ZYXEL EX3510-B1 AX5700 WiFi6 Gigabit Ethernet Gateway User Guide

Contents

ZYXEL

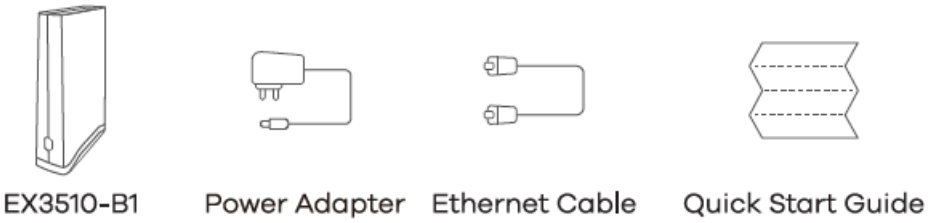
ZYXEL EX3510-B1 AX5700 WiFi6 Gigabit Ethernet Gateway

EX3510-B1
AX5700 WiFi6 Gigabit Ethernet Gateway A member of the Zyxel MPro Mesh solution family. MPro Mesh Solution:

- EX5510-BO
- EX3510-B1
- WX3310-B1
- MPro Mesh App

Visit **www.zyxel.com/us/en** for updated information.

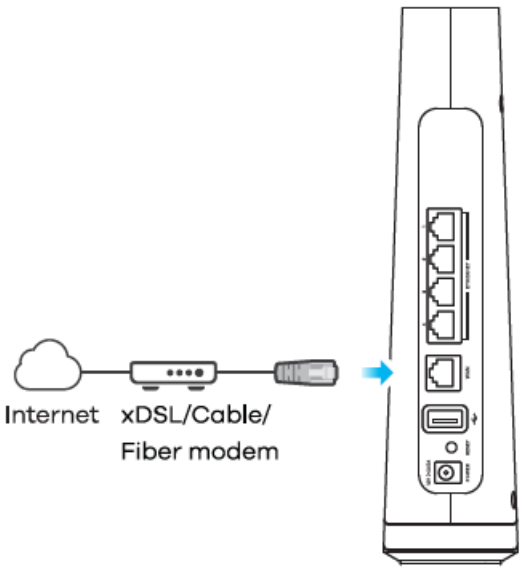
Package Contents



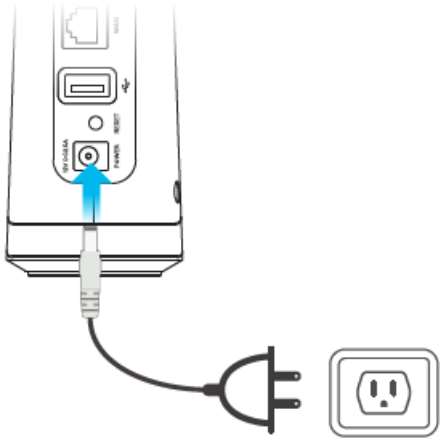
US Importer
Zyxel Communications, Inc 1130 North Miller Street Anaheim, CA 92806-2001 **https://www.zyxel.com/us/en/**

Hardware Installation

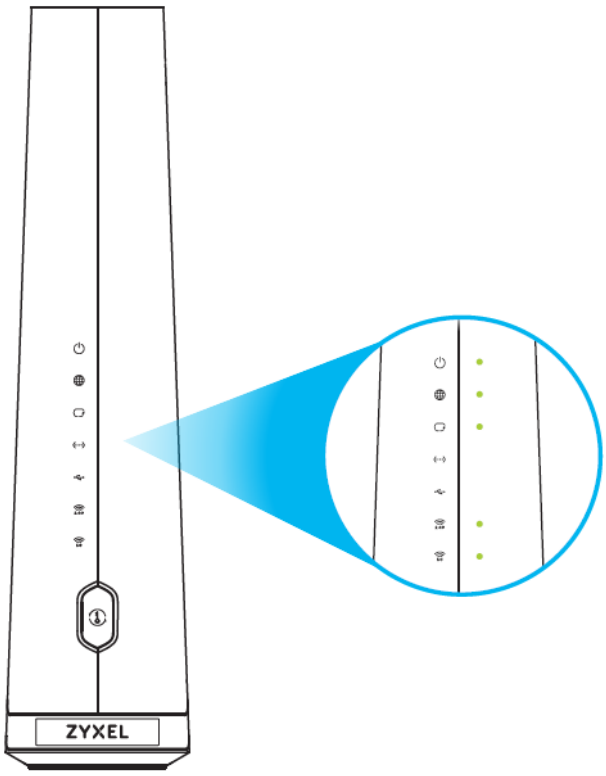
1. Use the included blue cable to connect the xDSL/cable/fiber modem's LAN port to the EX3510-B1's WAN port as illustrated.



