

# ETC Setup Guide

## NETGEAR WAX610 and WAX610Y

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### Overview

ETC offers the following NETGEAR® Wireless Access Points (WAP) preconfigured for the ETC lighting network:

- NETGEAR WAX610
- NETGEAR WAX610Y

For optimal performance this WAP is preconfigured for an ETC lighting network. No additional configuration is required. Install the WAP according to the installation instructions provided in the packaging by the manufacturer.

If your access point was reset to NETGEAR factory defaults, you can reconfigure it to work on an ETC lighting network by following the instructions in this guide. If you have any questions, contact ETC Technical Services at one of the offices identified at the bottom of this page.

### Before You Begin

ETC preconfigured your WAP prior to shipment. You do not need to perform the following steps unless your WAP was not preconfigured or was reset to NETGEAR factory defaults.

To configure the WAP you must connect it to a computer with a network interface card (NIC) that can switch between IP addresses in the following ranges:

- One IP address in the range 192.168.0.X, with a subnet mask of 255.255.255.0
- Another IP address in the range 10.101.X.X, with a subnet mask of 255.255.0.0

You also need a configuration TAR archive (tarball) file. Contact ETC Technical Services for the correct and current version of this configuration file. The configuration file has the standard ETC configuration that is required for your WAP model with a compatible IP address.



**Note:** Every device in a system must have a unique IP address. If your system contains multiple WAPs, separate files for each WAP will be required.

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### Configuration Settings

The following settings are modified from the NETGEAR factory defaults in a standard ETC WAP configuration:

Configuration Property	Modified Property Value
Username	admin
Password	Etc4116!
Management IP address	10.101.1.21 – 10.101.1.50
Management subnet mask	255.255.0.0
Spanning Tree Protocol	Disabled
IGMP Snooping	Disabled
DHCP Client	Disabled
QoS Settings	Disabled



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Product information and specifications subject to change. ETC intends this document to be provided in its entirety.  
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### Configuration

Perform the following steps to configure your WAP for use on the ETC lighting network.



**Note:** Access points that were preconfigured by ETC have a small IP address label on the unit. If your WAP does not have an IP address label or if you need to use a different IP address, label the WAP with the IP address of the configuration file you plan to use.

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1. Connect your computer to any numbered port on a network switch with a network cable, then connect the WAP to a Power Over Ethernet (PoE) port on that switch with another network cable. The WAP takes a few minutes to fully boot.
2. If necessary, label the WAP with the IP address in the configuration file while you wait for it to boot.
3. Open an internet browser and navigate to the IP address of the WAP.
  - If there is no DHCP server on the network, the default WAP IP address is 192.168.0.100. Change your computer NIC to IP address scheme 192.168.0.X.
  - If there is a DHCP server on the network, you will need to discover what IP address was served. Change your computer NIC to an IP address in that scheme.
4. Open an internet browser and navigate to the IP address of the WAP.
5. From the login page, enter Username: **admin** and Password: **password**, then select **Login**.
6. Day Zero Easy Setup occurs the first time you log in. Select **Management Mode of [Web-browser (Local)]** and new setup options appear.
7. The options provided are sufficient to load a configuration file and may be overwritten, but you should perform the following modifications before you continue:
  - Enter and confirm **Etc4116!** as the new password.
  - For **SSID**, enter **ETCLighting**.
  - For **Passphrase**, enter **etc4116!**
8. Select **Apply** to save your settings and return to the login page.
9. Log in with the new username (**admin**) and password (**Etc4116!**).
10. Once you are logged in, select the Management tab, then navigate to **Maintenance > Upgrade > Backup and Restore** on the side menu.
11. Select the **Restore Settings** tab, then select **Browse File**. Navigate to and select the configuration TAR file that you received from ETC Technical Services, then select **Restore**.
12. A password prompt will appear for restoring the configuration. The password to restore ETC standard configuration is **Restore4**. Enter this and select **Continue**.
13. A "Restore complete. Rebooting AP.." message should appear and the WAP reboots with the new configuration settings.
14. Close the browser.

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### Test the Configuration

Perform the following steps to test your configured WAP:

1. Set the computer NIC to IP address scheme 10.101.X.X.
2. Open an internet browser and navigate to the WAP IP address as identified on the label.
3. Connect another wireless device via WiFi to verify the WPA passphrase.
  - Wireless Network: ETCLighting
  - Password: etc4116!
  - IP Address: A unique static address in the subnet scheme 10.101.X.X
  - Network Prefix: 16 **OR** Subnet Mask: 255.255.0.0
    - Network Prefix of 16 and Subnet Mask 255.255.0.0 indicate the same thing, but only one or the other is requested depending on the device you are using.
4. Verify that the new wireless device can see other devices on the wired network. Use PING or HTTP through the WAP.