

Spectrum
D3.1
MDU
Modem



Spectrum D3.1 MDU Modem User Guide

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Spectrum D3.1 MDU Modem



Product Information

Specifications

- **Model:** D3.1 MDU Modem
- **Input:** 100-127Vac, 50-60Hz
- **Output:** 54Vdc 1.5A
- **Connectivity:** 2.5G Ethernet, Voice 1-2, Coax, Power, PoE Out Internet (WAN) port
- **Reset Options:** Reboot (4 seconds), Factory Reset (10 seconds)
- **Dimensions:** 139.06mm x 182.98mm

Product Usage Instructions

Safety Notes

Device Powering: Use the specified power adapter and ensure a snug connection.

Disconnecting the Device: If damaged, immediately unplug the power adapter from the AC outlet.

Understanding Device Connections

- **Rear Panel:** Connect Ethernet-enabled devices using an RJ45 Ethernet cable.
- **Back Panel:** Connect power adapter, analog telephones, DECT base station, and coaxial cable.

Modem Dimensions



Safety Notes

Device Powering: This unit requires an input 100-127Vac, 50-60Hz output 54Vdc 1.5A power adapter. The DC barrel must be fully inserted to contact the back of the power connector port to ensure a snug connection.

Disconnecting the Device: If the modem becomes damaged or encounters some other abnormality, disconnect the power adapter from the AC wall outlet immediately.

Temperature and Altitude: Install the device in a location not to exceed the normal operating temperature range of 104°F (40°C) to 32°F (0°C). Maximum operating altitude is 3962 m (13000 ft.).

Understanding Device Connections

1. Rear Panel:

2.5G Ethernet (Internet): Connect to an Ethernet-enabled device such as a wireless access point/router (LAN switch, router) using an RJ45 Ethernet cable.

2. Back Panel:

Power: Use the supplied power adapter. Plug the other end into the wall power outlet.

3. Voice 1-2: Use to connect analog telephones or a DECT base station to the device. Telephone service must be enabled via spectrum.net/support

4. Coax: Connect to coax outlet using a coaxial cable.

Please see the following page for visual representation.

Note: Please contact customer care if a BBU is needed.

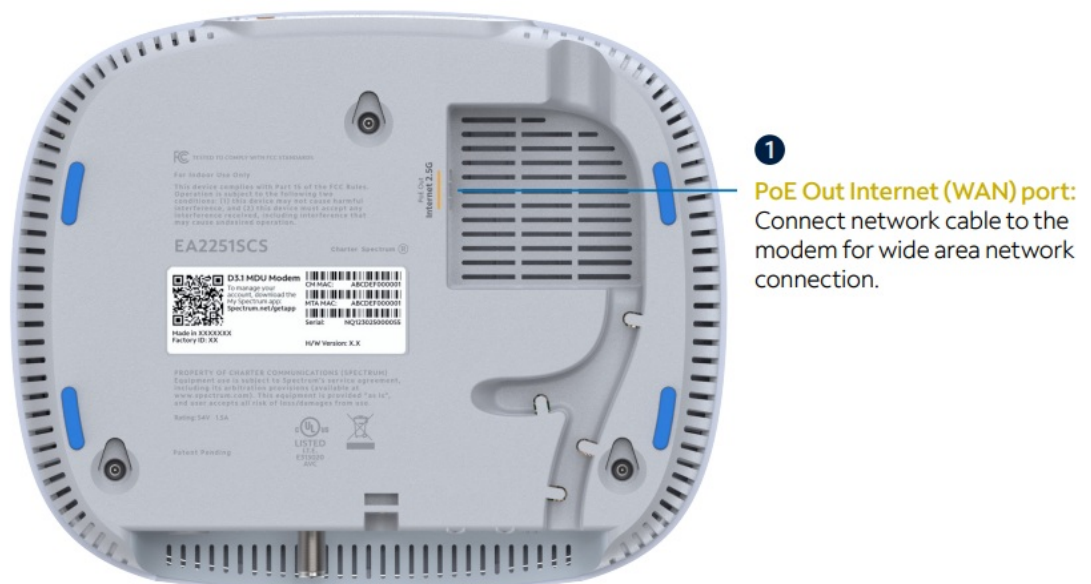
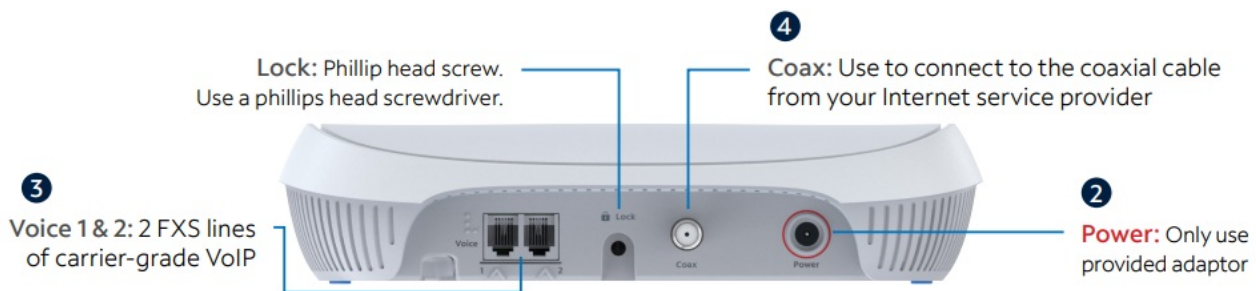
Device Reset