2. Connect the power adapter to the EX3510-B1 and wait for 2 minutes. Check the EX3510 front panel.



3. The Power LEDs will light up green as below when the setup is complete. Note: If the lights do not turn on green, please retry or contact your service provider for assistance.



POWER	Green	**On -** Power is on. **Blinking -** Starting up.
	Red	**On -** System failure. **Blinking -** Upgrading firmware.
INTERNET	Green	**On -** Internet is ready. **Blinking -** Transmitting/receving internet data.
	Red	**On -** Attempt to get an IP address failed.
WAN	Green	**On -** Link up. **Off -** Link down.
LAN	Green	**On -** Link up. **Off -** Link down.
USB	Green	**On -** Link up. **Off -** Link down.
2.4G	Green	**On -** 2.4GHz WiFi is ready. **Blinking -** Transmitting/receving data.
5G	Green	**On -** 5GHz WiFi is ready. **Blinking -** Transmitting/receving data.

WiFi Connection A or B

The label on the side of the EX3510 provides 2 ways to connect your wireless device to WiFi: Method A: Scan QR code or Method B: Using SSID

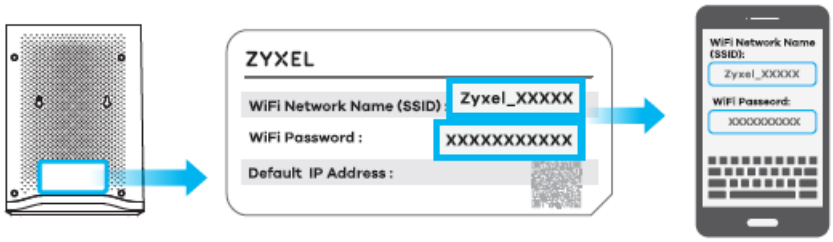
Method A: SCAN QR code to connect WiFi

1. Check the QR code on the EX3510's side label, and use your wireless device to scan this QR code.
2. After scanning the QR code, join this SSID and you can surf the internet.

B. Using the SSID method to connect WiFi

1. The WiFi SSID is on the EX3510-B1’s side label.

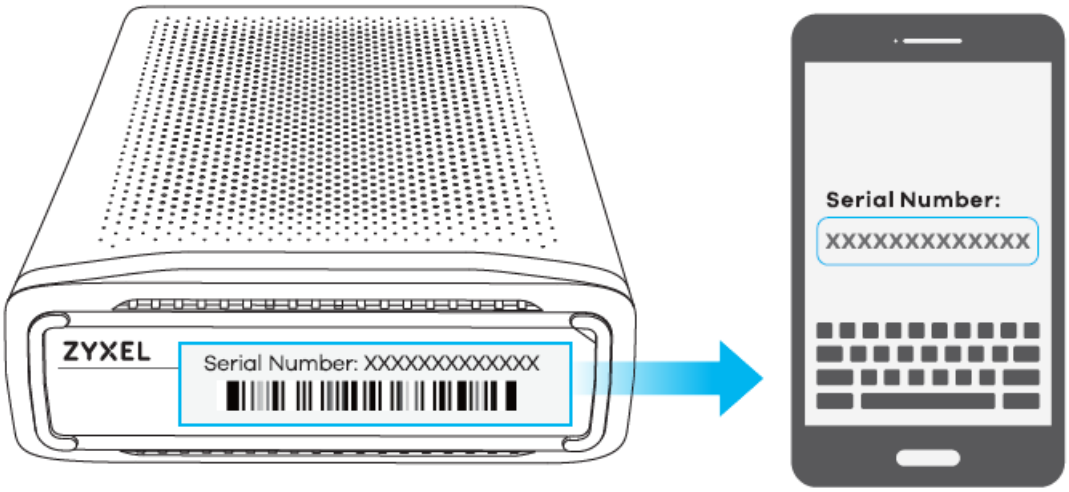
2. On your wireless device, find this SSI D and enter the Wi Fi Password on your wireless clients and you can surf the internet.



