



Spectrum WiFi 7 Extender

User Guide - Version 6

November 4, 2025



Spectrum WiFi Extender

Your Spectrum WiFi Extender uses mesh WiFi technology to create a single, strong Mesh WiFi Network throughout the home or office. Spectrum WiFi Extenders are self-optimizing, designed to provide a high-speed, seamless connection for all your devices as you move from room to room. The Extender also ensures consistent performance and full feature support - matching the advanced Router capabilities. You can conveniently manage your internet, network security and personalization settings through [Spectrum.net](https://www.spectrum.net) and in the [My Spectrum App](#). Scan the QR code on the Router's back label to download the [My Spectrum App](#).

The Spectrum WiFi Extender enhances your mesh network with these features:

- Spectrum WiFi Extender automatically inherits your Router SSID settings
- Supports both wireless and ethernet connectivity from Router.
- Add or remove up to 5 Extenders per Router.

With the My Spectrum App

- View and manage devices connected to your mesh WiFi network network.
- Troubleshoot your equipment and fix service-related issues.
- Add, remove, pause or resume WiFi access for a device or group of devices on your network.
- Enable port forwarding support for improved gaming performance.
- Turn off/turn on UPnP support.
- Ability to configure the DNS server address.
- Have peace of mind with a secure WiFi network featuring Spectrum Security Shield.



Get Started with My Spectrum App
Scan the QR code with your smartphone camera
or visit [spectrum.net/getappnow](https://www.spectrum.net/getappnow)

  Free on iPhone and Android

After downloading, sign in with your Spectrum username and password.

Don't have a Spectrum username? [Spectrum.net](https://www.spectrum.net) and select [Create a Username](#).

Where to place your Extender for the best coverage

- Place the Extender between Router and areas that needs additional WiFi coverage
- Ensure that Router is placed at the center of the location. Placing your Router towards the center of the location will provide best conditions for Extender connectivity and augment coverage in your location.
- Place the Extender on a raised surface in an open space

Basic guideline for placement: Placement of Extenders will be different in each home or business and will depend on multiple factors. It is recommended to place the Extender within ~ 30' to 45' (10 to 15 meters) from the Router in an open space for better connectivity and to create a seamless mesh WiFi network.

Extender locations to avoid

- In a media center or closet
- Near devices like cordless phones that emit wireless radio signals
- Behind a TV
- Near a microwave

Troubleshooting Your Internet Service

If you're experiencing slow speeds or if you lose connection to your WiFi network, try the following:

- 1. Move Extender closer to the Router:** The Extender relies on strong signal from Router. The farther away the Extender is placed, the weaker the range will be.
- 2. Adjust Extender location:** Place the Extender in location between Router and areas where you need better coverage. Avoid placing it near thick walls, metal surfaces or electronic devices that could cause interference
- 3. Restart your Extender:** Just like a Router, restarting the Extender can help resolve many common issues. Power cycle the device by unplugging it and plugging it back in.

Spectrum WiFi Extender with Advanced WiFi

The front panel has a light which indicates the Router's status while starting up your home network.

Status Lights

Off

Device is off

Blue flashing

Device is booting up

Blue easing

Connecting to the internet

Blue solid

Connected to the internet

Blue and White flashing

Locate mode

Red easing

Connectivity but no management access

Red and Blue easing

Updating firmware
(device will automatically restart)

Red solid

Extender trouble

Easing: A slow rhythmic change in light intensity, smoothly fading between bright and dark.

Flashing: A rapid rhythmic change in light intensity, abruptly transitioning between bright and dark.



