1--Wi-Fi EXTENDERS

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Web location for this presentation:

http://aztcs.apcug.org
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"Meeting Notes"

SUMMARY

Verizon Home Internet Gate connects with a wireless Wi-Fi backhaul

to a Wi-Fi extender connects via a Cat 7 cable to a router that is the "Main" part of a mesh

connects via a wireless Wi-Fi backhaul to a router that is the "Satellite" part of a mesh

3





Nokia "GATEWAY" PROVIDED BY VERIZON

TP-Link router on (South side of the house)

Spotty wireless coverage on the North side of the house and wired Ethernet connections needed on the first floor of the house









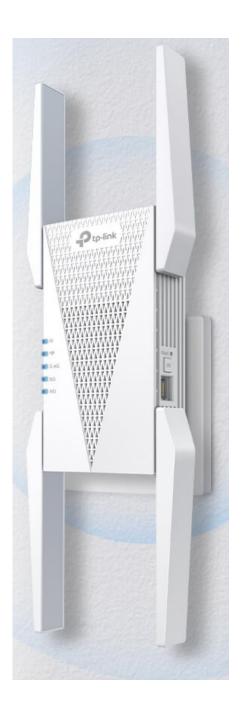
Router acting as "Main" part of the mesh



Router acting as Satellite part of the mesh

 https://www.amazon.com/dp/B0C7RRY FH3?psc=1&ref=ppx_yo2ov_dt_b_prod uct_details

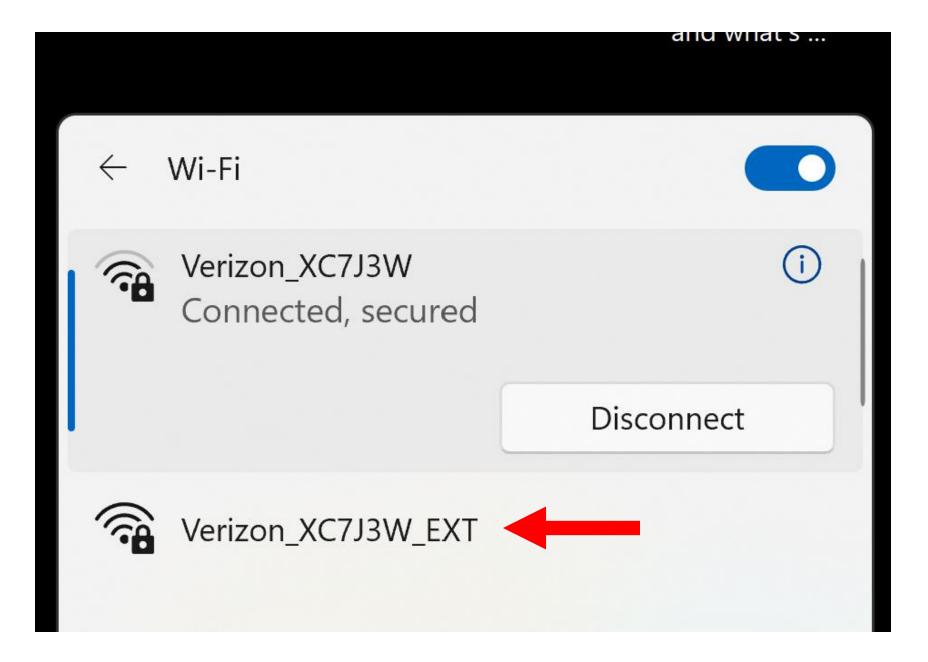
 https://www.tp-link.com/us/homenetworking/range-extender/re815xe/

