



COMMISSIONING GUIDE

FIRETROL OR TORNATECH

Diesel or Electric - Main & Jockey Combination
Mark III/Vizitouch 2.0

Overview

For this configuration, we will be focusing on the communication and network parameters for the **FireConnect Gateway Controller** when paired with the interfaces for the **Firetrol Mark III** or **Tornatech Vizitouch 2.0**, paired in combination as both the **Main Fire Pump Controller** and **Jockey Pump Controller**, in both the **Diesel** and **Electric** main controller formats.

Some of these communication settings will be configured from the factory if ordered with the correct option, but it is important and should be common practice to verify each and every parameter is entered correctly.

The Key Action Items and Parameters for this configuration are as follows for the **Main Fire Pump Controller**:

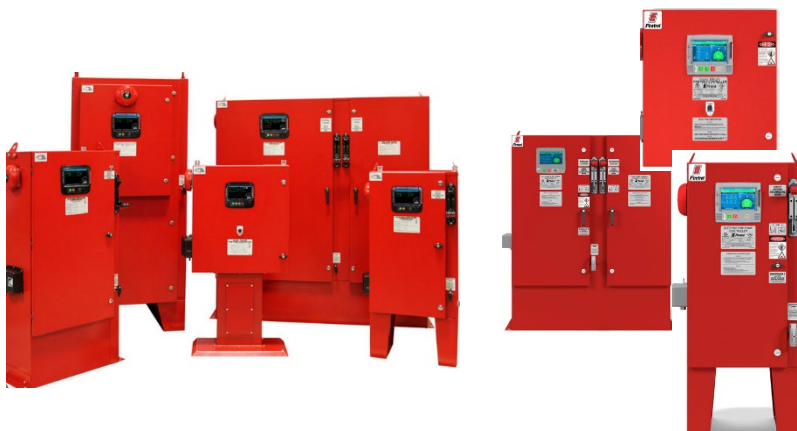
1. Main Controller IP Settings:
 - a. **IP Address-** 192.168.003.198
 - b. **Subnet Mask-** 255.255.255.000
 - c. **Default Gateway** 192.168.003.198
2. Check ☒ the **Manual Addressing** field in the network configuration settings while entering the IP Addresses
 - a. If equipped, remove the check from the box ☐ labeled **Wireless Networking**
3. Verify Ethernet Connection from the **Main** to the **Jockey** Controller network switch.

The Key Action Items and Parameters for this configuration are as follows for the **Jockey Pump Controller**:

1. Jockey Controller IP Settings:
 - a. **IP Address-** 192.168.003.199
 - b. **Subnet Mask-** 255.255.255.000
 - c. **Default Gateway** 192.168.003.199
2. Check ☒ the **Manual Addressing** field in the network configuration settings while entering the IP Addresses
 - a. If equipped, remove the check from the box ☐ labeled **Wireless Networking**
3. Verify Ethernet Connection from the **Main** to the **Jockey** Controller network switch.
4. Verify Ethernet Connection from the **Jockey** to the **FireConnect Gateway Controller**.

NOTE

Once these actions have been completed, the entire system will need to be power cycled to force all settings to be applied. This included the **Main Fire Pump Controller**, **Jockey Pump Controller**, and the **FireConnect Gateway Controller**, while paying close attention to complete power cycle process for **Diesel Controllers**.



Setting up the Main Controller; Mark III/Vizitouch 2.0

To enter or change these controller settings, this will require a Level-2 access code from the respective controller manufacturer, Firetrol or Tornatech. Please stop now and contact the manufacturer to obtain the correct password. For Firetrol controllers, email fieldservices@firetrol.com to obtain a password, or contact Tornatech directly at <https://www.tornatech.com/contact/>.

