WIFI:

WiFi (Wireless Fidelity) was a great technology innovation to Internet users, but is also one of the most problematic as setting up a connection to WiFi can be a daunting experience for many people. WiFi is a variation of radio transmission between two devices, initially designed to use a specific government controlled bandwidth spectrum (2.4 GHz). It is a low powered line-of-sight signal with a maximum range of about 300 feet.

The initial WiFi standard (IEEE 801.11a) was developed in 1997, with additional standards released as technology improved to add faster and more robust connectivity features. WiFi is now available in 801.11a, 801.11b, 801.11g, and 801.11n standards. Most WiFi devices will support some or all of the standards and will automatically adjust to the best common standard to establish a connection.

WiFi was granted the 5.0 GHz bandwidth spectrum to offload the congestion on the 2.4 GHz bandwidth spectrum, which is also used by Bluetooth, cordless telephones, wireless cameras, baby monitors, and even microwave ovens. Most newer devices made in the past few years support the 5.0 GHz bandwidth spectrum, so it is advised to use it whenever it is available.

The eero Pro Router provide tri-band WiFi, which is the 2.4 GHz bandwidth spectrum and dual 5.0 GHz bandwidth spectrums.

Tech Assist has assisted numerous residents to setup, configure, and test WiFi on their home router, computers, smartphones, tablets, smart-TV, other WiFi devices. Tech Assist has also helped improve the coverage and reach of WiFi so that connectivity is available in every part of the home.

Unlike most home use Internet router products, the Hotwire eero Pro Router does not support WPS (WiFi Protected Setup) as it is well-documented security issues. The Hotwire eero Pro Router also do not support older encryption standards like WEP, WPA, or WPA2 TKIP, which are found in older WiFi devices and printers.

BLUETOOTH:

Bluetooth is low cost wireless communication technology and is very similar to WiFi except it is predominantly focused on short range (30 feet) connections between devices without using cables. Bluetooth also uses the 2.4 GHz bandwidth spectrum and essentially competes for the same bandwidth as WiFi.