

# C4

## GRAPHICAL USER INTERFACE STARTUP GUIDE

VERSION 2.0



SMARTRISE

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## Document History

Date	Version	Summary of Changes
December 20, 2019	1.0	Initial Submittal
February 19, 2020	2.0	Updated screen shots to reflect updated software Deleted Backup Files and all references to Backup Files

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## Introduction

The C4 controller uses a Data Acquisition Device (DAD) for means of Graphical User Interface (GUI) communication. The GUI allows users to set parameters and settings within the C4. See the *C4 Graphical User Interface Front End Requirements Specification*.

## Wiring

Some of the C4 controllers do not have the DAD connector wired. If the controller does not have the cable wired, then wire the connector as shown below.

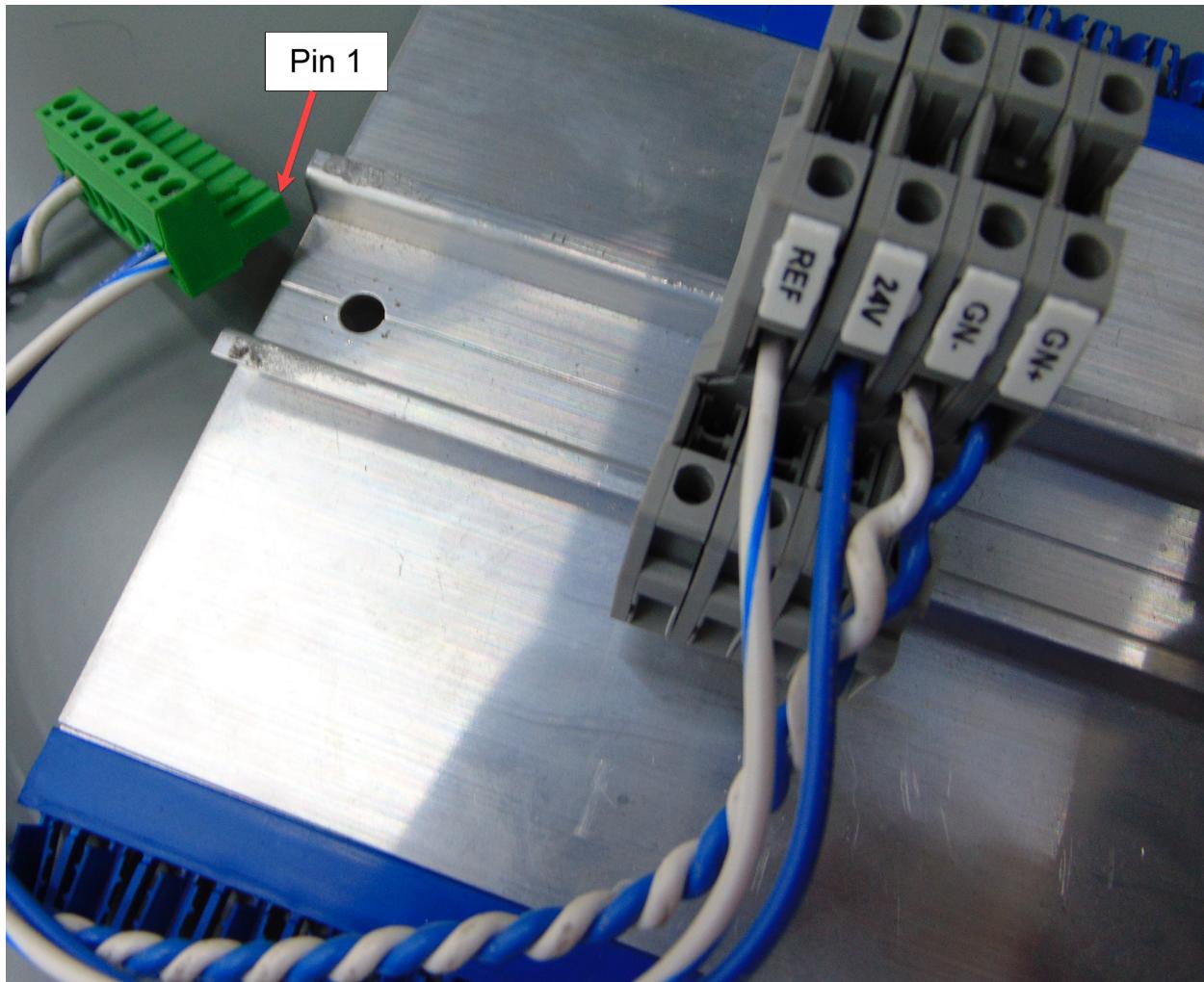


Figure 1: DAD Connector Cable

The following table lists the Wiring for the DAD Connector Cable.

*Table 1: Wiring for the DAD Connector Cable*

PIN	Wire Color	Signal
1	White/Blue	REF
2	Blue	24 VDC
7	Twisted Pair – White	GN-
8	Twisted Pair – Blue	GN+

## Connect to the GUI

Perform the following to connect to the GUI.

1. Power up the controller.
2. The DAD fault and HB LEDs start flashing then the HB (Heartbeat) turns green when ready.
3. Using a Wi-Fi laptop or tablet, connect to the GUI.

**NOTE:** If using Windows 10, go to or click the Network & Internet Settings (  ) menu option on the bottom right of the main desktop window.

4. Select the C4 [Job\_Site\_Name] Wi-Fi connection.
5. Enter the password: SmartriseMRM.
6. Click Connect.
7. Click Ok. The connection shows No internet, secured.
8. Open a web browser (preferably Google Chrome or Firefox).
9. Type 192.168.4.1 on the address bar.
10. The C4 Monitoring Graphical User Interface displays on the browser.

# Systems

The System screens allow the user to update the C4 controller software configuration files.

## Bootloader

The Bootloader allows for updating the C4 software directly through the C4 GUI.

