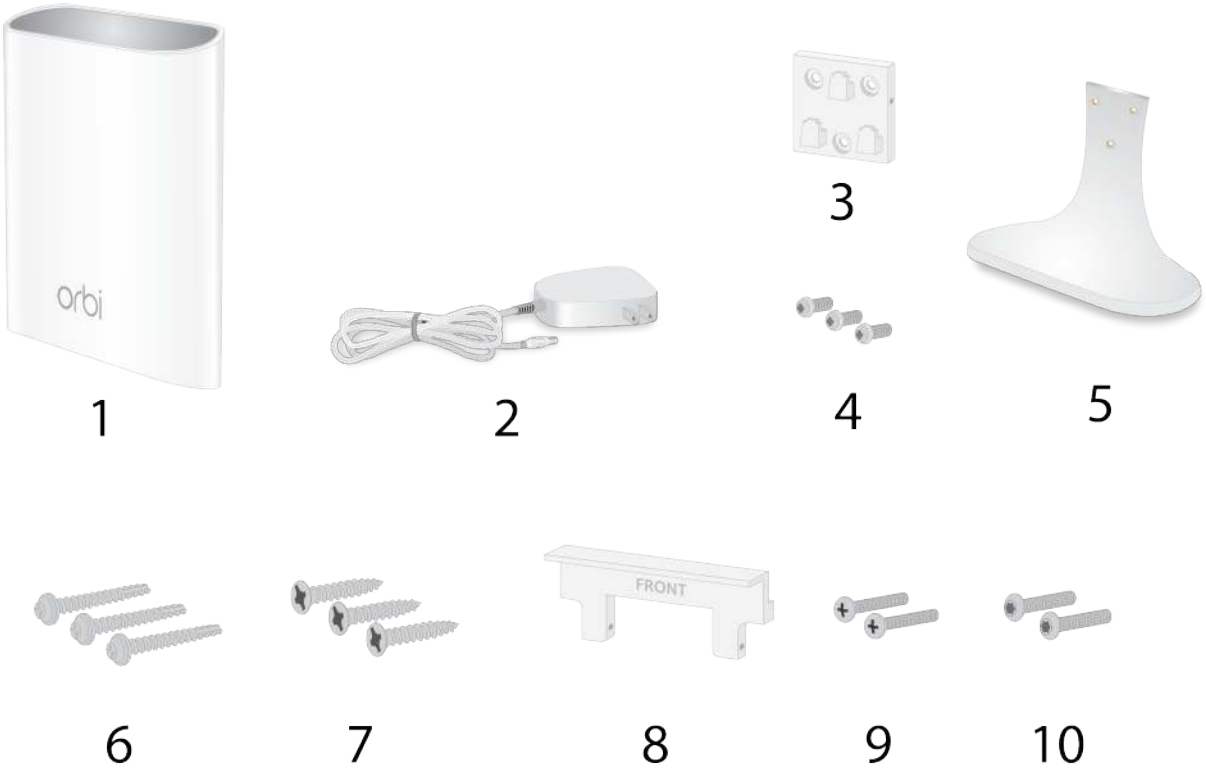


Figure 1. Package contents

1. Orbi Outdoor Satellite (Model RBS50Y)
2. Power adapter (varies by region)
3. Wall-mount bracket
4. Machine screws
5. Stand
6. Stucco or concrete screws
7. Wood screws
8. Wall-mount bracket lock
9. Phillips screws
10. Torx screw