Device Reset: Use to restart the device or reset the device settings. When the lights on the FRONT PANEL are illuminated, press and hold the reset button for 4 seconds to initiate a power cycle (restart). Also, the device can be factory reset. Press and hold the button for 10 seconds to reset the device to factory default settings.

Note: all settings will be deleted with a factory reset. If you experience connectivity issues, refer to support article at spectrum.net/support or call Customer Service at [800-495-6590](tel:8004956590).



I/O Port



PoE Modem Braille and Markers

The modem's back and side panel tactile and Braille markers:



Braille: Reset



Braille: Voice port

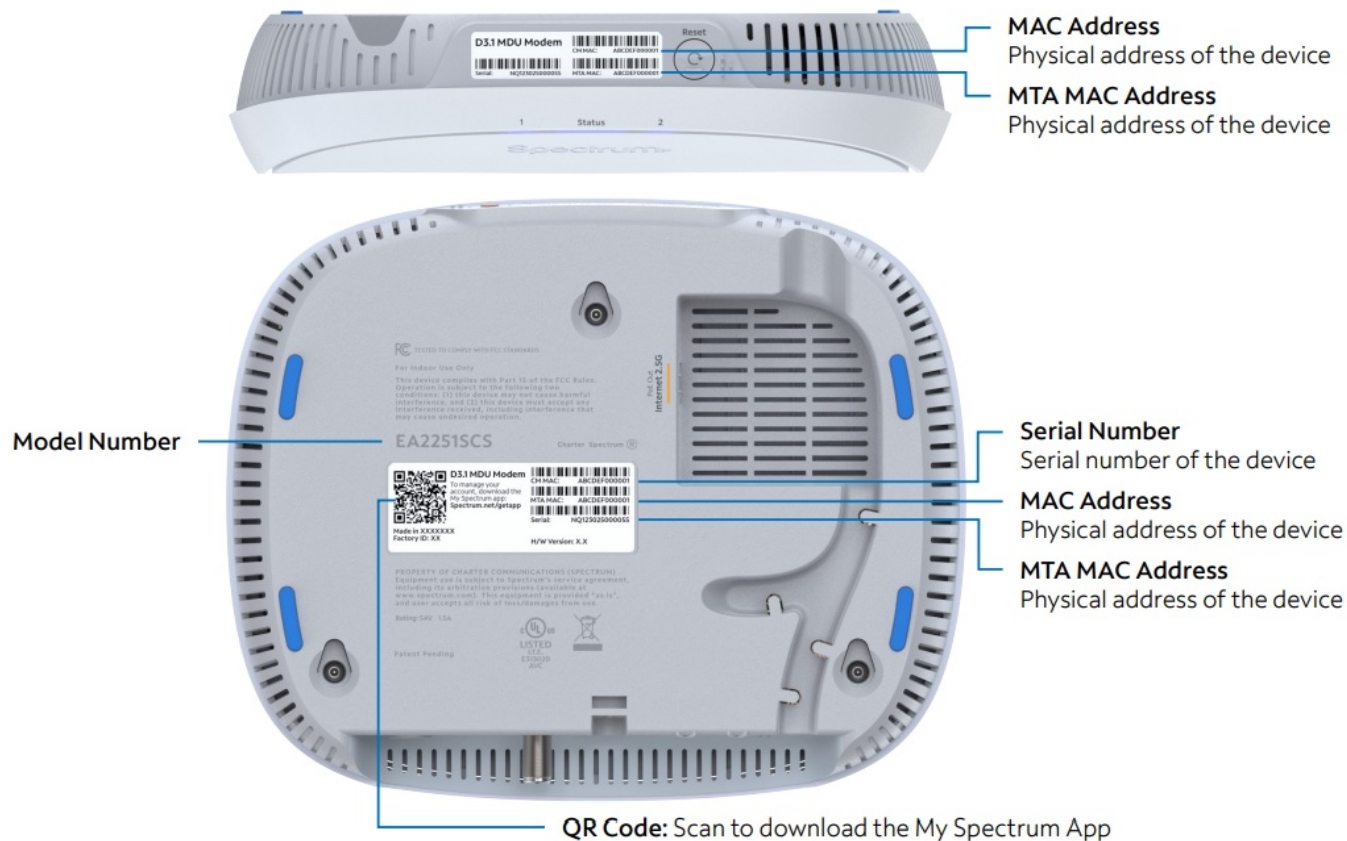
Tactile identifiers



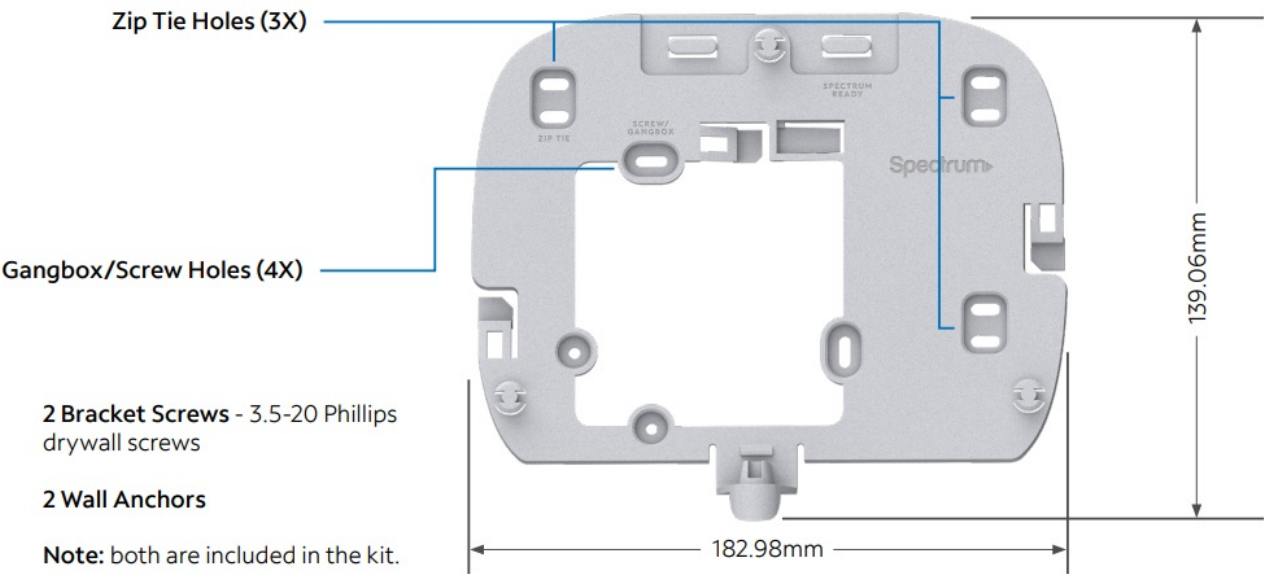
Braille: Ethernet

PoE Modem Labeling

The modem's label callouts:



Bracket Dimensions



Front Panel LED Behavior and Location

The LED status lights are located on the top side of the device.



Front Panel LEDs	Color	Description
Status Status Light	Blue Red White	<ul style="list-style-type: none"> Powering Up: Flashing between On Blue and Off Finding Connection (RF Signal): Easing between On Blue and Off Normal Operation: On Blue Operating in D3.0 Mode: On White
Voice Status Light	Blue	<ul style="list-style-type: none"> Voice Service Not Provisioned: Off Voice Service Provisioned: On Blue Any Phone Off-Hook on AC power: Easing between On Blue and Off Unable to Establish Phone Network Connection: Off
Firmware Upgrade Indication		<ul style="list-style-type: none"> Status: Easing between Blue and Red

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.

Note: The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all WiFi product marketed in US must be fixed to US operation channels only.

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

- 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.

Equipment connected to cable distribution systems employed in CATV systems shall be installed in accordance with the applicable provisions of Article 820.

The PoE circuits are considered as ES1 circuits, the function of the ITE being investigated to IEC TR 62102 is considered not connection to an Ethernet Network with outside plant routing, including campus environment; and the installation instruction clearly states that the ITE is to be connected only to PoE networks without routing to the outside plant.

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FAQ


Q: What should I do if I need a BBU?

A: Contact customer care for assistance if you require a BBU.

Q: How can I perform a factory reset?

A: Press and hold the reset button for more than 10 seconds to reset the modem to factory default settings. Note that all settings will be deleted with a factory reset.

Documents / Resources

 <p> <small> D3.1 MDU Modem Spectrum </small> </p>	<p> Spectrum D3.1 MDU Modem [pdf] User Guide D3.1 MDU Modem, D3.1, MDU Modem, Modem </p>
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References

- [▶ Spectrum.net](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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