App Management

1. After successfully surfing the internet, please download the MPro Mesh app to your wireless device to manage your MPro Mesh.

2. Open this app and enter the EX3510-B1’s seriel number. The seriel number is on the bottom label as below.

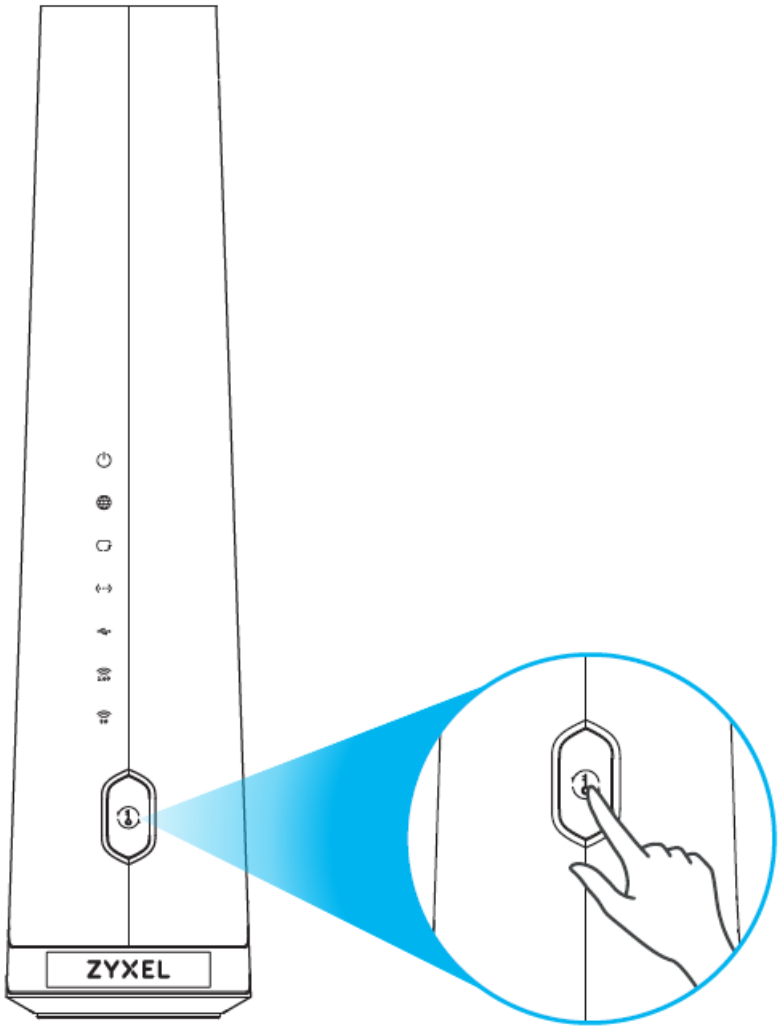


3. Use this app to enjoy the following features:

- Remote Management
- Internet Instant Block
- View Home Devices
- Add Mesh Extender
- Guest Wi-Fi
- Push Notification
- Manage Home Wi-Fi Name

Adding a Wireless Extender

WPS button: If you hove o wireless extender you wont to odd to your EX3510-B1's WiFi network, press the EX3510-B1 button once, and press the WPS button on your extender within 120 seconds to start the WPS process.