Hardware Overview

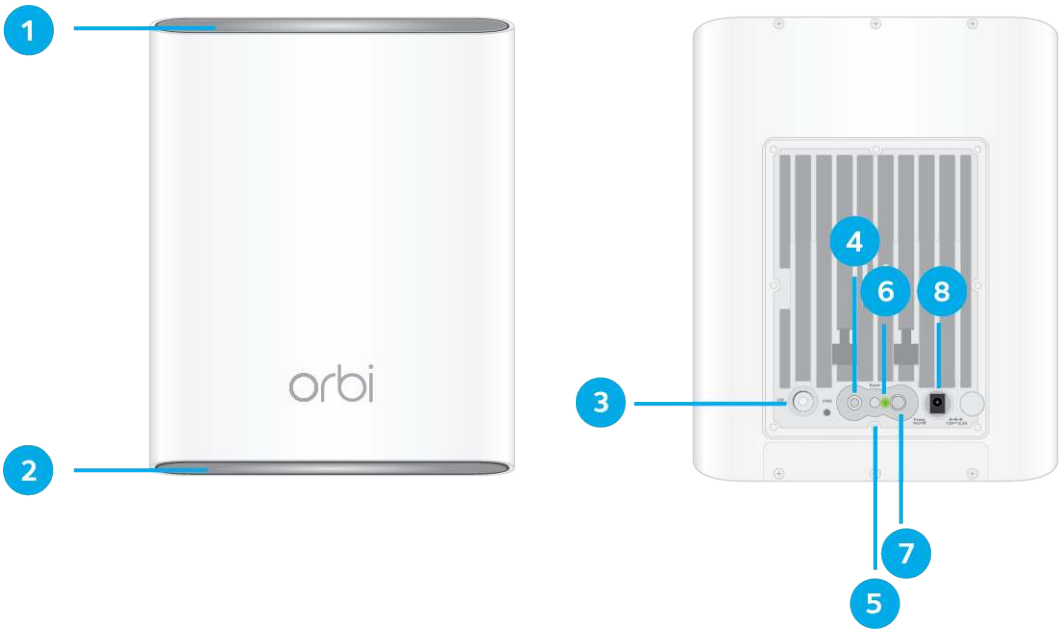


Figure 2. Front and back views

1. Top Light LED
2. Bottom Light LED
3. LED On/Off button
4. Sync button (also used for WPS connection)
5. Reset button
6. Power LED
7. Power On/Off button
8. Power connector

Power LED

The Power LED is located above the **Power On/Off** button on the rear panel.

The following is the LED behavior for the Power LED:

- **Solid green**. Power is on.
- **Solid amber**. The satellite is booting.
- **Blinking amber**. The satellite is resetting to factory default settings.

- **Blinking red**. The firmware is corrupted.
- **Off**. Power is not supplied.

Bottom Light LED

You can use the top and bottom Light LEDs to provide light to your outdoor area. You can also use the bottom Light LED behavior to help you determine the status of your satellite. The top Light LED only provides light.

The following table describes the bottom Light LED behavior.

Table 1. Bottom Light LED behavior

Color	Bottom Light LED behavior
Pulsing white	The satellite is booting.
Solid white	The satellite is ready to sync with the Orbi router.
Pulsing white (Note that the bottom Light LED pulses white again after the **Sync** button is pressed.)	The satellite is trying to sync with the Orbi router. The LED might pulse white for about six minutes. After the LED pluses white, it lights blue, amber, or magenta. See the next table for more information.
Pulsing amber	The satellite is warming up because its temperature is less than 41°F (5°C). This might take about 15 minutes if the surrounding temperature is less than 4°F (–20°C).

After the **Sync** button is pressed, the bottom Light LED pulses white. Then the bottom Light LED lights one of the following colors for about 3 minutes and then turns off:

Table 2. Sync colors

Color	LED Behavior
Blue	The Orbi router and satellite successfully synced, and the connection between the router and satellite is good.
Amber	The Orbi router and satellite successfully synced, and the connection between the router and satellite is fair. Consider moving the satellite closer to the router.
Magenta	The Orbi router and satellite failed to sync. Move the satellite closer to the router and try again.
Pulsing magenta	If the bottom Light LED pulses magenta for about 30 seconds, the satellite's **Sync** button is disabled. Log in to the router, enable the **Sync** button, and repeat the sync process. For more information, see *Enable the Sync Button* on page 19.

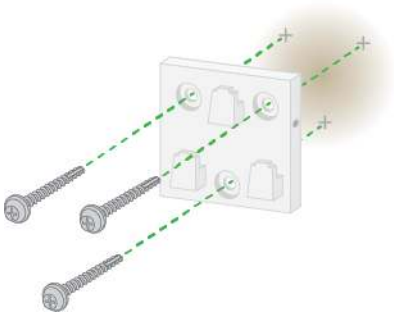
Wall-Mount or Attach to Stand

You can wall-mount your satellite or attach it to the stand that came with your package.

