Elite Fire - Proflame 2 Emulator

The **Elite Fire** driver transforms a gas fireplace into a smart home centerpiece.

Requirements

1. Customer must have a Proflame 2 equipped fireplace. The best indicator is a black fireplace remote that looks like the following:

2. A Bond Bridge or Bond Bridge Pro must be present on the customer's network. It is *not* necessary to have a Bond driver in the project.
3. Smart Modes require a temperature sensor that is integrated into the Control 4 project. See **Temperature Sensor Setup** section for more details.

NOTE: 433 Mhz (Europe) support is experimental We're looking for beta testers in Europe or other locations that have a 433 Mhz fireplace and remote. 433 Mhz remotes will have a part number printed on the bottom of the remote like **0584050** or **0584052**. Please contact drew@blessinghome.tech to participate.

0584040, 0584042 are 315 Mhz part codes are not eligible for the 433 Mhz beta testing program.

Installation and Updating

Installation Steps

1. Unzip the driver zip file.
2. In Composer Pro:
   - Go to **Driver > Add or Update Driver or Agent**.
   - Find the `elite_fire_proflame2.c4z` file and choose Add.
3. In Composer Pro, in the System Design tab, search for *Elite Fire* driver in the right pane.
4. Double-click on the driver or drag and drop to a room in the project.

Configuration

NOTE: Bond Bridge only allows obtaining an API token during the first 10 minutes after power on. It is best to power cycle the Bond Bridge prior to taking the steps below.

Initial Setup

1. In **System Design**, search for **Elite Fire** in the right pane.
2. Double-click or drag and drop the driver to a room.

Auto Discovery

If the Bond Bridge is on the same network as the Control4 controller, the driver should be able to discover the Bond Bridge using mDNS.

1. The driver will attempt discovery when added to the project. Discovered bridges will appear in the **Discovered Bond Bridges** property drop down.
   - You can select **Discover Bond Bridges** from the **Actions** property to refresh discovery.
2. Select a bridge from the **Discovered Bond Bridges** property and choose 'Set'.

3. The driver will attempt to obtain an API token from the bridge. This is only allowed if the bridge has been restarted in the last 10 minutes.
    - If the driver displays an error obtaining the token, power cycle the bridge and select **Get Bond API Token** from the **Actions** property.

Manual Configuration

If the Bond Bridge cannot be discovered automatically, you can manually configure the bridge by IP address.

1. Select **Set Manual Bond IP Address** from the **Actions** dropdown.
2. A new property **Bond Bridge IP Address** will appear. Enter the bridge IP address and choose 'Set'.
3. The driver will attempt to obtain an API token from the bridge. This is only allowed if the bridge has been restarted in the last 10 minutes.
    - If the driver displays an error obtaining the token, power cycle the bridge and select **Get Bond API Token** from the **Actions** property.

Temperature Sensor Setup

Smart Modes require a temperature sensor that is integrated into the Control 4 project. This may be an HVAC thermostat or a standalone temperature sensor such as a Z2io, SwitchBot temperature/humidity sensor, or any other integrated temperature sensor. The sensor should be located in the same room as the fireplace.

1. In the **Connections** tab in Composer, find the **Elite Fire** device.
2. Select the **Temperature In** binding. Available/Supported temperature sensors will appear in the bottom pane.
3. Drag from the **Temperature In** binding and drop on the temperature sensor you wish to use in the lower pane.

Fireplace Setup

The fireplace must be paired with one of the preconfigured remotes in the driver. There are multiple remotes to choose from in case a customer's property has multiple Proflame 2 equipped fireplaces they wish to integrate. Each fireplace must use a different remote to avoid RF interference.

NOTE: After pairing a driver remote, the customer's stock black Proflame 2 remote will no longer control the fireplace. To switch back to the old remote, put the fireplace in pairing mode and then press the power button on the remote.

1. Find the fireplace pairing switch/button. This will require removing some portion of the fireplace front cover. Consult the fireplace manual to understand how to access the pairing button.
2. In the driver properties, select **Send Pairing Signal** from the **Actions** dropdown. This will send a pairing signal once every 2 seconds for 1 minute. This should give you time to get from your computer to the fireplace and press the pairing button.
    - To stop sending the signal before 1 minute has elapsed, select **Stop Sending Pairing Signal** from the **Actions** menu.
3. Within 1 minute, press the fireplace pairing signal. You should hear a series of 3-4 beeps. Within 2 seconds you should also hear a second series of beeps. This may happen very quickly since the driver is sending the pairing signal every 2 seconds. The second series of beeps indicates successful pairing.
4. If pairing is successful, the fireplace should also turn on.
    - When the pairing signal stops after 1 minute, or if the **Stop Sending Pairing Signal** action is called, an off signal will be transmitted. This is meant to counteract the fireplace turning on as part of the pairing process.
5. If pairing is unsuccessful, try these steps again. You may find changing the remote selection helps in some cases.

Navigator

The **Elite Fire** thermostat will be added to the room's navigator under the **Comfort** category. The customer can press and hold on the icon to favorite to the room, if desired.

Fireplace Timer Experience Button (Optional)

The thermostat is the most comprehensive method of controlling the fireplace. However, some customers may prefer a simple on/off option to be used alongside the thermostat. For this purpose, you can add a Fireplace experience button driver to the project and connect it to the Elite Fire **Timer Relay** control output binding.

Turning the fireplace on using the fireplace experience button will turn the fireplace on to the last state - Flame, fan, and light will return to the levels they were at during the last use. This is equivalent to setting Mode to 'Heat' in the thermostat.

Driver Properties

Status Properties

- **Cloud Status**: License activation status and update availability
- **Automatic Updates**: Automatically update the driver when updates are available. (Recommend setting to `On`)
- **Driver Version**: Current driver version number
- **Status**: Status updates and error messages.

Configuration Properties

- **Actions**: Driver actions such as sending pairing signals and discovering Bond Bridges
- **Log Level**: Debug output level (Off, Debug, Trace, Trace with API Calls)
- **Remote Selection**: Select different remotes if the customer has multiple Proflame 2 fireplaces. Each fireplace in the project must have a different remote selection to avoid RF interference.

- **Frequency**: Proflame 2 modules may operate on a different frequency in different regions. Typically, 315 Mhz for North America and 433 Mhz in Europe. Pairing will not be successful with the incorrect frequency.
- **Discovered Bond Bridges**: Bond Bridges discovered using mDNS discovery.
- **Bond Bridge IP Address**: Hidden by default. Displayed when using the **Set Manual Bond IP Address** action. Use this if discovery doesn't work or manual IP configuration is desired.
- **Transmit Signals**: Whether to transmit signals through Bond Bridge. For normal operation, this property should remain set to `true`. However, if the driver is misbehaving or you desire to disable the ability for the driver to send RF signals to the fireplace, set this property to `false`. It serves as a sort of fail-safe when operation is not desirable.

Support

1. **Primary Support**: Contact Driver Central support as first step
2. **Escalation**: Driver Central will escalate to Blessing Innovations LLC or email drew@blessinghome.tech
3. **Feature Requests**: Email drew@blessinghome.tech