EPIQ Full Automation How to Guide

Pairing of the Cable & Fan Nodes

There are a few simple steps that need to be completed to get hourly cable data reporting and to be able to use fan automation in the managegrain.com platform. **Note:** From an installation and configuration standpoint it is typically simplest to go into managegrain.com and have the site(s) and bin(s) created on the platform prior to completing the physical installation at the site. This allows for a quicker configuration and to get the system up and running once the installation has been completed.

Important Things to Know

- When installing a Weather Station, it ***must be*** connected to a Fan Node that is connected to a Primary Cable Node. Primary Cable Nodes share weather data with all Secondary Cable Nodes that are paired to them. This is especially important to ensure all bins with fan automation hardware on them have the necessary weather data to operation properly in automated modes. ***Warning:*** Connecting a Weather Station to a Fan Node that is connected to a Secondary Cable Node will not operate properly and it will impact system operation.
- On a site with multiple Primary Cable Nodes every Fan Node connected to Primary Cable Node ***must*** have a weather station this ensures weather data is available for all bins using fan automation
- During the pairing/provisioning process of a Cable Node the Fan Node wired to it along with the Plenum Sensor and Weather Station if connected will all end up being recognized upon completion of the process.

November 6, 2026

Commented [CD1]: Product Specs table should go here.
input voltage range,
power requirments
Incoming fuse rating
relay rating
Relay fuse rating
Product weight, height,
Address of Manufacturing
Intertek Specs
Conforms to ANSI / UL 61010-1
Certified to CAN / CSA Std. CSA C22.2#61010-1

Step 1

Under the created Organization in the **Menu** navigate to the **System Settings**.

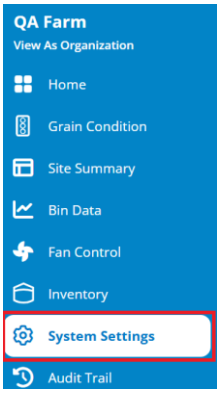


Figure 1 Menu - System Settings

Step 2

Click on the **Create Bin** button to add all bin(s) in which EPIQ hardware will be installed and configured.



Figure 2 Create Bin

Step 3

Add the pertinent information to the bin being created. There are three mandatory fields as indicated by the *(Bin Name, Type & Bin Site) **Note:** The **Bin Site** field is used to designate the site that the bin being create will be placed on. There could be more than one site in an organization, so it is important to know which bins are on which site to ensure a correct layout. When completed press Create Bin(s) to save the bin.

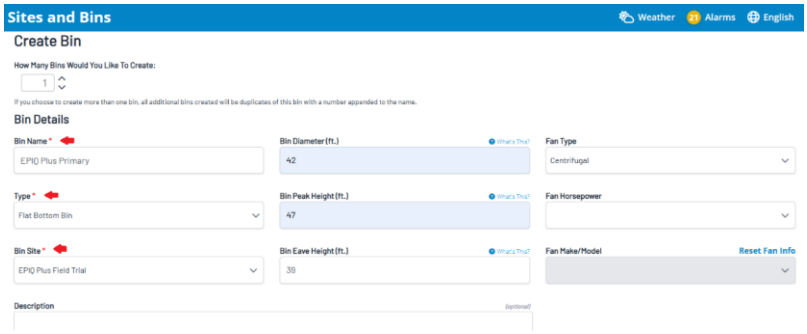


Figure 3 Create Bin - Input Information

Step 4

The newly created bin(s) will now be displayed in a bin list as shown below.

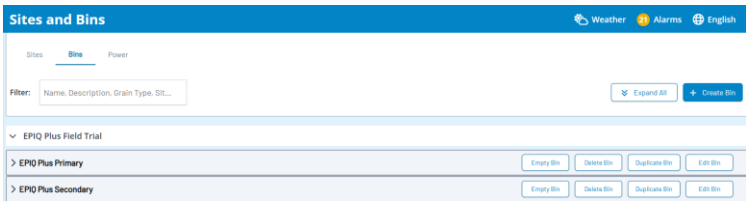


Figure 4 Example of Created Bins Shown

Step 5

Select the desired bin and on the Bin Details tab within the bin press **Edit Bin**.