Wall-Mount Your Satellite

To wall-mount your satellite:

1. Use the wall-mount bracket as a template to mark three holes on the wall.
2. Drill holes where you marked on the wall using a 5/32-inch drill bit
3. Place the wall-mount bracket where you drilled the holes and secure the bracket to the wall using the stucco or concrete screws or the wood screws.



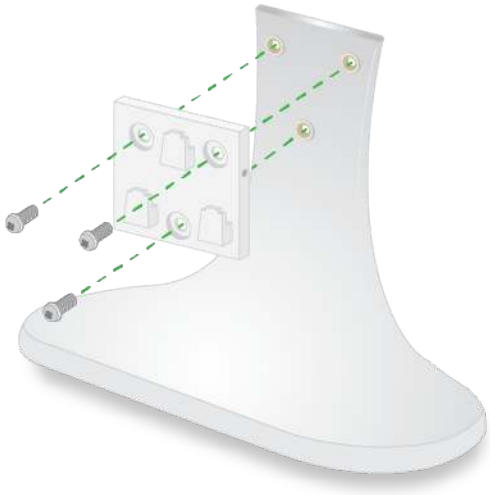
4. Slide the satellite onto the wall-mount bracket.



Attach the Satellite to the Stand

To attach the satellite to the stand:

1. Attach the wall-mount bracket to the stand using the machine screws.



2. Slide the Orbi satellite onto the wall-mount bracket.



Lock the Satellite

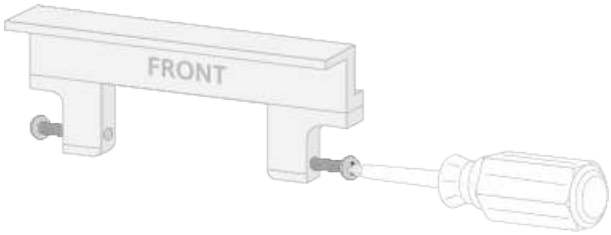
After you wall-mount your satellite or attach it to the stand, you can lock your satellite to the wall-mount bracket or stand.

Lock the Satellite to the Wall-Mount Bracket

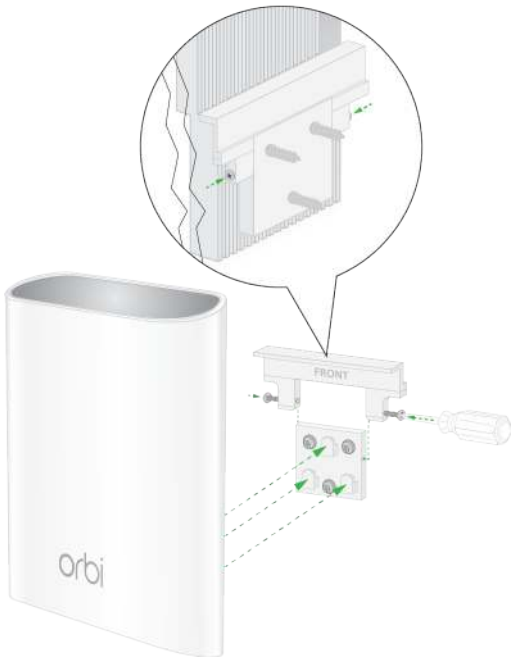
After you wall-mount your satellite, you can lock your satellite to the wall-mount bracket. For more information about how to wall-mount your satellite, see *Wall-Mount Your Satellite* on page 8.

To lock your satellite to the wall-mount bracket:

1. Insert the Phillips screws or torx screws that came with your package into the wall-mount bracket lock. The screws must be flush with the lock.



2. Place the lock on top of the wall-mount bracket.
3. Tighten the screws to secure the lock to the bracket.

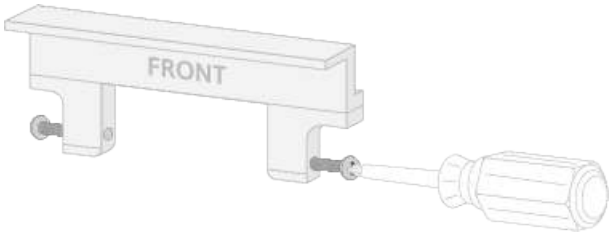


Lock the Satellite to the Stand

After you attach the satellite to the stand, you can lock your satellite to the stand. For more information about how to wall-mount your satellite, see *Attach the Satellite to the Stand* on page 9.

