



Spectrum WiFi 7 Router with Backup

User Guide - Version 1

September 10, 2025



Spectrum WiFi 7 Backup Router 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
- White solid**
Backup mode is active
- White flashing**
Poor cellular reception
- Red easing**
Connectivity but no management access
Connectivity issues
- Red and Blue easing**
Updating firmware
(device will automatically restart)
- Red solid**
Router 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 Battery Backup

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 easing

Battery charging

Blue solid

Battery is fully charge

White easing

Battery is in use

Red easing

Lower battery

Red solid

Battery failure



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 7 Backup Router

The router's back panel features:



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The router's back panel features:

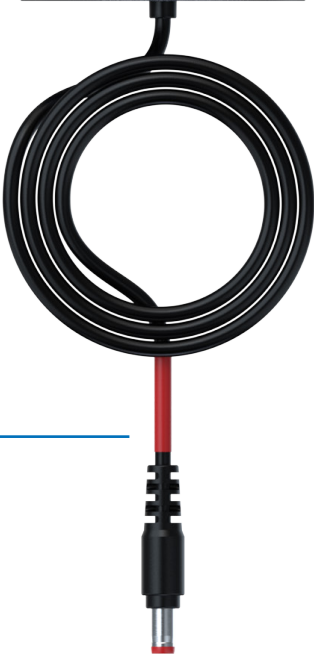
Power B port - Connect provided power supply to home outlet power source



Serial Number - Serial number of the device



Power B plug - Connect battery to router



Spectrum WiFi 7 Backup Routerwith Battery Backup

Wiring diagram:



Spectrum WiFi 7 Backup Router with Advanced WiFi

The router's label callouts:



Spectrum WiFi 7 Backup Router Technical Specs

Features	Benefits
IEEE 802.11a/b/g, WiFi 4 (802.11n), WiFi 5 (802.11ac), WiFi 6E (802.11ax), & WiFi 7 Backup Router (802.11be) support Concurrent 2.4 GHz, 5 GHz, and 6 GHz frequency band support	• Supports existing client devices in the home and all newer devices using higher frequencies, including the latest WiFi 7 Backup Router 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 Backup 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	• 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	• 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 Backup Router 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. Note: 6 GHz band only supports WPA3 Personal
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. • IEEE 802.3e 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.3bz 2.5GBASE-T
MultiGig WAN port	Connect to Internet port of Cable Modem, Spectrum eMTA or Spectrum ONU • IEEE 802.3an 10GBASE-T
More specs	• Integrated fan provides optimum temperature regulation with ultra-quiet operation (under 30dBA) even under the most demanding loads • IPv4 and IPv6, DHCP, DSCP tag support Connectivity with Spectrum WiFi Pods, 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](tel:8556327020).

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 26cm 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 in the 5.925-6.425 GHz band.
- b. Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.