# Wireless Router Configuration

Estimated Time: 35 minutes

Objective: Explore the features of a wireless router.

Description: The ability to properly configure a wireless router is an important skill for end-users. In this project, you use an online emulator from TRENDnet to configure a wireless router.

1. Use your web browser to go to [**https://www.trendnet.com/emulators/TEW-827DRU\_v2.0R/basic\_status.html**](https://www.trendnet.com/emulators/TEW-827DRU_v2.0R/basic_status.html) (The location of content on the Internet may change without warning; if you are no longer able to access the program through this URL, use a search engine and search for “Trendnet Emulators.”)
2. An emulated Setup screen is displayed, showing what a user would see when configuring an actual TRENDnet.
3. Be sure that the **BASIC** tab is selected in the left pane. Note the simulated **Network Status** information.
4. Click **Wireless** in the left pane and read the information displayed.
5. Under **Broadcast Network Name (SSID)**,note the two options. What would **Disable** do? Why is this not considered a strong security step?

Click or tap here to enter text.

1. Under **Security**,note the default setting for **Security Mode**. Is this a good option default option?

Click or tap here to enter text.

1. Under **Security**,use the pull-down menu to display the options for **Security Mode**. What does **WPA2-PSK** mean? What are the other options?

Click or tap here to enter text.

1. Under **WPA**,the **Pre-Shared Key** is the value that would be entered on this wireless router and on each of the wireless devices on the network. Click **Show Password** and then enter a strong key value.
2. In the left pane, click **Guest Network**. Read the information about a guest network. A guest network allows you to have an additional open network just for occasional guests that does not affect the main wireless network.How could this be an advantage?

Click or tap here to enter text.

1. Note the option under **Internet Access Only**. When would you select this option?

Click or tap here to enter text.

1. Note the option under **WLAN Partition**. Why is this not enabled by default?

Click or tap here to enter text.

1. Under **Security**,note that an option under **Security Mode** is **Disable**. Why would a guest network’s security be turned off by default? (Hint: If it were turned on, what would the guests need before they could use the network?)

Click or tap here to enter text.

1. In the left pane, click **ADVANCED**.
2. Click **Security**.
3. Under **Access Control**,what is the **Enable Access Control** setting? Does it provide strong security if it were enabled?

Click or tap here to enter text.

1. Click **Setup**.
2. Click **Upload Firmware** and read through the information. When would you use this option?

Click or tap here to enter text.

1. How easy is this user interface to navigate? Does it provide enough information for a user to set up the security settings on this system?

Click or tap here to enter text.

1. Close all windows.

## Assignment Submission

Attach this file to the assignment in Blackboard.