To lock your satellite to the stand:

1. Insert the Phillips screws or torx screws that came with your package into the wall-mount bracket lock. The screws must be flush with the lock.



2. Place the lock on top of the wall-mount bracket.
3. Tighten the screws to secure the lock to the bracket.



Label

The satellite label shows the WiFi network name (SSID), network key (password), the satellite's serial number, and the satellite's MAC address. The label can be found on the satellite. The following is an example of what the label looks like:

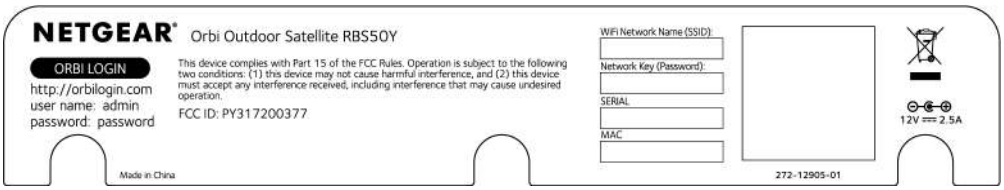


Figure 3. Satellite label

Place Your Satellite

The first time you set up your satellite, we recommend that you set it up indoors near your Orbi router. After your router and satellite are synced, you can place your satellite outdoors.

Note Your satellite's Ingress Protection (IP) rating is IP55. When placing your satellite outdoors, do not place your satellite in an area that could expose your satellite to harsh weather and environmental conditions. The recommend temperature range for your satellite is 4°F to 122°F (-20°C to +50°C).

Sync Your Orbi Outdoor Satellite

Use the **Sync** button on your Orbi Outdoor Satellite to sync your satellite with your router. You can also log in to your Orbi router and use the router web interface to sync your satellite.

Sync Your Satellite Using the Sync Button

After your satellite syncs with your router, the satellite's **Sync** button is disabled for security reasons. If you press the **Sync** button and the satellite's bottom Light LED pulses magenta, this LED behavior indicates that the **Sync** button is disabled. To enable the **Sync** button, log in to the router and go to the Attached Devices page. For more information, see *Enable the Sync Button* on page 19.

To sync your satellite using the Sync button:

1. Place your satellite in an area near your Orbi router.
   For more information, see *Place Your Satellite* on page 12.
2. Connect your satellite to a power source.
   The Power LED on the back of the Orbi lights. If the Power LED does not light, press the **Power On/Off** button.
3. Wait for the bottom Light LED to light white.

The following is the LED behavior during booting:

- **Pulsing white**. The satellite is booting.
- **Solid white**. The satellite finished booting and is ready to sync with your router.

4. Press the **Sync** button on the back of your satellite, and within two minutes, press the **Sync** button on the back of your Orbi router.
5. Wait for the satellite to sync with the router.

   The bottom Light LED on the satellite lights white while it attempts to sync with your Orbi router. It might take about six minutes for your satellite to sync.

   After the bottom Light LED lights white, it lights one of the following colors for about three minutes and then turns off:

   - **Blue**. The Orbi router and satellite successfully synced, and the connection between the router and satellite is good.
   - **Amber**. The Orbi router and satellite successfully synced, and the connection between the router and satellite is fair. Consider moving the Orbi satellite closer to the Orbi router.
   - **Magenta**. The Orbi router and satellite failed to sync. Move the satellite closer to the router and try again.

6. Move your satellite outdoors and connect it to a power source.

   Note The recommend temperature range for your satellite is 4°F to 122°F (–20°C to +50°C).

7. Make sure that the bottom Light LED lights blue to indicate a good connection to the router.

Sync Your Satellite Using the Router Web Interface

You can use the router web interface to add a satellite to your Orbi network.

To add a satellite to your Orbi network using the router web interface:

1. Launch a web browser from a computer or mobile device that is connected to your Orbi network.
2. Enter **orbilogin.com**.

   A login window opens.

3. Enter the router admin 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 **Add Orbi Satellite**.

   The Place Your Satellite page displays.

