– GRAPHICAL USER INTERFACE – STARTUP GUIDE

VERSION 2.0

∧ SMARTRISE



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 (Define the main 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.

\land SMARTRISE	INCERTION	×
	1. Choose the update file (usually the file name beginning with "Smartrise" for C4 system and "RIS" for Riser) 2.8 Evr C4 System Ture on DID 8A. Ton Bank	
⊥ A FAULTS	2.b. For Georgenity, Charles for an de Top calle 2.b. For Riser, Turn on DIP 5, 6, 7 and 8 3. Wait for the MCU to flash (red and green lights)	
🔔 ALARMS	4. Click the 'Start Bootloader' button 5. The Bootloader should begin incrementing 6. When Bootloading reaches 100% turn off the bootloader and recycle power 7. The board should be updated now.	
[}] } PARAMETER		
I CAR CALLS	CHOOSE FILE	
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SYSTEM		
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Restore Param		
Update Files Real Time Clock		
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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.

∧ SMARTRISE	FAULTS ALARMS CONFIG	
🛆 FAULTS	INSTRUCTIONS 1. This page updates the faults list on this application 2. Solect the file that Smartrise sends you to undate your GIII to the latest faults list (faults ison).	×
🗘 ALARMS	3. The application will update your list	
[↓] ↓† PARAMETER	CHOOSE FILE	
III CAR CALLS		
🗘 HALL CALLS		
SYSTEM		
Bootloader		
Restore Param		
Real Time Clock		
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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.

\land SMARTRISE		CAR 1 2	
	Select the car to restore parameters to Choose the file to restore parameters (usually named "backup.spf") Lift the Chart Restore button		
🗘 ALARMS	A. A percentage number will begin S. When complete, power cycle the car you restored		
間 CAR CALLS		CHOOSE FILE	
🗘 HALL CALLS			
SYSTEM			
Bootloader			
Restore Param Update Files			
Real Time Clock			
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P PARKING			
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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.