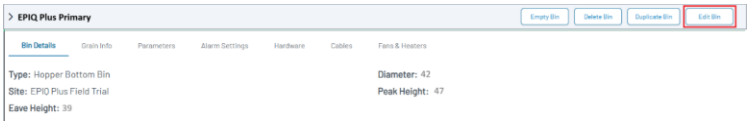


Figure 5 Bin Details - Edit Bin

Step 6

Once the **Editing Bin** screen has opened scroll to the bottom of the screen to add the MAC Address for the Cable Node.

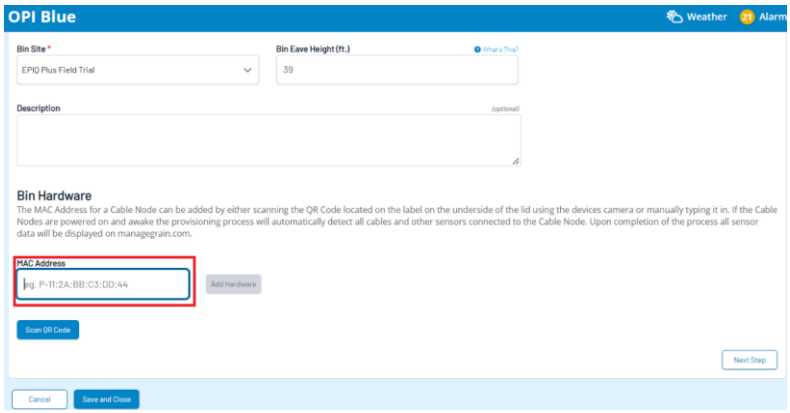


Figure 6 Add the Cable Node MAC Address

Step 7

On the underside of the Cable Node lid locate the sticker with the MAC Address and QR Code. The QR Code can be scanned to populate the MAC Address in the **MAC** field, or the MAC Address can be typed into the field.

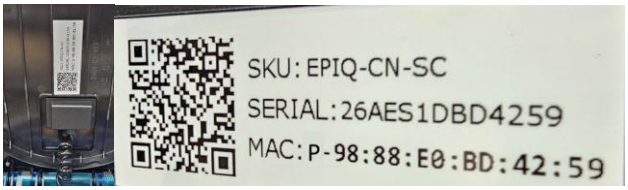


Figure 7 Sample Cable Node MAC Address Label

Step 8

Add the MAC Address into the **MAC** field and press the **Save and Close** button.

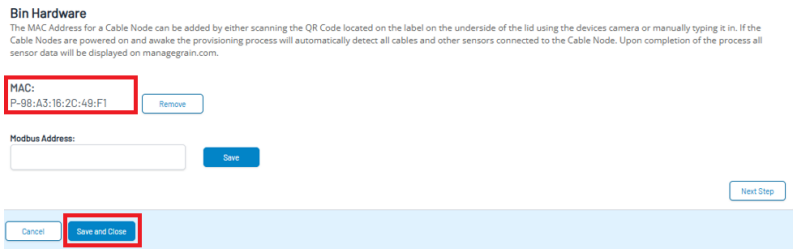


Figure 8 Cable Node MAC Address Added

Step 9

Press the **Cancel** button to navigate back to the **Bin Details** tab.

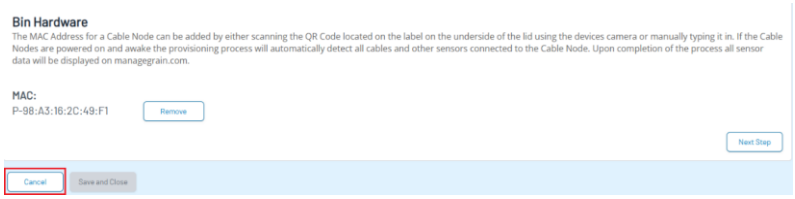


Figure 9 Use the Cancel Button to Go Back to the Bin Details Tab

Step 10

The Primary Cable Node that is the first one being paired will appear in the **Nodes to be Paired** section. Press the **Connect Hardware** button to start the pairing process.

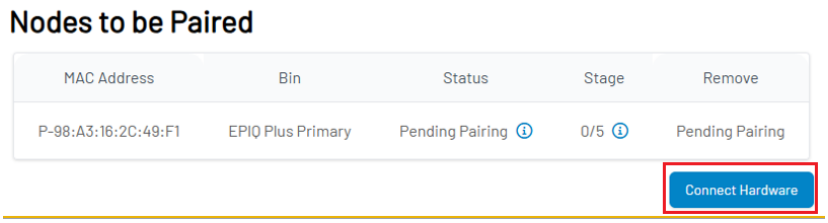


Figure 10 Primary Cable Node Pending Pairing

Step 11

The 5-step pairing process will take place. The time it takes to pair will depend on the number of cables and sensors connected to the Cable Node and Fan Node.

