**Quick configuration guide for Delta-T Pro Controllers**

Version 2.4, 12/28/2016

**System requirement:**

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| Delta-T Pro controller with beaglebone black platform |
| mini-USB cable (provided with the controller) |
| PC or Mac with a USB port (current version firmware 5.6 supports up to Windows 10) |

**Controller setup**

1. Download and install drivers from [www.deltatcontrols.com](http://www.deltatcontrols.com) appropriate for your operating system.

**Disable driver signature verification before install (for Windows 8 and 10)**

* 1. Hold down shift key while click restart option
	2. Select trouble shoot option
	3. Select advanced option
	4. Select startup settings
	5. Click the “Restart” button to restart your PC into the Startup Settings screen
	6. Type F7 at the Startup Settings screen to activate the “Disable driver signature enforcement” option.
	7. Your PC will boot with driver signature enforcement disabled and you’ll be able to install unsigned drivers.
1. Connect the controller to the computer using the provided mini-USB cable.
2. Wait for about one minute for the controller to be recognized by the computer. A new removable device will show up.
3. Open a web browser and access <http://192.168.7.2>. The heliodyne controller user interface (UI) will show up.
4. Upgrade to the most recent firmware version (optional but highly recommended)
5. Download the most recent firmware version from [www.deltatcontrols.com](http://www.deltatcontrols.com) to the connected computer if the latest version is newer than the pre-installed version (shown in the UI system page)
6. In the UI, navigate to setting -> upgrade firmware -> Choose file, and load the downloaded firmware file (\*.deb)
7. Click ‘upgrade firmware’. The controller automatically re-starts after the firmware has been upgraded. The upgrading and controller restart process takes up to three minutes. If controller did not restart automatically, open the controller enclosure and press the reset button for a manual restart.
8. Verify and change (in needed) operational settings for the particular application.

**Connecting to the monitoring site**

1. Connect the controller using a Ethernet cable to the local network (skip this step if user intend to use WiFi connection and the WiFi adapter is pre-installed)
2. Navigate to setting -> network
3. Enable Ethernet or WiFi. For setting up WiFi, select the router from the drop down list and enter router password. Select appropriate encryption type (support WPA personal, WPA-2 personal and open).
4. Click save networking setting. Controller reboots after the new network setting is saved.
5. After system reboots, verify the connectivity by clicking the refresh button. When connected to the monitoring site successfully, the status will indicate ‘Yes’ for connections to the local network, to the internet, to the monitoring site, and show the assigned IP address. You can also choose to use static IP address through ‘advanced options’.
6. In the UI, navigate to SETTINGS->System. Click on the “Setup Monitoring Communication” link and fill out the form.
7. Wait for emails from Heliodyne confirming the controller has been added to the monitoring site.