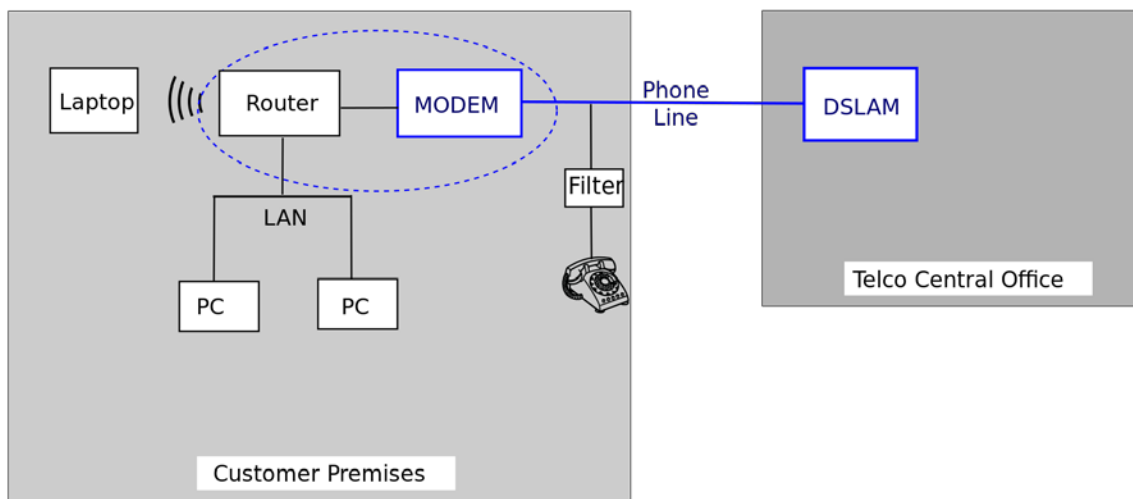


DSL

A simple guide.

What does DSL mean?

Digital Subscriber Line, is a type of technology that connects the user (you) to high-speed Internet bandwidth connections across a telephone network. It uses the same lines as your regular telephone service. Essentially, is data across copper lines, or in simple terms: Internet coming to you by using **existing** copper phone lines (2 wires) that are already in your house or business, so there is typically no need to run new cables or disrupt your business with new wiring. In fact, in most homes across the U.S., DSL Internet can be set up using an ordinary telephone jack. See below for an example of a diagram



Will it tie up my phone line?

Though your DSL will use existing phone lines, it will **NOT** tie up your phone lines when you are using either. Though they both use the same medium and cable, they each work on their own "channel" and do not interfere with each other. There is typically a "splitter" that is installed, that would separate voice from data.

Do I DIAL to my Internet Service Provider?

Though there will be a device called a DSL Modem, there is **never** a need to dial anything or anywhere. Your DSL service is ALWAYS on. This happens completely seamlessly. Your connection is always **ON**

Are there different types of DSL?

Yes, there are. Without going into a lot of technical details, different upstream (upload) and downstream (download) rates may apply for each type depending on the service you request, the distance you are from the phone center and what is available in your area, your home and business. Some of these flavors are ADSL, SDSL, VDSL, HDSL, and other technologies exist. What is important to ask for and to know (without the technical details) is the speed of the downstream v/s the upstream. The technology used matters less than understanding how much data you have. More data means more users can use the internet or IP based services (such as VoIP and others) over that data stream. There are ALWAYS limitations

Is CABLE the same as DSL?

No cable is different than DSL. Though both can bring you voice and data (phone and internet), they are completely different technologies, speeds, mediums and services.

What are the benefits of DSL Service:

- Greater Bandwidth Capacity
- Constant Connection: DSL provides a 24/7, “always-on” connection, with no waiting to dial into an Internet connection.
- DSL offers more reliable network performance and higher speeds than dial-up modems with a wide variety of options.
- DSL users can talk and surf the Internet at the same time. No second phone line is required for Internet access
- DSL is also more secure than other connections, because it is not shared, meaning that your connection goes from your premise to ours, offering unparalleled protection from hackers.
- Another advantage of DSL is that it is very reliable, and has typically less issues than other technologies as it is extremely established, well known, well documented and has been time tested.