5. Follow the instructions for where to place your satellite in your house.

6. Connect the satellite to a power source.
7. If the Power LED on the back of the satellite does not light, press the **Power On/Off** button.
8. Click the **NEXT** button.
9. Wait about two minutes for the satellite's bottom Light LED to light solid white.
10. Press the **Sync** button on the satellite.
11. Wait for the bottom Light LED to light white.
    The following is the LED behavior during booting:

    - **Pulsing white**. The satellite is booting.
    - **Solid white**. The satellite finished booting and is ready to sync with your Orbi router.

12. Click the **SYNC** button in the router web interface.
13. Wait for the satellite to sync with the router.
    The bottom Light LED on the satellite lights white while it attempts to sync with your Orbi router. It might take about six minutes for your satellite to sync.

    After the bottom Light LED lights white, it lights one of the following colors for about three minutes and then turns off:

    - **Blue**. The Orbi router and satellite successfully synced, and the connection between the router and satellite is good.
    - **Amber**. The Orbi router and satellite successfully synced, and the connection between the router and satellite is fair. Consider moving the Orbi satellite closer to the Orbi router.
    - **Magenta**. The Orbi router and satellite failed to sync. Move the satellite closer to the router and try again.

Download the NETGEAR Orbi App

You can use the NETGEAR Orbi app to set up your Orbi network.

To find the app, scan a QR code or search for NETGEAR Orbi in the Apple App Store or Google Play Store. Launch the NETGEAR Orbi app on your mobile device and follow the prompts.



Figure 4. NETGEAR Orbi app icon



Figure 5. NETGEAR Orbi app download QR codes

Manage Your Orbi Outdoor Satellite

2

This chapter describes how to manage your satellite's settings from your Orbi router web interface.

The chapter contains the following sections:

- *Update the Router and Satellite Firmware*
- *Enable the Sync Button*
- *Turn the Satellite LED Lighting On or Off*
- *Set LED Lighting Brightness*
- *Schedule When to Turn On LED Lighting*
- *View Satellite Information*
- *View Satellite Status*

Update the Router and Satellite Firmware

To manage your satellite using the router web interface, make sure that your router and satellite are updated with the latest firmware. You can use the router web interface to check if new firmware is available and update the firmware for your router and satellite, or you can manually update the firmware for your router and satellite.

Check for Firmware Updates

To check for new firmware and update your router and satellite:

1. Launch a web browser from a computer or mobile device that is connected to your Orbi network.
2. Enter **orbilogin.com**.
   A login window opens.
3. Enter the router admin user name and password.
   The user name is **admin**. The password is the one that you specified the first time that you logged in. The user name and password are case-sensitive.
   The BASIC Home page displays.
4. Select **ADVANCED > Administration > Firmware Update**.
   The Firmware Update page displays.
5. Click the **Check** button.
   The router checks to see if new firmware is available for the router and satellite.
6. If new firmware is available, click the **Update All** button.
   The router locates and downloads the firmware for the router and satellite and begins the update.

Note 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 router or satellite.

When the upload is complete, your router and satellite restart. The update process typically takes about one minute. Read the new firmware release notes to find out if you must reconfigure the router after updating.

Manually Update Firmware

If a satellite is connected to your router, you can log in to the router to manually upload the firmware on your satellite.

WARNING:
We recommend that you always update the firmware on your satellite first, and then update your router. Also, do not update the firmware on your router and satellite at the same time.

To manually update the firmware on your Orbi router and satellite, follow these high level steps:

1. Visit *netgear.com/support* and download the firmware for both your Orbi router and satellite.
2. Update the firmware on your Orbi satellite.
   For more information, see *Manually Update Satellite Firmware* on page 18.
3. Update the firmware on your Orbi router.
   For more information, see *Manually Update Router Firmware* on page 19.

Manually Update Satellite Firmware

To manually update your satellite's firmware:

1. Launch a web browser from a computer or mobile device that is connected to your Orbi network.
2. Enter **orbilogin.com**.
   A login window opens.
3. Enter the router admin user name and password.
   The user name is **admin**. The password is the one that you specified the first time that you logged in. The user name and password are case-sensitive.
   The BASIC Home page displays.
4. Select **ADVANCED > Administration > Firmware Update > Manual Update**.
   The Firmware Update page displays.
5. Select the check box next to your satellite's model name.
6. Click the **Update** button.
   The Orbi satellite Firmware Update window opens.
7. If the browser ask you for the admin password, enter the same password that you entered for the router.
8. Click the **BROWSE** button.
9. Locate and select the satellite firmware file that you downloaded.
   The firmware file name ends in `.img` or `.chk`.
10. Click the **UPLOAD** button.
    It takes a few minutes to complete the process.
11. After Orbi satellite finishes updating, select **Status** and double-check the firmware version on the Status page.
    The firmware on your Orbi satellite is updated.