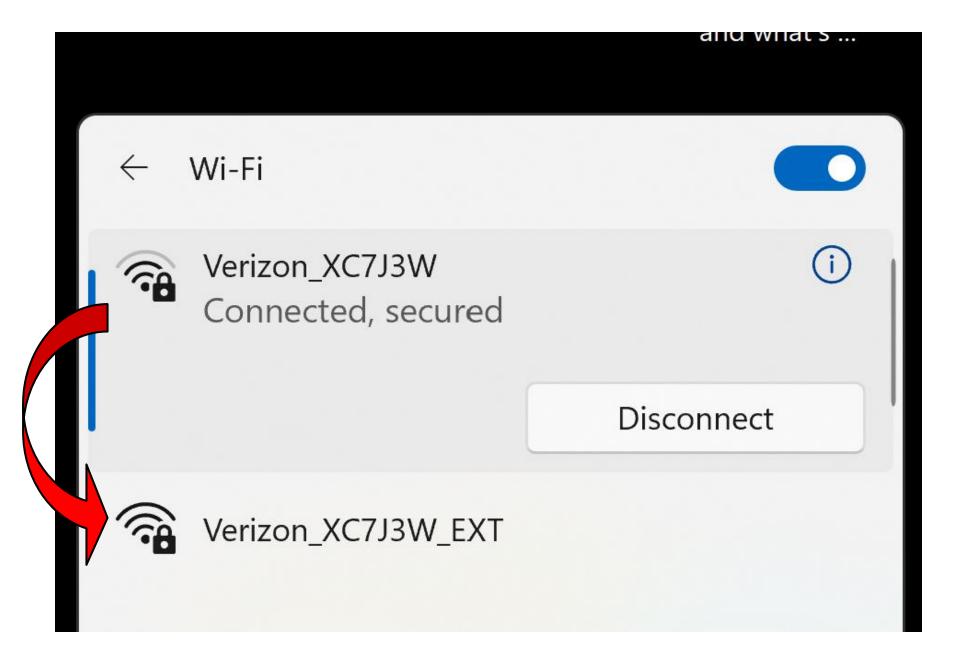


Wi-Fi EXTENDER

 The TP-Link Wi-Fi extender extends the wireless range of the Verizon gateway:

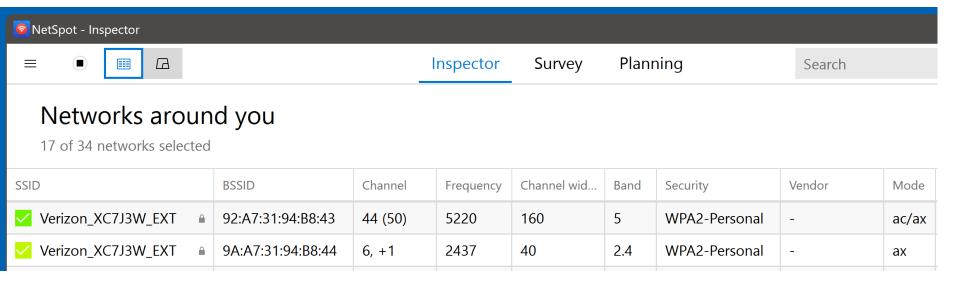
• The TP-Link Wi-Fi extender's 2.5 Ghz transmitter/receiver called Verizon_XC7J3W_EXT is a repeat of the Verizon gateway's 2.5 GHz transmitter/receiver called Verizon_XC7J3W

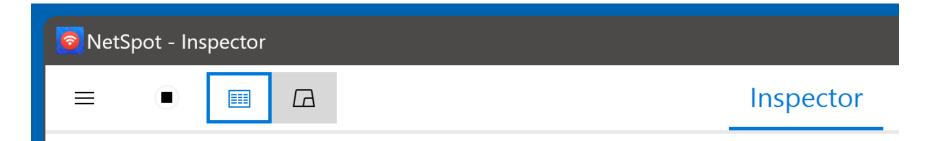




- Wi-Fi EXTENDER (continued)
 The TP-Link Wi-Fi 6 extender has three "Wi-Fi 6" transmitter/receivers: a 2.5 GHz RF transmitter/receiver a low-band 5 GHz RF transmitter/receiver and a high-band 6 GHz RF transmitter/receiver
- All three of the transmitter/receivers have the same SSID.
- Each has a different BSSID.₁₂

The TP-Link Wi-Fi extender repeats and transmits the XC7J3W 2.45 GHz RF transmitter/receiver of the Verizon gateway and the XC7J3W 5 GHz RF transmitter/receiver of the Verizon gateway