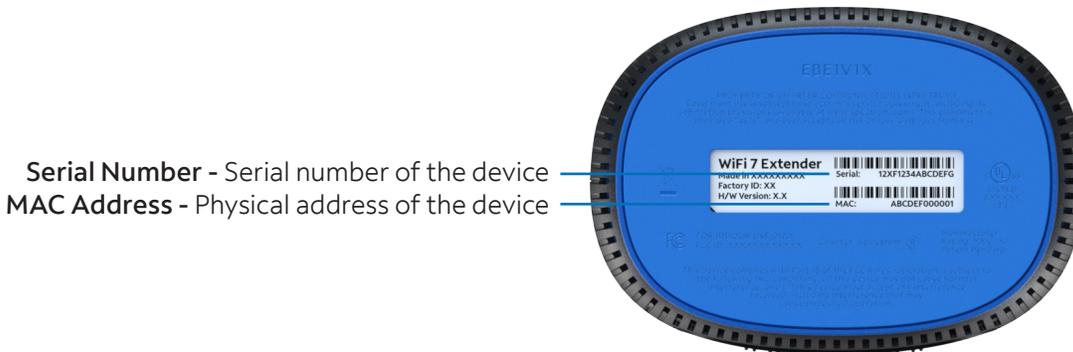
Spectrum WiFi Extender with Advanced WiFi

The extender's back panel features:



Spectrum WiFi Extender with Advanced WiFi

The Extender's label callouts:



Spectrum WiFi Extender Technical Specs

Features	Benefits
IEEE 802.11a/b/g, WiFi 4 (802.11n), WiFi 5 (802.11ac), WiFi 6E (802.11ax), & WiFi 7 (802.11be) support Concurrent 2.4 GHz, 5 GHz, and 6 GHz frequency band support	<ul style="list-style-type: none"> • Supports existing client devices in the home and all newer devices using higher frequencies, including the latest WiFi 7 capable devices. • Provides flexibility in range for WiFi signal to cover the home. • Future capability upgrade to support AFC (Automated Frequency Coordination) which enables the WiFi 7 router to potential increase the power of the 6 GHz radio from LPI (Low Power Indoor) default mode to SP (Standard Power) mode. Enables the 6 GHz band to have almost the same level of reach as the 5 GHz band.
2.4 GHz WiFi Radio - 802.11be 4x4:4 5 GHz WiFi Radio - 802.11be 4x4:4 6 GHz WiFi Radio - 802.11be 4x4:4	<ul style="list-style-type: none"> • More data per packet transition provides higher throughput and increased range improving experience, especially in client dense environments. • Delivers higher data rates and bandwidth for the 2.4 GHz and 5 GHz frequencies bands as well as support for almost 1,200 MHz of the 6 GHz frequency band. • Unified SSID enables intelligent client steering - optimizes client device connectivity to best frequency band, channel, and access point. • Prevents client devices from “sticking” to a specific non-optimized band as the client moves around or if the channel becomes congested due to external interference.
WiFi Channel Bandwidths	<ul style="list-style-type: none"> • 2.4 GHz – 20 / 40 MHz • 5 GHz – 20 / 40 / 80 / 160 MHz • 6 GHz – 20 / 40 / 80 / 160 / 320 MHz
802.11be WiFi 7 chipsets with higher processing power	Supports consistent performance where there is a higher density of WiFi devices connecting to the network. Powerful chips encode/decode signals, allowing better network and device management.
Latest industry-standard WiFi security (WPA2 / WPA3 Personal)	Supports both WPA3 Personal (2022 version) standard, which is the highest security standard available to date, and WPA2 Personal (2004) standard to protect devices on the WiFi network.
One Ten Gig , One Multi-Gig and Two Gig LAN Ports	Connect stationary computers, game consoles, printers, media sources and other devices on the private network for high-speed service. <ul style="list-style-type: none"> • IEEE 802.3e 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.3bz 2.5GBASE-T
More specs	<ul style="list-style-type: none"> • Integrated fan provides optimum temperature regulation with ultra-quiet operation (under 30dBA) even under the most demanding loads • IPv4 and IPv6, DHCP • Spectrum Mobile Speed Boost • Universal Input Power supply: 12VDC/3.5A • Dimensions: 9.27" x 4.8" x 3.46"

Need Help or Have Questions?

We're here for you. To learn more about your services or get support, visit spectrum.net/support or call us at **(855) 632-7020**.

Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

FCC regulations restrict the operation of this device to indoor use only.

- a. The operation of this device is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet.
- b. Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.