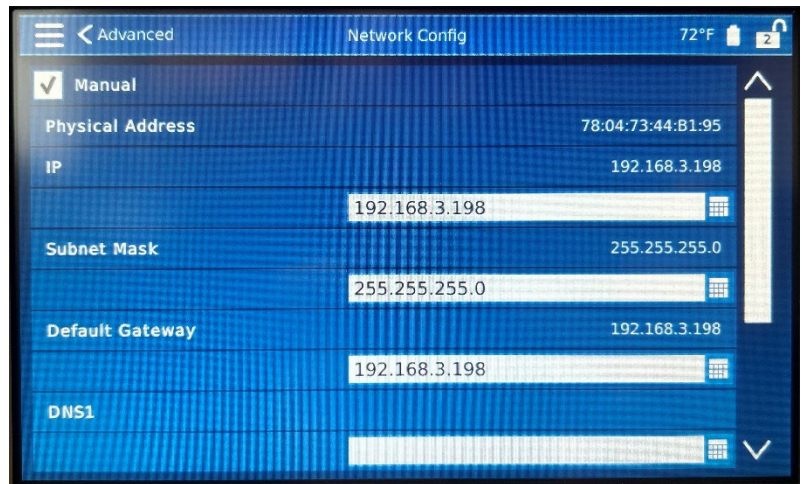
Once you have the password, tap on the  icon from the home screen to access the password entry screen. Once you have entered the password, the icon will appear green and unlocked  allowing you to navigate to and modify the network parameters.

Menu Path- Settings > Advanced > Network Config

Be sure to check ☒ the **Manual Addressing** field in the network configuration settings while entering the IP Addresses. If equipped, remove the check from the box ☐ labeled **Wireless Networking**.

After indicating your selection for the Manual Address field, enter the following three addresses in their respective location on the screen:

IP Address-	192.168.003.198
Subnet Mask-	255.255.255.000
Default Gateway	192.168.003.198

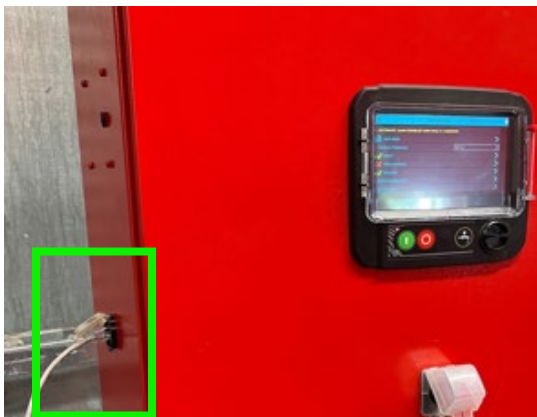


Next, we will need to verify connection from the Jockey to the Main Fire Pump Controller. This is done by ethernet cable connection and can be connected at two locations on the Main Controller.

The connection to the FireConnect Jockey Controller is covered in the next section. Power cycling the controllers after completing all action items is required!

Option-1 – Connection to the outside of the main controller via an ethernet cable on equipped models.

Option-2 – Connect directly to the back of the HMI panel interface for an internal conduit connection.