Regulatory Notice and Statement

UNITED STATES of AMERICA
The following information applies if you use the device within the USA.

FCC EMC Statement

- The device complies with Part 15 of 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.

- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.
- This device has been tested and complies with the specifications 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 device generates, uses, and can radiate radio frequency energy and, if not installed and used according to 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 device does cause harmful interference to radio or television reception, which is found by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna
- Increase the separation between the devices
- Connect the equipment to an outlet other than the receiver's
- Consult a dealer or an experienced radio/TV technician for assistance The following information applies if you use the device with RF function within the USA.

FCC Radiation Exposure Statement

- This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.
- This transmitter must be at least 46 cm from the user and must not be co-located or operating in conjunction with any other antenna or transmitter.

Safety Warnings

- DO NOT use this product near water, for example, in a wet basement or near a swimming pool.
- DO NOT expose your device to dampness, dust or corrosive liquids.
- DO NOT store things on the device.
- DO NOT install, use, or service this device during a thunderstorm. There is a remote risk of electric shock from lightning.
- Connect ONLY suitable accessories to the device.
- DO NOT open the device or unit. Opening or removing covers can expose you to dangerous high-voltage points or other risks.
- ONLY qualified service personnel should service or disassemble this device. Please contact your vendor for further information.
- Make sure to connect the cables to the correct ports.
- Place connecting cables carefully so that no one will step on them or stumble over them.
- Always disconnect all cables from this device before servicing or disassembling.
- Please use the provided or designated connection cables/power cables/ adaptors. Connect it to the right supply voltage (for example, 110V AC in North America or 230V AC in Europe). If the power adaptor or cord is damaged, it might cause electrocution. Remove it from the device and the power source, repairing the power adapter or cord is prohibited. Contact your local vendor to order a new one.

- **DO NOT** remove the plug and connect it to a power outlet by itself; always attach the plug to the power adaptor first before connecting it to a power outlet.
- **DO NOT** allow anything to rest on the power adaptor or cord and do NOT place the product where anyone can walk on the power adaptor or cord.
- **DO NOT** use the device outside, and make sure all the connections are indoors. There is a remote risk of electric shock from lightning.
- **CAUTION:** Risk of explosion if the battery (on the motherboard) is replaced by an incorrect type. Dispose of used batteries according to the instructions. Dispose of them at the applicable collection point for the recycling of electrical and electronic equipment. For detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the store where you purchased the product.
- **DO NOT** obstruct the device ventilation slots, as insufficient airflow may harm your device. For example, do not place the device in an enclosed space such as a box or on a very soft surface such as a bed or sofa.
- The following warning statements apply, where the disconnect device is not incorporated in the equipment or where the plug on the power supply cord is intended to serve as the disconnect device,
    - for permanently connected devices, a readily accessible disconnect device shall be incorporated external to the equipment;
    - for pluggable devices, the socket outlet shall be installed near the equipment and shall be easily accessible.
    - **Caution!** The RJ-45 jacks are not used for telephone line connection.
- Operation of this device is restricted to indoor use only, except for the relevant user's manual mention that this device can be installed in the external environment.
- For 2.4G WLAN, only channels 1 -11 are operational. Selection of other channels is NOT possible.

CANADA

- The following information applies if you use the device within Canada. Innovation, Science and Economic Development Canada ICES Statement CAN ICES-003 (B)/NMB-003(B) Innovation, Science and Economic Development Canada RSS-GEN & RSS-247 Statement
- This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science, and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
- This radio transmitter (2468C-EX3510B1) has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below with the maximum permissible gain indicated. Antenna types not included in this list that have, a gain greater than the maximum gain indicated for any type listed, are strictly prohibited for use with this device.