1. Navigate to the SYSTEM Screen – Bootloader.

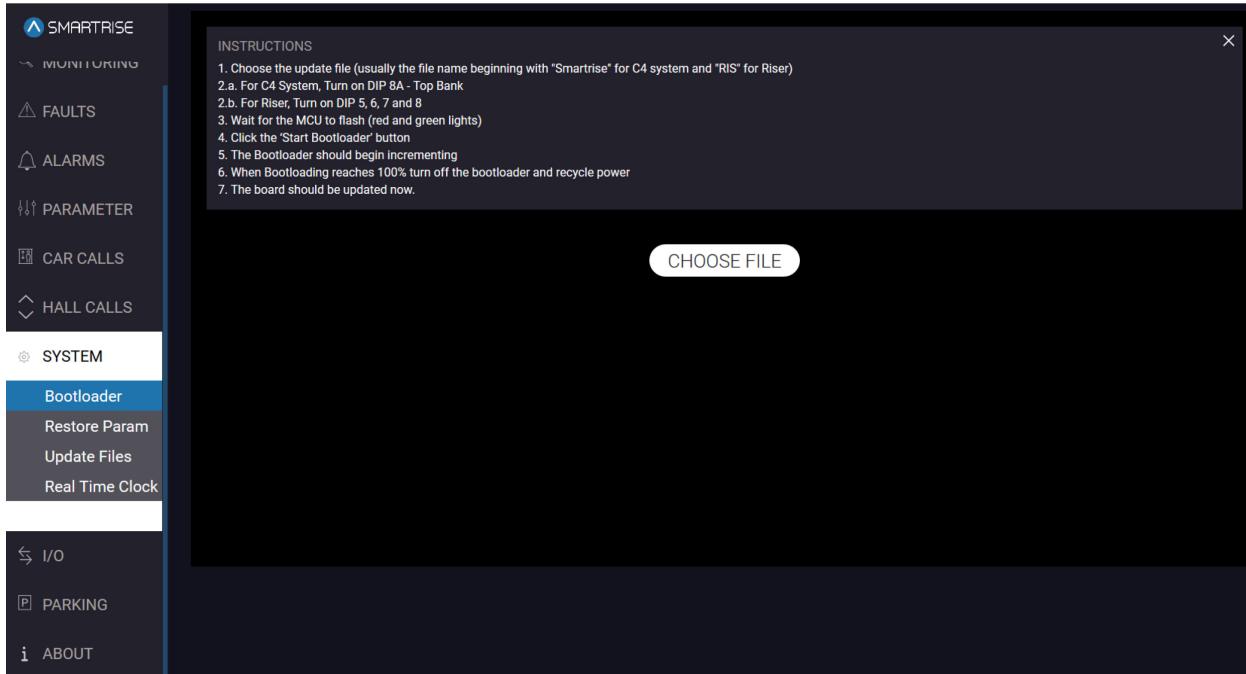


Figure 2: SYSTEM Screen – Bootloader

2. Click CHOOSE FILE.
3. Select the .sbf file to update the system software.
4. Turn on DIP 8A on the MR board.
5. Wait for the MRUA and MRUB to flash the red and green LEDs in a pattern.
6. Click “Start Bootloader” on the GUI.
7. The MRUA and MRUB LEDs pattern will change to alternating between red, green, and yellow.
8. When the screen displays 100%, the software updates are completed.
9. Power down the controller, turn off DIP 8A, and then power the controller back on.

## Configuration Files

The Update Files – CONFIG screen allows the user to update the GUI configuration to match the job.