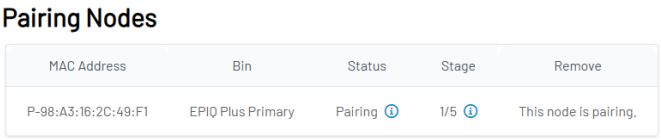


Figure 11 Cable Node Pairing in Progress

Step 12

Any paired Cable Nodes will appear in the **Paired Nodes** section. When a Fan Node is Connected to a Cable Node

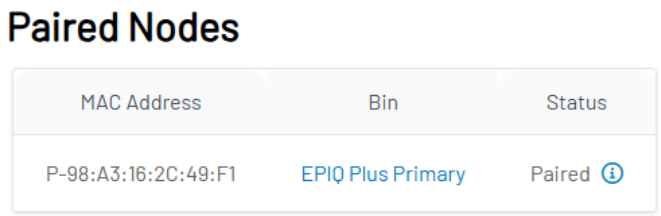


Figure 12 Paired Cable Nodes Appear in this Section

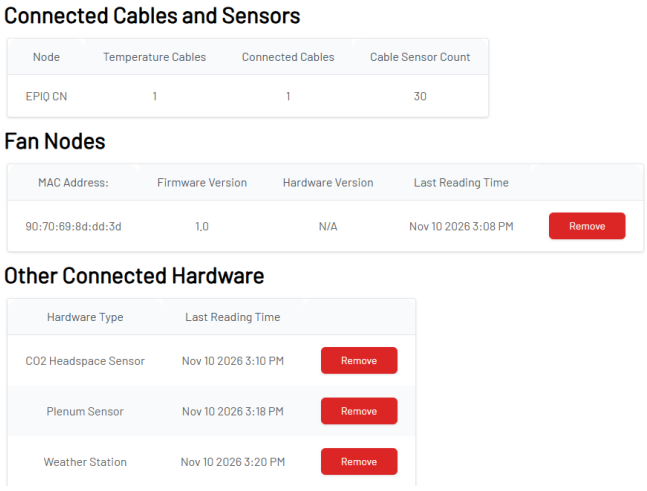


Figure 13 Paired - Connected Cables, Sensors, and Fan Node

Step 13

Follow Steps 1 – 12 for any subsequent Cable Node (Secondary) & Fan Nodes need to be setup and paired. The only difference with a Secondary Cable Node compared to a Primary Cable Node is that you are now pairing it to the Primary Cable Node that is will be communicating with. The pairing process can be found on the **Hardware** tab of the Primary Cable Node.



Figure 14 Hardware Tab Primary Cable Node Bin - Pairing Secondary Cable Nodes

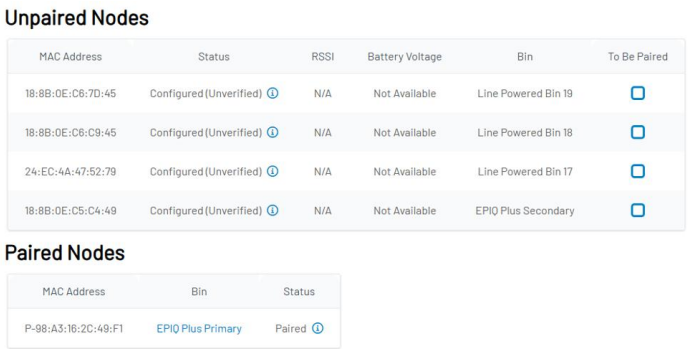


Figure 15 Unpaired EPIQ Secondary Cable Node - To Be Paired to Primary Cable Node

