

Quick configuration guide for Delta-T Pro Controllers

Version-11, 01/05/2025

System requirements:

Delta-T Pro controller with Beagle Bone black platform
mini-USB cable (provided with the controller)
PC with a USB port (current version firmware 5.22 supports up to Windows 10)

Controller setup

1. Download and install drivers from www.deltatcontrols.com appropriate for your operating system.
2. Connect the controller to the computer using the provided mini-USB cable.
3. Wait for about one minute for the controller to be recognized by the computer. A new removable device will show up.
4. Open a web browser and access <http://192.168.7.2>. The heliodyne controller user interface (UI) will show up.
5. Upgrade to the most recent firmware version (optional but highly recommended)
 - a) Download the most recent firmware version from www.deltatcontrols.com to the connected computer if the latest version is newer than the pre-installed version (shown in the UI system page)
 - b) In the UI, navigate to setting -> upgrade firmware -> Choose file, and load the downloaded firmware file (*.deb)
 - c) 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.
6. 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.

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