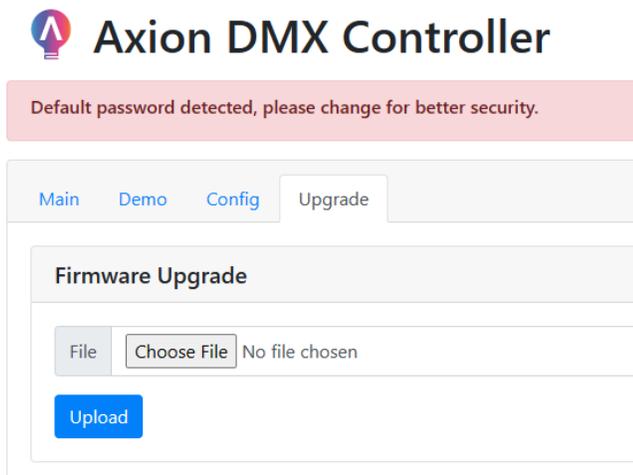




Adding Wi-Fi Support to the Axion PoE DMX Controller

1. Download the latest PoE Controller firmware from the [Axion Lighting Resources page](#).
2. Extract the .bin file from the download and save it to your computer in a location you will remember.
3. Plug your “A-100-DMX-CTRL-P” Axion DMX Controller into the network using a PoE injector or PoE network switch.
4. Locate the IP address of your DMX controller. This can be done by looking at your router’s DHCP lease table, using a free utility like Angry IP Scanner, or other mechanism.
5. Access the local UI using the IP address in a browser. EG: <http://192.168.1.196>
 - a. The username is blank (nothing) and default password is “password”. It is recommended you change the password at some point for better security.
6. Navigate to the “Upgrade” tab:

192.168.1.196



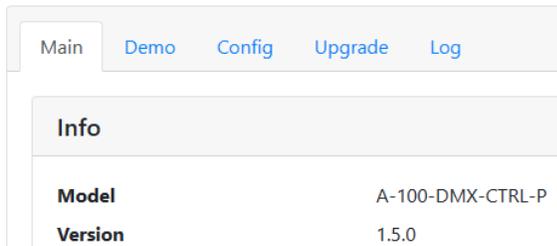
7. Click the “Choose File” button and select the .bin file you saved to your computer in step 2.
8. Click the blue “Upload” button. Once the upload is finished you will receive this message:

Upgrade Completed. Unit rebooting. Reload page in 2 minutes.

9. Once completed, wait the full 2 minutes and then refresh the page. If the Controller has been given a different IP address, you will need to update the URL in your browser.
 - a. If the upgrade was successful, your controller should now be on version 1.5.0 or higher.

Configuring Wireless on the Axion PoE DMX Controller

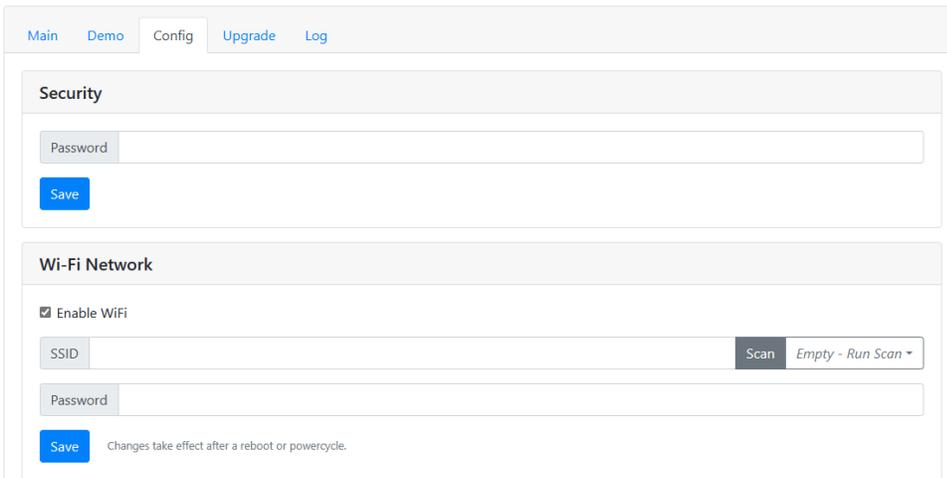
1. Verify you have connected the PoE DMX Controller using a PoE injector or PoE enabled network switch and are able to find its IP address.
2. Using a browser, access the Local UI of the PoE DMX controller. EG: <http://192.168.1.125>
3. Verify you are on firmware 1.5.0 or higher:



The screenshot shows the 'Info' tab of the PoE DMX Controller's local user interface. At the top, there are navigation tabs: 'Main', 'Demo', 'Config', 'Upgrade', and 'Log'. Below the tabs is a section titled 'Info' containing the following details:

Model	A-100-DMX-CTRL-P
Version	1.5.0

4. Click on the “Config” tab and select the “Enable WiFi” checkbox:



The screenshot shows the 'Config' tab of the PoE DMX Controller's local user interface. The 'Security' section has a 'Password' field and a 'Save' button. Below it is the 'Wi-Fi Network' section, which includes a checked 'Enable WiFi' checkbox, an 'SSID' field, a 'Scan' button, and a dropdown menu showing 'Empty - Run Scan'. There is also a 'Password' field and a 'Save' button. A note below the 'Save' button states: 'Changes take effect after a reboot or powercycle.'

5. Click on the grey “Scan” button to find Wi-Fi networks.
6. Once the “Found APs” message appears in the small box, click the drop down and select your network.
7. Enter the wireless network password in the “Password” field and click the blue “Save” button.
8. You will then receive a green success message:

Operation successful

Changes take effect after a reboot or powercycle.

9. At this point when the unit is not connected via wired network, it will automatically attempt to connect wirelessly when powered on.
10. We recommend using a [standard PoE injector such as this one](#) to power the DMX Controller for Wi-Fi. Simply connect a network cable to the PoE Output connection on the injector to the PoE input on the Controller.
 - a. **NOTE:** When using via wireless, the “Status” LED will be off. Only the power LED will be on/red.