Manually Update Router Firmware

We recommend that you update your satellite's firmware before updating the router's firmware.

To manually update your router's firmware:

1. Launch a web browser from a computer or mobile device that is connected to your Orbi network.
2. Enter **orbilogin.com**.
   A login window opens.
3. Enter the admin user name and password.
   The user name is **admin**. The password is the one that you specified the first time that you logged in. The user name and password are case-sensitive.

   The BASIC Home page displays.
4. Select **ADVANCED > Administration > Firmware Update > Manual Update**.
   The Firmware Update page displays.
5. Click the **Browse** button.
6. Locate and select the router firmware file you downloaded.
   The firmware file name ends in .img.
7. Click the **Upload** button.
   The firmware is updated.

Enable the Sync Button

After your satellite syncs with your router, the satellite's **Sync** button is disabled for security reasons. If you press the **Sync** button and the satellite's bottom Light LED pulses magenta, this LED behavior indicates that the **Sync** button is disabled. To enable the **Sync** button, log in to the router and go to the Attached Devices page.

After syncing your satellite and placing your satellite outdoors, we recommend that you disable the **Sync** button to prevent an unauthorized user from connecting to your satellite.

To enable your satellite's Sync button using the router web interface:

1. Launch a web browser from a computer or mobile device that is connected to your Orbi network.
2. Enter **orbilogin.com**.
   A login window opens.
3. Enter the router admin 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 **Attached Devices**.
   The Attached Devices page displays.

5. Select your satellite.
   The Edit Device page displays.
6. In the Sync Button section, click the **Disabled** button.
   The **Sync** button is enabled. You can now use the **Sync** button to sync your satellite to your router.

Turn the Satellite LED Lighting On or Off

You can use the satellite's top and bottom Light LEDs to provide light to your outdoor area.

To turn the top and bottom LED lighting on or off:

1. Launch a web browser from a computer or mobile device that is connected to your Orbi network.
2. Enter **orbilogin.com**.
   A login window opens.
3. Enter the router admin 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 **Attached Devices**.
   The Attached Devices page displays.
5. Select your satellite.
   The Edit Device page displays.
6. To turn the LED lighting on, in the LED On/Off section, click the **Off** button.
   The top and bottom Light LEDs turn on.
7. To turn the LED lighting off, in the LED On/Off section, click the **On** button.
   The top and bottom Light LEDs turn off.
8. Click the **APPLY** button.
   Your settings are saved.

Set LED Lighting Brightness

After you turn on the satellite's LED lighting, you can set its brightness percentage.

To set the satellite's LED lighting brightness:

1. Launch a web browser from a computer or mobile device that is connected to your Orbi network.
2. Enter **orbilogin.com**.
   A login window opens.
3. Enter the router admin user name and password.

The user name is **admin**. The password is the one that you specified the first time that you logged in. The user name and password are case-sensitive.

The BASIC Home page displays.

4. Select **Attached Devices**.
   The Attached Devices page displays.
5. Select your satellite.
   The Edit Device page displays.
6. Make sure that the **LED On/Off** slider is set to **ON**.
7. If the LED lighting is turned off, click the **LED On/Off** slider to turn the LED on.
   The top and bottom Light LEDs turn on.
8. Select an LED lighting brightness percentage from the **LED Lighting Brightness** menu.
9. Click the **APPLY** button.
   Your settings are saved.

Schedule When to Turn On LED Lighting

You can schedule when to turn on the satellite's LED lighting:

To schedule the LED lighting:

1. Launch a web browser from a computer or mobile device that is connected to your Orbi network.
2. Enter **orbilogin.com**.
   A login window opens.
3. Enter the router admin user name and password.
   The user name is **admin**. The password is the one that you specified the first time that you logged in. The user name and password are case-sensitive.