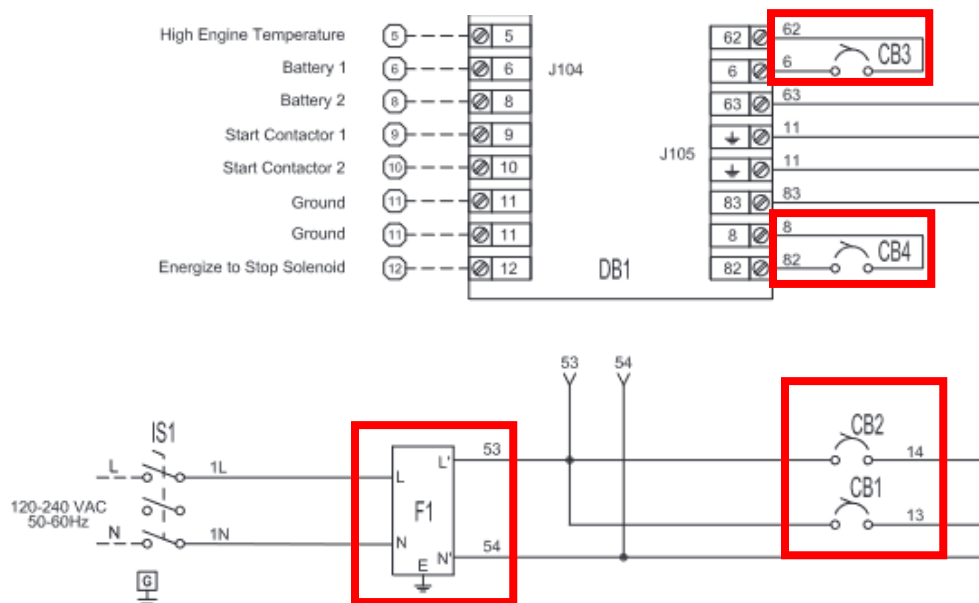
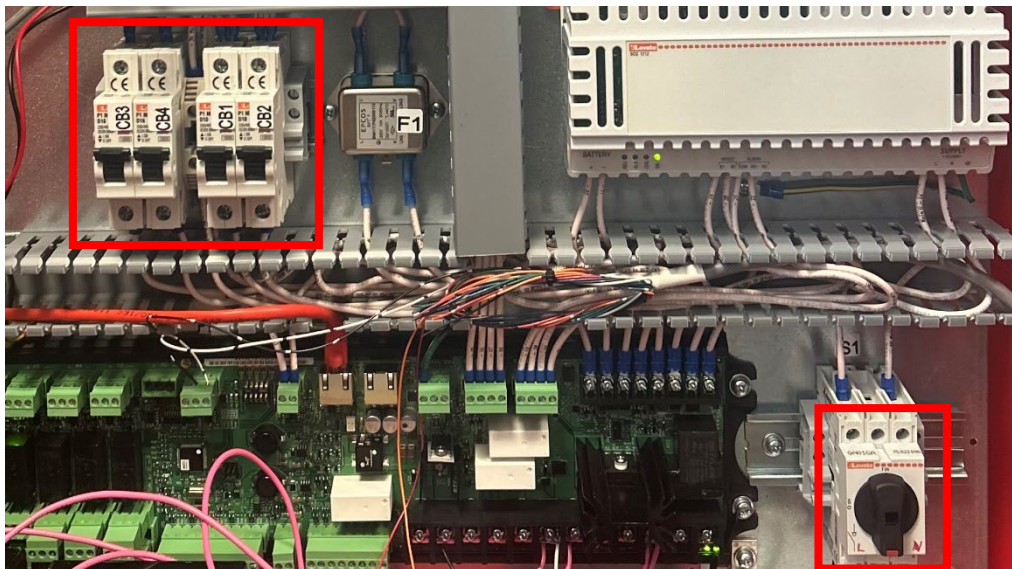
Diesel Specific Controllers

It is important to note, Diesel Controllers will require the circuit to be broken from the 12-24VDC engine batteries to the HMI panel in order to perform a proper ON/OFF/ON Power Cycle. This is because the panel interface operates on the 12-24VDC source voltage supplied by the batteries.

This action can be performed by cycling off all the Circuit Breakers, typically labeled CB1-CB4, in addition to the Isolation Switch, typically labeled IS1m. This completely disconnects the circuit between the batteries, the chargers, and all terminal connections inside the controller.

All Breakers and Isolation Switches should be located and verified according to the respective manufacturer's installation and operation manuals, and in combination with the controller schematic.

Sample images from the controller and schematics have been provided but are subject to change based on model and options.



Setting up the Jockey Controller; Mark III/Vizitouch 2.0

To enter or change these controller settings, this will require a Level-2 access code from the respective controller manufacturer, Firetrol or Tornatech. Please stop now and contact the manufacturer to obtain the correct password. For Firetrol controllers, email fieldservices@firetrol.com to obtain a password, or contact Tornatech directly at <https://www.tornatech.com/contact/>.

