

# ETC® Setup Guide

## Dell 3524P Config Recommended Practice



For optimal performance this switch has been configured for an ETC network



**Note:** *Switches that have been preconfigured by ETC will display a small IP address label on the front, lower left side of the switch.*

If this switch has been reset to Dell factory defaults, you will need to follow the instructions in this setup guide for proper configuration to work on an ETC network. If you have any questions, please feel free to contact ETC Technical Services directly at one of the offices identified below.

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## Configuring a Dell 3524P Switch for an ETC Network

Configuring the switch is done by two methods, serial (initial configuration) and via web. For the switch to be compatible with a ETCNet3 system, Spanning Tree needs to be enabled, and the IP address changed. You will start by giving the switch an IP address via the serial console interface. If you forget the IP address or a custom password, you will need the serial cable provided with the switch to reset back to factory defaults.

### Initial Configuration Via the Serial Console Port

Prior to powering the switch, be sure you have your personal computer's serial port setup for 9600-8-N-1 (no flow control) and have the computer connected to the switch via the Dell provided console serial cable (null modem). Launch your computer's terminal program so you can view the console port as the switch boots.

Once the switch is powered on it will go through a POST routine. If the switch does not have a configuration, the switch will enter its startup wizard. You will have 60 seconds to press **[Y]** for Yes to enter the wizard. If Yes is not selected within the 60 seconds, the switch will need to be rebooted to allow you to enter the wizard again.



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# ETC Quick Guide

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### Configuration Wizard

Below are the steps in the configuration wizard. ETC default responses have been given, but depending on your networking needs, your answers may vary. If you have questions, please contact ETC Technical Services.



**Note:** *When typing numeric characters in response to questions in the configuration wizard, do not use your keyboard's numeric keypad.*

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- Step 1: "Would you like to setup the SNMP management interface now?" Press **[N]** for No.
- Step 2: Press **[Enter]** to retain the default username.
- Step 3: Enter **dell4116** for the password and press **[Enter]**.
- Step 4: Re-enter **dell4116** for the password and press **[Enter]** to confirm the password.
- Step 5: Enter in the IP address you want for the switch. ETC default is 10.101.x.1 (x=2-254)
- Step 6: Enter in the subnet mask for the switch. ETC default is 255.255.0.0.
- Step 7: Enter in the gateway address. ETC default is 0.0.0.0.
- Step 8: Select **[Y]** for Yes to save the configuration.

### Configuration Via the Web Browser

To complete the rest of the configuration, you will need to log into the switch using Internet Explorer.



**Note:** *ETC recommends that you use Internet Explorer for the configuration of your switch.*

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You will need to set your computer's IP address to the IP range of the switch to be able to connect. Prior to changing any network settings on your personal computer, take note if **[Obtain an IP address automatically]** is checked, or if **[Use the following IP address]** is checked. Please record the current settings in the following spaces below:

IP Address	____.____.____.____
Subnet Mask	____.____.____.____
Gateway IP	____.____.____.____

To use your personal computer to configure the switch that does not use a network router (i.e. hub and/or switch only), ETC recommends the following default settings:

IP Address	10.101.1.200
Subnet Mask	255.255.0.0
Gateway IP	10.101.1.1

### Logging Into the Switch

- Step 9: With Internet Explorer running, browse to the IP address of the switch you assigned in Step 5.
- Step 10: Enter in the default username and password (if needed) to gain access to the switch.

Username	admin
Password	dell4116
- Step 11: Click **{OK}**.

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### Enable Spanning Tree

- Step 12: Click on **{Switch}**.
- Step 13: Click on **{Spanning Tree}**.
- Step 14: Click on **{Global Settings}**.
- Step 15: Verify Spanning Tree State is set to **Enabled**.
- Step 16: Change STP Operation Mode to **Rapid STP**.
- Step 17: Click **{Apply Changes}**.
- Step 18: Click **{STP Port Settings}** within the Spanning Tree menu.
- Step 19: Click **{Show All}**.
- Step 20: **Enable** Fast Link for every port and click **{Apply Changes}** before navigating to the next page of ports.

### Disable IGMP (if enabled)

- Step 21: Click on **{Switch}**.
- Step 22: Click on **{Multicast Support}**.
- Step 23: Click on **{Global Parameters}**.
- Step 24: **Disable** Bridge Multicast Filtering and IGMP Snooping Status.
- Step 25: Click **{Apply Changes}**.
- Step 26: Click **{IGMP Snooping}**.
- Step 27: **Disable** IGMP Snooping Status.
- Step 28: Click **{Apply Changes}**.

### Save Configuration

- Step 29: Click on **{System}**.
- Step 30: Click on **{File Management}**.
- Step 31: Click on **{Copy Files}**.
- Step 32: Copy the running configuration file to the startup configuration.
- Step 33: Click **{Apply Changes}**.



#### **Note:**

*It is recommended that the switch be labeled with its IP address in case future configuration is needed.*

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