   The BASIC Home page displays.
4. Select **Attached Devices**.
   The Attached Devices page displays.
5. Select your satellite.
   The Edit Device page displays.
6. Make sure that the **LED On/Off** slider is set to **ON**.
7. If the LED lighting is turned off, click the **LED On/Off** slider to turn the LED on.
   The top and bottom Light LEDs turn on.
8. Select the **Schedule LED Lighting** check box.
9. Click the **ADD A NEW PERIOD** button.
   The LED Lighting Schedule page displays.

10. Specify the lighting schedule settings:

    - **Start**. Select a start time from the menu.
    - **End**. Select an end time from the menu.
    - **Recurrence Pattern**. Select if you want the Light LEDs to turn on daily of select specific days.

11. Click the **APPLY** button.
    The Edit Device page displays. The schedule is added.

12. Click the **APPLY** button.
    Your settings are saved.

View Satellite Information

You can view information about your satellite from the Attached Devices page in the router web interface.

To view information about your satellite:

1. Launch a web browser from a computer or mobile device that is connected to your Orbi network.
2. Enter **orbilogin.com**.
   A login window opens.
3. Enter the router admin user name and password.
   The user name is **admin**. The password is the one that you specified the first time that you logged in. The user name and password are case-sensitive.

   The BASIC Home page displays.
4. Select **Attached Devices**.
   The Attached Devices page displays the following information in the Connected Satellites section:

   - **Device Name**. This section displays the satellite model, name, LED status, **Sync** button status, and IP address.
   - **IP Address**. This section displays the satellite IP address. The satellite's IP address can change because the router assigns an IP address to each satellite when it joins the network.
   - **MAC Address**. This section displays the satellite MAC address. The unique MAC address for each satellite does not change.
   - **Connection Type**. This section displays how the satellite is connected to the Orbi network through a wired Ethernet connection or 2G or 5G WiFi connection.
   - **Connected Orbi**. This section displays the Orbi router or satellite that the satellite is connected to. The Orbi router's or satellite's MAC address also displays.
   - **Backhaul Status**. This section displays the backhaul connection status between the satellite and router or another satellite.

5. To update this page, click the **Refresh** button.

View Satellite Status

To view your satellite's status, it must be connected to your Orbi network.

To view your satellite's status:

1. Launch a web browser from a computer or mobile device that is connected to your Orbi network.
2. Enter **orbilogin.com**.
   A login window opens.
3. Enter the router admin user name and password.
   The user name is **admin**. The password is the one that you specified the first time that you logged in. The user name and password are case-sensitive.
   The BASIC Home page displays.
4. Select **Attached Devices**.
   The Attached Devices page displays.
5. In the Connected Satellites section, find your satellite's IP address.
6. Enter your satellite's IP address in your web browser's address bar.
   A login window opens.
7. Enter the same admin user name and password that you entered for the router.
   The satellite's status displays.

Troubleshooting

3

This chapter provides information to help you diagnose and solve problems you might experience with your Orbi Outdoor satellite. If you do not find the solution here, check the NETGEAR support site at *support.netgear.com* for product and contact information.

If you need help with your Orbi router, see your Orbi router's user manual. You can view your router's manual at *https://www.netgear.com/support/download/default.aspx*.

This chapter contains the following sections:

- *The Router and Satellite Do Not Sync*
- *Cannot Log In to the Router*

The Router and Satellite Do Not Sync

If you are experiencing difficulty syncing the router and the satellite, we recommend that you move the satellite into the same room as the router during the sync. Then move the satellite to a different location.

To sync the router and the satellite:

1. Place the satellite in the same room as the Orbi router.
   Use this satellite location only during the sync process.
2. Connect the satellite to a power source.
3. If the Power LED on the back of the satellite does not light, press the **Power On/Off** button.
4. Wait for the satellite's bottom Light LED to light solid white.
5. Press the **Sync** button on the router and then within two minutes, press the **Sync** button on the satellite.
   The satellite's bottom Light LED pulses white, then lights one of the following colors for about three minutes, and then turns off:
   - **Blue**. The Orbi router and satellite successfully synced, and the connection between the router and satellite is good.
   - **Amber**. The Orbi router and satellite successfully synced, and the connection between the router and satellite is fair. Consider moving the Orbi satellite closer to the Orbi router.
6. Move the satellite outdoors.
7. Connect the satellite to a power source.
8. If the Power LED on the back of the satellite does not light, press the **Power On/Off** button.
   The satellite's ring LED pulses white, then lights one of the following colors for about three minutes and then turns off:
   - **Blue**. The Orbi router and satellite successfully synced, and the connection between the router and satellite is good.
   - **Amber**. The Orbi router and satellite successfully synced, and the connection between the router and satellite is fair. Consider moving the Orbi satellite closer to the Orbi router.
   - **Magenta**. The Orbi router and satellite failed to sync. Move the satellite closer to the router and try again.

