

THE NetworkGuy

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Learn from The Network Guy

My home Wi-Fi Internet connection seems to be very slow. Why does this happen and how can I easily fix it?

The Network Guy:

There are many reasons why your connection may be less than ideal, but some of the most likely can be simple to fix. Even if everything seems to be working well, keep these tips in mind to get the most out of your home Wi-Fi Network:

- > Check the wireless router. A wireless router needs open spaces, away from walls and obstructions.
- > If you have a dual or tri band router, you'll likely get better performance from the 5GHz band instead of the more common 2.4GHz band.
- > You can change the channel in your wireless network's administrator interface, typically under the basic wireless setting category.
- > Make sure your router software is up to date.
- > If the wireless router is running on old hardware, you won't receive the best performance. Contrary to the old adage, it may be time to consider a replacement, even if the router isn't broken.
- > Use the router's Quality-of-Service tools to prioritize traffic.
- > Routers are only capable of broadcasting reliably up to a certain distance, after that, the signal gets weak. If your area is large, you may need a wireless range extender.
- > Add access points if you are covering a large space, like multiple floors or separate buildings.

Things That Make You Go Hmmm...

In 2000, Netflix wanted to sell itself to Blockbuster for \$50 million. According to Netflix co-founder Marc Randolph, "They laughed at us." Netflix is now worth \$195 billion.

In early 2005, MySpace was interested in acquiring Facebook. Mark Zuckerberg asked for \$75 million. MySpace felt the price was too high.

In 2008, Airbnb's founders wanted to raise startup capital. They were seeking \$150,000 in exchange for 10% of Airbnb. They emailed seven prominent investors. Five of them sent back rejections. The other two didn't respond. Today, a 10% stake in Airbnb is worth more than \$8 billion.

Canva founder Melanie Perkins was rejected by investors more than 100 times. "Most people said they weren't quite ready," she has said. "Each of these rejections hurt a lot." Today, Canva is said to be worth more than \$30 billion.

The business now known as Ring had a very public rejection. Jamie Siminoff pitched Shark Tank, back in 2013. He wanted \$700,000, which would've valued the business at \$7 million. There was no deal. Amazon bought Ring for \$1 billion in 2018.

(Source: @JonErllichman on Twitter)

The Network Guy Quiz Challenge

PenTeleData is giving one lucky winner a \$150 Amazon Gift Card. Just visit www.ptd.net/quiz-challenge by **August 31, 2023** to answer the contest question. We will select a winner at random from all correct entries. **Good Luck!**

Click the Quiz Challenge link and find out what's true about the speed of a home Wi-Fi connection.



ChatGPT's Biggest Feature So Far: Code Interpreter

Code Interpreter is the latest feature in ChatGPT (specifically, with the GPT4 model) that makes anyone a data analyst! It can execute code, not just interpret it, which promises to open new horizons in user interaction in both computation and communication. It also supports uploading and downloading files, which was not previously possible in ChatGPT.

Simply put, this new version can quickly and easily complete many tasks, including:

- > Create data visualizations like charts, spreadsheets, and graphs, for foreign debt or product revenue (or almost anything!)
- > Figure out the price of bitcoin in the blink of an eye
- > Design easy Geo Charts, such as plotting blinking lighthouses along the coastline of the United States
- > Come up with "interesting hypotheses" results in a well-constructed automated linear regression
- > Graph public data without input
- > Design automatic radar charts
- > Create heatmaps, such as for crime within a designated area
- > Plot mathematical functions without defining all the elements of the formula
- > Transform images into video or gifs (or gifs into videos).
- > Create QR Codes, Analyze long PDFs, Program a simple game

Code Interpreter can do all of this and much more almost instantly. What data will you choose Code Interpreter to analyze first? The options are limitless!



"Wise man say forgiveness is divine, but never pay full price for late pizza."

~ Michelangelo, Teenage Mutant Ninja Turtles

PenTeleData is Proud to Serve Sunbury, PA

Because of its strategic point along the Susquehanna, Sunbury became the site of one of the most important frontier forts in Pennsylvania, Fort Augusta. Ft. Augusta was a reliable stronghold during the days of the French and Indian War. It also played a major role in the Revolutionary War where it served as the military headquarters for the American Forces in the Upper Susquehanna Valley.

The gentle beauty of the Susquehanna River flows along the western edge of the city. The river has provided prosperity and recreation to the Sunbury area for many years. The village of Shamokin, with about ten Native American dwellings, were located along the water. This village became the site of Fort Augusta. Fort Augusta eventually became the property of Colonel Hunter and his descendants lived there until 1848 when the log home burned. The present Hunter House was built by Captain Samuel Hunter, a grandson of Colonel Sam Hunter. The home at 1150 North Front Street in Sunbury is now home to the Northumberland County Historical Society and houses a museum with an excellent historical and genealogical library.

Sunbury became internationally famous when in 1883 Thomas Edison demonstrated his invention, the electric light, by wiring the city hotel. The hotel, which was the first building to use Edison's three wire system, changed the world and was renamed "The Edison Hotel" to honor the inventor. Edison also wired the Railroad Station on Second Street. Sunbury had become an important railroad center.

The Sunbury Flood Wall was proposed after the disastrous flood that occurred in March of 1936. Construction of the flood system began in May of 1946 by the War Department, later changed to the Department of the Army, and was completed in 1951. The existing flood control system protects 147 acres of the City of Sunbury is a combination of 2.4 miles of flood wall, 2.6 miles of levees and several pumps monitoring stations. This system has evolved and been improved over the course of 60 years to protect the city from flooding.

The Adam T. Bower Dam is an extremely unique site in Sunbury. The dam is actually an inflatable fiber tube which stretches across the Susquehanna River. The dam is inflated in the spring to form a reservoir which is perfect for fishing and water sports, such as water skiing. The dam is lowered in the fall to allow fish migration and to keep the water's level down when the spring thaws the snow.

(Source: <https://www.sunburypa.org>)



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