Set up a home router

First time setup

**Many have automatic setup utility that can be used to configure the basic settings on the router. It usually requires PC or laptop to be connected to configure the wireless client software on that device**

**To connect it u need to connect ethernet patch cable into the network port on PC plug the other end into a LAN port on router.** It will connect to the DSL or cable modem

Some routers have **build in modem**, if that’s the case, verify that the type of connection is correct. It will have a **coaxial terminal to accpet a BNC-type connector**

DSL connection usually smt like RJ-11 connector

**After confirming the connection and the link lights on the NIC indicate a working connection If the pc coesnt have a IP address check the router documentation and configure the pc wih a unique IP address, subnet mask, default gateway and DNS information**

Design considerations

**Before entering the configuration utility, or manually configuring the router, you should consider how your network will be used and configure on those needs**

What should my network be called?

**If SSID broadcasting is on, the name will be seen by all clients within the signal**

**Many times the SSID gives too much information about the network to unknown peoplel**

What types of devices will attach to my network?

**Wireless devices contain radio transmitter/receivers that function on specific frequency range**

If device only has 802.11b/g it will not connect to wireless router that is configured to only accept 802.11n or 802.11ac standards

If all devices support the same standard, the network will have optimum speed

**Legacy mode enables older devices to join but will be worse**

How do I add new devices?

The decision on who can acces should be determined by how you plan to use the network

**SOME WLAN routers provide so called guest access**

This area allows open access but restricts that access to using the internet only

Wireless router and client configuration video

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