1. Navigate to the SYSTEM Screen – Update Files – CONFIG.

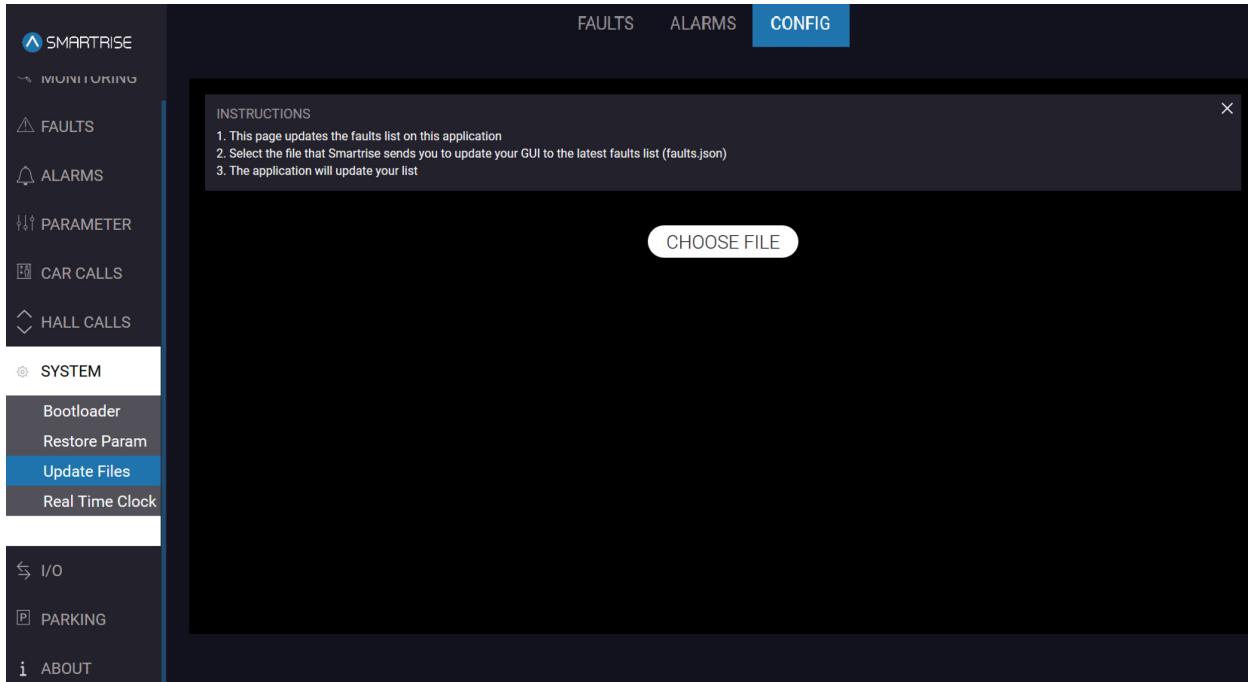


Figure 3: SYSTEM Screen – Update Files – CONFIG

2. Click CHOOSE FILE.
3. Select Sync Config file to update a specific job.
4. Select Sync Config. and the system loads the new configuration.
5. When the screen displays 100%, the config file updates are complete.
6. Power cycle the unit, the configuration will show up.