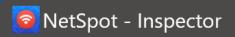
Networks around you

17 of 34 networks selected

SSID	BSSID	Channel	Frequency
✓ Verizon_XC7J3W_EXT	92:A7:31:94:B8:43	44 (50)	5220
Verizon_XC7J3W_EXT	9A:A7:31:94:B8:44	6, +1	2437
Verizon_XC7J3W	FC:12:63:44:98:BA	112 (106)	5560
Verizon_XC7J3W	FC:12:63:44:98:B9	6, +1	2437

The TP-Link Wi-Fi extender's 5 Ghz transmitter/receiver called Verizon_XC7J3W_EXT is a repeat of the Verizon gateway's 5 GHz transmitter/receiver called Verizon_XC7J3W_EXT

- Inside the wireless Wi-Fi settings of a computer, a tablet, or a cell phone, a Wi-Fi extender shows up as
 - <Service Set Identifier of the router>_ext or
 - <Service Set Identifier of the router>_EXT
 or
 - <Service Set Identifier of the router>ext or
 - <Service Set Identifier of the router>EXT











Inspector

Networks around you

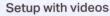
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✓ Verizon_XC7J3W	FC:12:63:44:98:B9	6, +1	2437

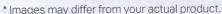


Quick Installation Guide

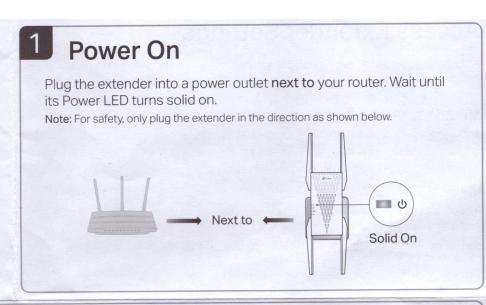
Range Extender



Scan the QR code, or visit https://www.tp-link.com/support/setup-video/#range-extenders and search for the setup video of your model.







2 Set Up

Via the Tether App

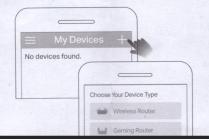
 Get the up-to-date Tether app from the Apple App Store or Google Play, or simply scan the QR code.







 Tap the + button and select Range Extender.
 Note: If you cannot find your device, please refer to FAQ > Q1.



More Setup Methods

- Via a Web Browser
- 1. Connect your computer or smartphone to the extender's network TP-Link_Extender.
- 2. Visit http://www.tplinkrepeater.net or http://192.168.0.254 in a web browser. Create a password to log in.
- 3. Follow web instructions to complete the setup.
- Via the WPS Button
- 1. Press the WPS button on your router.

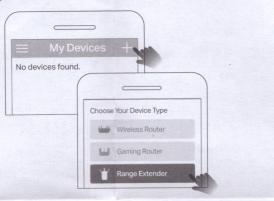
2 Set Up

Via the Tether App

1. Get the up-to-date Tether app from the Apple App Store or Google Play, or simply scan the QR code.



Tap the + button and select Range Extender.
 Note: If you cannot find your device, please refer to FAQ > Q1.



2. Launch the Tether app and log in with your TP-Link ID. If you don't have an account, create one first.



4. Follow app instructions to complete the setup. The LED should turn solid on, indicating successful connection to your router.

Note: If the LED does not turn solid on, please refer to FAQ > Q2.



More Setup Methods

Via a Web Browser

- Connect your computer or smartphone to the extender's network TP-Link_Extender.
- Visit http://www.tplinkrepeater.net or http://192.168.0.254 in a web browser. Create a password to log in.
- 3. Follow web instructions to complete the setup.

Via the WPS Button

- 1. Press the WPS button on your router.
- 2. Within 2 minutes, press the WPS button on the extender for 1 second. The \$\infty\$ LED should change from blinking to solid on, indicating successful connection.

Note: If the LED does not turn solid on, repeat steps 1 and 2 to connect again, or connect via the Tether app or web browser.

Extended Network Names:

Router's network name with EXT at the end or Same as your OneMesh router (See back for OneMesh details)

Passwords:

Same as your router