Cannot Log In to the Router

Make sure that your computer or mobile device is connected to the Orbi WiFi network. If you do not want to use a WiFi connection, you can connect your computer to the Orbi router with an Ethernet cable.

If you changed the admin password and you forgot what it is, see your Orbi router's user manual for more information.

Supplemental Information

A

This appendix covers the following topics:

- *Factory Settings*
- *Technical Specifications*

Factory Settings

The following table shows the factory default settings for the Orbi Outdoor Satellite.

Table 3. Factory default settings for the satellite

Feature		Default Setting
Router login	User login URL	orbilogin.com
	User name (case-sensitive)	admin
	Default login password (case-sensitive)	password
Internet connection	WAN MAC address	Use default hardware address
	WAN MTU size	1500
	Port speed	AutoSensing
Local network (LAN)	LAN IP	192.168.1.250
	Subnet mask	255.255.255.0
	DHCP server	Disabled
	Time zone	GMT for WW except NA and GR, GMT+1 for GR, GMT-8 for NA
	Time zone adjusted for daylight saving time	Disabled
	SNMP	Disabled
Firewall	Inbound (communications coming in from the Internet)	Disabled (except traffic on port 80, the HTTP port)
	Outbound (communications going out to the Internet)	Enabled (all)
	Source MAC filtering	Disabled
WiFi	WiFi communication	Enabled
	SSID name	See satellite label
	Security	WPA2-PSK (AES)
	Broadcast SSID	Enabled
	Transmission speed	Auto[1]
	Country/region	United States in the US
	RF channel	2.4 GHz front and back haul: Auto 5 GHz front haul: Channel 48 5 GHz back haul: Channel 157

[1] *Maximum wireless signal rate derived from IEEE Standard 802.11 specifications. Actual throughput can vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate.*

Technical Specifications

The following table shows the technical specifications for the Orbi Outdoor Satellite.

Table 4. Orbi Outdoor Satellite specifications

Feature	Description
Data and routing protocols	TCP/IP, RIP-1, RIP-2, DHCP, PPPoE, PPTP, Bigpond, Dynamic DNS, UPnP, and SMB
Power adapter	120V, 60 Hz, input 12V, 2.5A DC, output
Dimensions	8.3 x 2.7 x 10.6 in. (210.82 x 68.58 x 269.24 mm)
Weight	3.06 lb (1.387 kg)
Operating temperature	4°F to 122°F (–20°C to +50°C)
Operating humidity	90% maximum relative humidity, noncondensing
IP rating	IP55
Electromagnetic emissions	FCC Part 15 Class B VCCI Class B EN 55 022 (CISPR 22), Class B C-Tick N10947
WiFi	Maximum wireless signal rate complies with the IEEE 802.11 standard.[2]
Radio data rates	2.4 GHz: Max. 400 Mbps 5 GHz Front haul: Max. 866 Mbps 5 GHz Back haul: Max. 1733 Mbps
Data encoding standards	IEEE 802.11b/g/n 2.4 GHz-256 QAM support IEEE 802.11a/n/ac 5 GHz-256 QAM support
Maximum number of computers per wireless network	Limited by the amount of WiFi network traffic generated by each node (typically 50–70 nodes) 2.4 GHz: 127 5 GHz (front haul): 127
Operating frequency range	2.4 GHz: 2.412–2.462 GHz 5 GHz: • 5.18 GHz–5.24 GHz • 5.745 GHz–5.825 GHz
802.11 security	WPA-PSK [TKIP], WPA2-PSK [AES]

[2] *Maximum wireless signal rate derived from IEEE Standard 802.11 specifications. Actual throughput can vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate.*