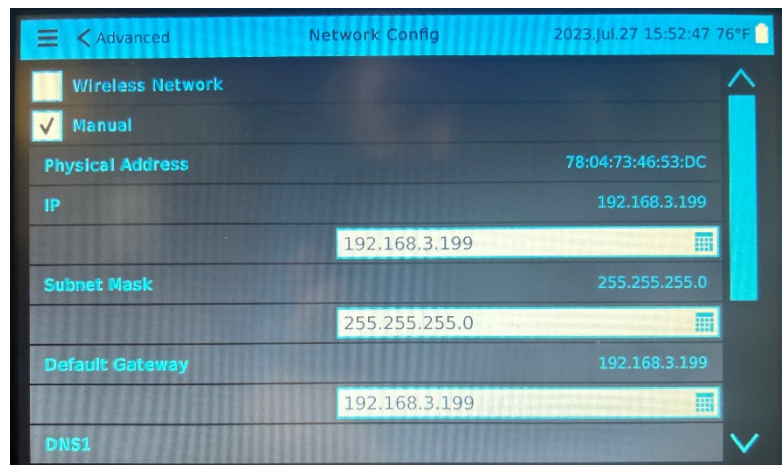
Once you have the password, tap on the  icon from the home screen to access the password entry screen. Once you have entered the password, the icon will appear green and unlocked  allowing you to navigate to and modify the network parameters.

Menu Path- Settings > Advanced > Network Config

Be sure to check ☒ the **Manual Addressing** field in the network configuration settings while entering the IP Addresses. If equipped, remove the check from the box ☐ labeled **Wireless Networking**.

After indicating your selection for the Manual Address field, enter the following three addresses in their respective location on the screen:

IP Address-	192.168.003.199
Subnet Mask-	255.255.255.000
Default Gateway	192.168.003.199



Next, we will need to verify connection from the Jockey to the Main Fire Pump Controller. This is done by ethernet cable connection and can be connected at two locations on the Jockey Controller, similar to the Main Controller.

The major difference between these branded **Main** and **Jockey Controllers** is the **Network Switch/Hub**, located in the **Jockey Controller**. This is not a default option or component, and these controllers will require having been ordered with the specific option for Network Communications.

These controllers all have the programming by default, hardware can be purchased for retrofitting if required.

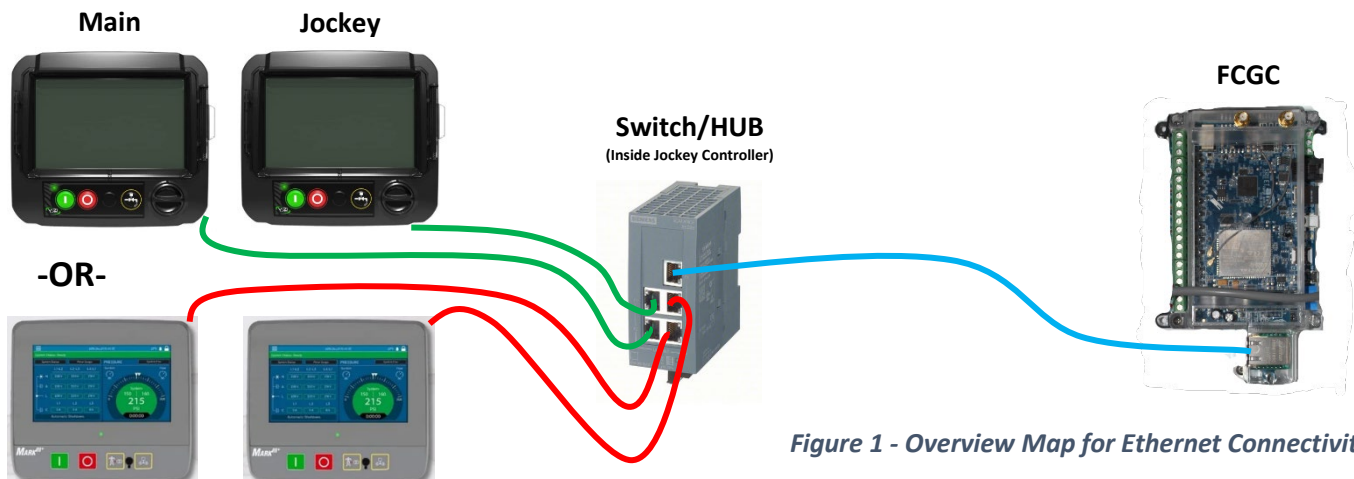
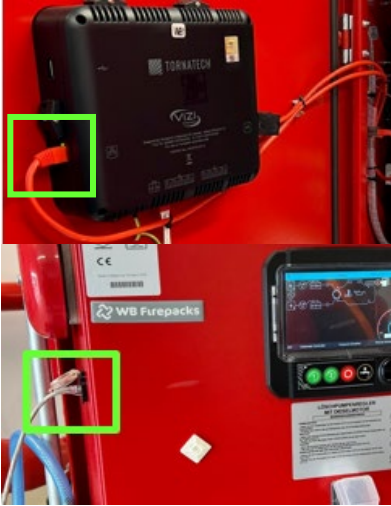


