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Communication is the vital art which humanity has developed in the course of evolution and â€˜computer and networking has brought precision, consistence and seamlessnessâ€™ in this art, and there is no exaggeration in saying so. On broad context you often use the term â€˜Information technologyâ€™ to encompass all software and hardware ensembles, and it has become supportive for all work domains transcending performance and output for a better and smarter planet. Advent of remote sensing is a milestone which accentuated the mode of sharing and communication.

Nowadays, you can create a wireless home network to share PCs, printer, Internet access and other resources in a hassle-free manner. But before you make it live donâ€™t forget to secure it against any unauthorized access. You can avail computer support from equipment manufacturers as well as from third-party vendors to setup, install, configure and secure your wireless connection. Most of the time the support is available over the phone or through the secure Internet connection, and experts can remotely do all settings and troubleshooting on demand. Knowledgebase and user-manual of manufacturer can be of great help in accomplishing all such tasks.

Letsâ€™ see how to secure a wireless computer network:

1. Install a firewall

A firewall as you know isolates your network from outside world while permitting you smooth access to data, resources and network stuffs. It comes built-in with security software or with the hardware appliances, and sometimes can be a blend. It either denies or allows outgoing traffic known as egress filtering or incoming traffic known as ingress filtering.

2. Change default administrator passwords and usernames

The network or router password /username should be changed after the setup and installation, as bad-guys can easily unveil those default settings via the Internet, and may get unwanted access.

3. Turn on compatible encryption

Latest wireless routers come with Wi-Fi Protected Access (WPA) or Wired Equivalent Privacy (WEP) encryption technology, and you can choose the desired level of encryption to secure electronic communication.

4. Change the default network name

Manufacturer of wireless router offers Service Set Identifier (SSID), a name by which different network components communicate with each other. You must change this information after the network setup to shield it against any unauthorized access.

5. Activate address filtering

A wireless router is designed to communicate with those network components whose Media Access Control (MAC) addresses are in sync with the input information, thereby making the network secure from any unidentified devices. You should keep the feature enabled. Also, disable the SSID feature as its make your system vulnerable and anyone with your PC's Network Administrator credential can get the access to your shared data.

Hopefully, the enunciated information will help you to secure your wireless network connection. Being a novice, navigating to online computer support service is a good idea. Experts will make sure that every setting is done as per the standard and specification of your router device. They can also help you to equip your computer or server with a desired Internet security software and configure the firewall feature of your system software.

However, if you experience any virus and spyware related issues with your system or network, online computer help service can scan, diagnose and remove culprit entity in a quick and easy way to secure your digital world.

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