Running Express Setup

When you first set up the switch, you should use Express Setup to enter the initial IP information. This process enables the switch to connect to local routers and the Internet. You can then access the switch through the IP address for additional configuration.

Required Equipment

You need this equipment to set up the switch:

- A Web browser (IE or Firefox) with JavaScript enabled.
- A straight-through or crossover Category 5 Ethernet cable to connect your computer to the switch port.

**Note**: Do not use the RS232 serial console port for express setup.

- A small paper clip to reach to button.

**Note**: Before running Express Setup, disable any pop-up blockers or proxy settings on your browser and any wireless client running on your computer.

Express Setup Procedure

To run Express Setup:

1. Make sure that nothing is connected to the switch.
2. Ensure the Catalyst IE3X00 is in default factory mode.
   
   **Skip to next step if freshly out of the box.**
   
   a. If not freshly out of the package, use a paper clip to reset the switch for 10 seconds until the SYS LED light turns red, then release the paper clip.

   Switch will automatically reboot once the SYS led goes red.

3. Ensure no data port is connected to the switch.

   **Note**: During Express Setup, the switch acts as a DHCP server.

   - You can add a serial console cable to monitor the booting sequence. *Do not hit [return key] on console screen.*
   - Ensure the computer connected to switch is configured with DHCP.


5. Connect power to the switch.

   See the wiring instructions in *Grounding the Switch, page 17* and *Wiring the DC Power Source, page 20.*
6. Power on or reset the switch:
   Use LEDs to monitor boot progress:
   - Sys blinking: bootloader
   - Sys Blank: POST
   - Sys solid: exit post, IOS initializing
   - Sys and alarm LEDs green: IOS init done
   - ~90 - 100 seconds after power on
   - EXP blinking: ready for express setup process

7. Insert paper clip into express setup button for 1-2 seconds.
   When released, port Gig1/1 LED starts flashing green.

8. Connect computer to port Gig1/3.
   LED continues to blink.


10. The **username** is “admin” and the password is “(system serial number)”.

11. The Account Settings window appears. (This is the first step of 4 that must be completed.)
In the Account Settings:

- **Login Name**: admin (you can change that here, if you like)
- **Login User Password**: by default this is the serial number of the switch. You can change it now if you like.
- **Confirm Login User Password**:
- **Command Line Password** (optional): This defaults to ‘Sync to Login Password’ but if you’d like to change that, you may do so now, using the drop-down menu.
- **Device Name**: Create an identifier for the device in the network.
- **NTP Server** (optional): You may identify an NTP server for the device, here.
- **Date & Time Mode** (optional): Identify the mode here, via the drop-down.

Troubleshooting: If the account settings window does not appear, make sure that any pop-up blockers or proxy settings on your browser are disabled and that any wireless client is disabled on your computer.

- Click **Basic Settings** when finished.

12. The Basic Settings Window Appears (step 2 of 4)

Enter all entries in English letters and Arabic numbers.
--- **IP Address:** Choose **Static** or **DHCP** here.
--- **VLAN ID:** Enter a valid VLAN ID.
--- **IP Address:** Enter a valid IP Address.
--- **Subnet Mask:** Enter a valid subnet mask.
--- **Default Gateway (optional):** Enter the IP address of the router.
--- *(optional)* On this screen you can also enable/Disable Telnet and SSH and configure CIP settings

The CIP VLAN can be the same as the management VLAN, or you can isolate CIP traffic on another VLAN that is already configured on the switch. The default CIP VLAN is VLAN 1. Only one VLAN on a switch can have CIP enabled. If the CIP VLAN is different from the management VLAN, you must specify an IP address for the CIP VLAN. Make sure that the IP address that you assign to the switch is not being used by another device in your network.

For more information about the CIP VLAN settings, click Help on the tool-bar.

--- **Click Switch Wide Settings** when finished.

13. The Switch Wide Settings page opens
- **Data VLAN**: You can enable/disable data VLAN with the button here.
- **Voice VLAN**: You can enable/disable Voice VLAN here.
- **STP Mode (optional)**: Select a STP Mode from the drop-down
- **Bridge Priority**: You can enable/disable Bridge Priority here.
- **Domain Name (optional)**: Enter a valid Domain Name.
- Click **Day 0 Config Summary** when finished.

14. The Summary page opens

The configuration settings you have entered are displayed here. Confirm everything is accurate and either click the back button to make changes or...
Click Submit to save your changes and to complete the initial setup.

15. After you click Submit, these events occur:
   a. The switch is configured and exits Express Setup mode.
   b. The browser displays a warning message and tries to connect with the earlier switch IP address.
   c. Typically, connectivity between the computer and the switch is lost because the configured switch IP address is in a different subnet from the IP address on the computer.

16. Turn off DC power at the source, disconnect all cables to the switch, and install the switch in your network. See Management Options, page 9 for information about configuring and managing the switch.

17. If you changed the static IP address on your computer in Step 1, change it to the previously configured static IP address.

18. You can now manage the switch by using the Web UI, or both. See Management Options, page 9 for information about configuring and managing the switch.

You can display Web UI by following these steps:
   a. Start a web browser on your computer.
   b. Enter the switch IP address, username, and password in the web browser, and press Enter. The Web UI page appears.

Troubleshooting:

If the Web UI page does not appear:

- Confirm that the port LED for the switch port connected to your network is green.
- Confirm that the computer that you are using to access the switch has network connectivity by connecting it to a well known web server in your network. If there is no network connection, troubleshoot the network settings on the computer.
- Make sure that the switch IP address in the browser is correct.
- Ping the Switch IP Address and confirm IP reachability.
- If the switch IP address in the browser is correct, the switch port LED is green, and the computer has network connectivity, continue troubleshooting by reconnecting the computer to the switch. Configure a static IP address on the computer that is in the same subnet as the switch IP address.
- When the LED on the switch port connected to the computer is green, reenter the switch IP address in a web browser to display the Web UI. When Web UI appears, you can continue with the switch configuration.