Antenna Information

NO.	MODEL NAME	TYPE	MANUFACTURER	GAIN	CONNECTOR
2.4G-ANTO	65-034-000142B	PCB	WHAYU	3.64 dBi (2400 MHz)	N/A
2.4G-ANT1	65-034-000192B			3.76 dBi (2450 MHz)	
2.4G-ANT2	65-034-0001418			3.35 dBi (2483.5 MHz)	
5G-ANT0	65-034-000147B	PCB	WHAYU	4.22 dBi (UNll 1) 4.47 dBi (UNII 2A) 4.36 dBi (UNII 2C) 5.32 dBi (UNII 3)	I-PEX
5G-ANT1	65-034-000195B				
5G-ANT2	65-034-000194B				
5G-ANT3	65-034-000193B				

If the device has 5G wireless function operating in the 5150-5250 MHz and 5725-5850 MHz bands, the following attention must be paid,

- The device operating in the 5150-5250 MHz band is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.
- For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the 5725-5850 MHz band shall be such that the equipment still complies with the e. i.r.p. limits as appropriate; and
- Where applicable, antenna type(s), antenna model(s), and the worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in Section 6.2.2.3 of RSS 247 shall be clearly

indicated. If the device has 5G wireless function operating in the 5250-5350 MHz and 5470-5725 MHz bands, the following attention must be paid.

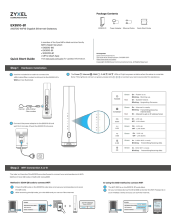
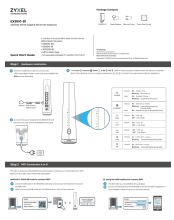
- For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the 5250-5350 MHz and 5470-5725 MHz bands shall be such that the equipment still complies with the e.i.r.p. limit.

Informations Antenne

<table>
<tr><th>NUMERO</th><th>NOM DU MODELE</th><th>TAPER</th><th>FABRICANTE</th><th>GAIN</th><th>CONNECTEUR</th></tr>
<tr><td>2.4G-ANT0</td><td>65-034-000142B</td><td rowspan="3">PCB</td><td rowspan="3">WHAYU</td><td>3.64 dBi (2400 MHz)</td><td rowspan="3">N/A</td></tr>
<tr><td>2.4G-ANT1</td><td>65-034-000192B</td><td>3.76 dBi (2450 MHz)</td></tr>
<tr><td>2.4G-ANT2</td><td>65-034-0001418</td><td>3.35 dBi (2483.5 MHz)</td></tr>
<tr><td>5G-ANTO</td><td>65-034-000147B</td><td rowspan="4">PCB</td><td rowspan="4">WHAYU</td><td rowspan="4">4.22 dBi (UNll 1)
4.47 dBi (UNII 2A)
4.36 dBi (UNII 2C)
5.32 dBi (UNII 3)</td><td rowspan="5">I-PEX</td></tr>
<tr><td>5G-ANT1</td><td>65-034-000195B</td></tr>
<tr><td>5G-ANT2</td><td>65-034-000194B</td></tr>
<tr><td>5G-ANT3</td><td>65-034-000193B</td></tr>
<tr><td colspan="5"></td></tr>
</table>

Industry Canada radiation exposure statement
This device complies with ISED radiation exposure limits set forth for an uncontrolled environment. This device should be installed and operated with a minimum distance of 27 cm between the radiator and your body.

Documents / Resources

	**ZYXEL EX3510-B1 AX5700 WiFi6 Gigabit Ethernet Gateway** [pdf] User Guide EX3510-B1 AX5700 WiFi6 Gigabit Ethernet Gateway, EX3510-B1, AX5700 WiFi6 Gigabit Ethernet Gateway, Gigabit Ethernet Gateway, Ethernet Gateway, Gateway
	**ZYXEL EX3510-B1 AX5700 WiFi6 Gigabit Ethernet Gateway** [pdf] User Guide EX3510-B1, EX3510B1, I88EX3510-B1, I88EX3510B, EX3510-B1 AX5700 WiFi6 Gigabit Ethernet Gateway, EX3510-B1 AX5700, WiFi6 Gigabit Ethernet Gateway, Gigabit Ethernet Gateway, Ethernet Gateway