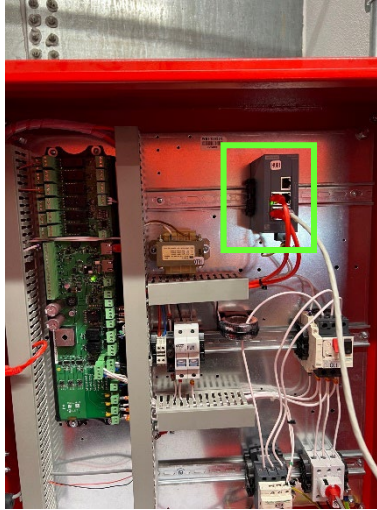
Figure 1 - Overview Map for Ethernet Connectivity

The connectivity map pictured above is how the overall ethernet structure should appear when viewed as a whole. The images below are from actual controllers with FireConnect integration. Please note, controller models may vary in design. However, the key components will remain the same.

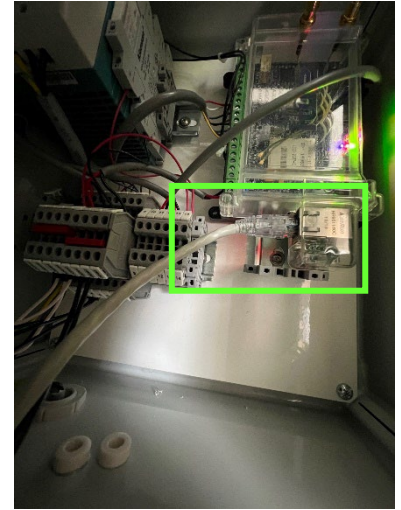
Main Fire Pump Controller



Jockey Pump Controller



FireConnect Gateway Controller



These units can be configured in either manor, using the exterior ethernet port, or removing the connecting wire, and connecting directly into the back of the interface for a sealed conduit connection. The ports used on the **switch**, or **HUB1** as seen in the images above, are not of importance. Any one of them can be used for any of the controllers. What is important, is they are all three, the Main, the Jockey, and the FireConnect, all connected to the **HUB/Switch**.

Once the connection layout has been confirmed correct and the IP addresses have been entered correctly on both controllers (don't forget to check ☒ the **Manual Addressing** field while entering the addresses and if equipped, remove the check from the box ☐ labeled **Wireless Networking**.), you can now power cycle all three systems. The **Main Fire Pump Controller**, the **Jockey Controller**, and the **FireConnect Gateway Controller** are the three systems to **Power Cycle**.

To properly **Power Cycle** a system, this involves disconnecting the power to the interface for approximately 60-seconds. When the unit is powered back on, all system and networking changes we have just applied will be forced into action. (See special Diesel Main Controller section above for **Power Cycling** methods)