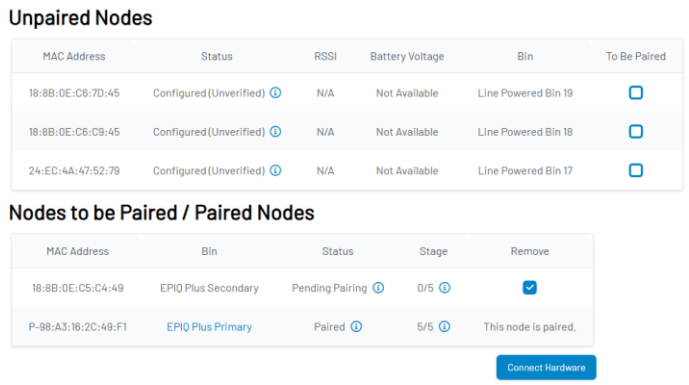


Figure 16 Connect Hardware to Complete Secondary Cable Node Pairing to Primary Cable Node

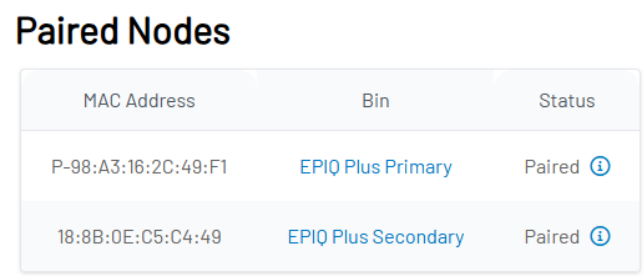


Figure 17 Secondary Cable Node Paired to Primary Node

Configuring Fan Automation

Once a Cable Node/Fan Node combination has finished the pairing process the last step necessary before using fan automation is to configure the relays on the Fan Node with the correct fan or heater output connected to it.

Step 1

Go to the Fans & Heaters tab in the desired bin.

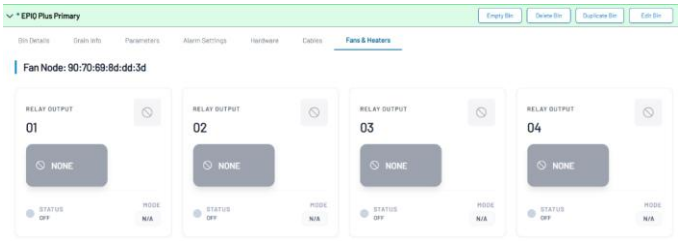


Figure 18 Selected Bin - Fan & Heater Tab

Step 2

Press the **Edit Bin** button while on the **Fan & Heaters** tab and for each relay choose the correct Fan or Heater output based on what is wired to it then **Save Associations**. **Note:** If there is nothing wired to a particular relay then leave as **None** or if you make the incorrect choice, you can select **None** then **Save Associations** to update it.

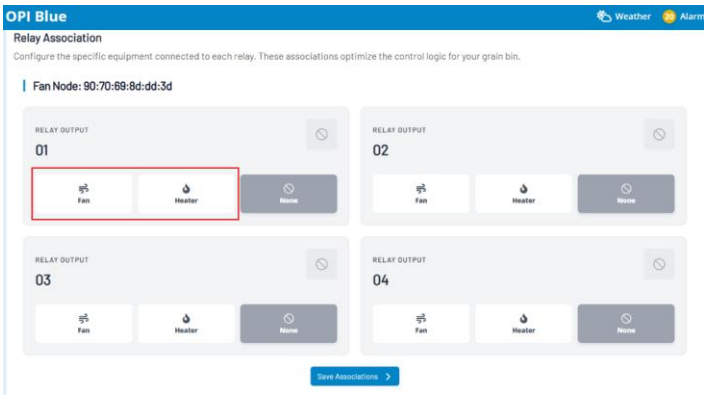


Figure 19 Fan & Heater Selection by Relay

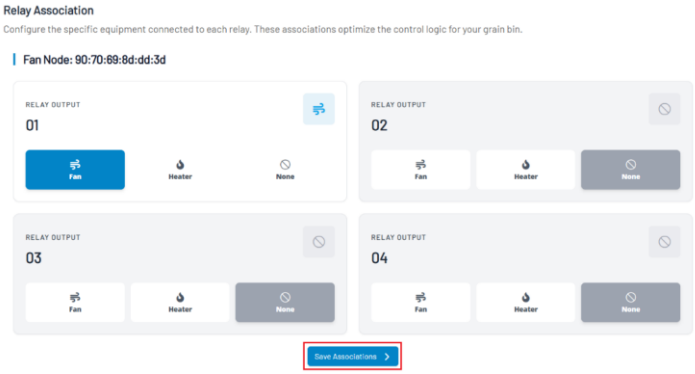


Figure 20 Save Fan & Heater Association by Relay