

**Tip #2 – Speed Up Your Wireless Network By Eliminating Older Devices!**

**Summary:** Older wireless devices cause a poor Wi-Fi experience for customers using newer devices on the same network.

**Overview**

“Older wireless devices”, defined as operating in 802.11a, 802.11b, or 802.11g WiFi mode, are NOT recommended for use with the Firefly network.

More current WiFi versions are 802.11n, 802.11ac, 802.11ax, the newest version. These ARE recommended for use with the Firefly network. The table below illustrates this data.

WiFi Protocol	Frequency	Maximum Data Rate	Recommended for Use with Broadband Light (100 Mbps) and Flash (1 Gbps)
802.11ax	2.4 or 5 Ghz	2.4 Gbps	Yes
802.11ac wave2	5 Ghz	1.73 Gbps	Yes
802.11ac wave1	5 Ghz	866.7 Mbps	Yes
802.11n	2.4 or 5 Ghz	450 Mbps	Yes
802.11g	2.4 Ghz	54 Mbps	No
802.11a	5 Ghz	54 Mbps	No
802.11b	2.4 Ghz	11 Mbps	No
Legacy 802.11	2.4 Ghz	2 Mbps	No

Firefly customers should avoid using legacy devices on their Firefly wireless network for two reasons:

1. Older devices can't take advantage of the service speeds that you have purchased
2. Older devices cause high interference and a poor Wi-Fi experience for your newer wireless devices!

**Related Topics**

When experiencing wireless speed slowdowns in your home, older legacy device(s) are a good potential culprit(s) to consider. Check for, turn off or remove these pesky devices to ensure that the users of newer connected devices receive an optimal internet experience.