## Restore Parameters

The Restore Param screen allows the user to restore the parameters for a selected car.

1. Navigate to the SYSTEM Screen – Restore Param.

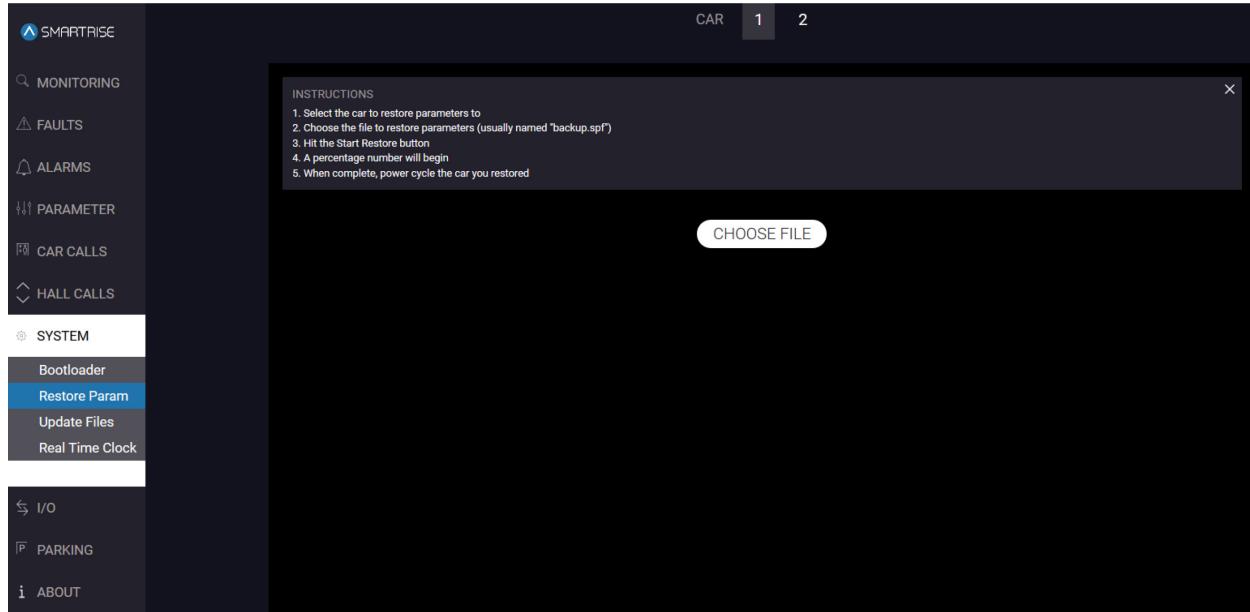


Figure 4: SYSTEM Screen – Restore Param

2. Select the car the parameters are being restored for.
3. Click CHOOSE FILE.
4. Select the file and click Start Restore.
5. When the screen reaches 100%, the parameters have been restored.

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