

Parts & Service Bulletin

All Distributors, Regional Sales Managers, and National Sales Manager To:

From: LabriePlus

Model: **ALL WITH IFM MULTIPLEX**

Field Installation of an Updated IFM Program with IFM Maintenance Subject:

In the past a kit was released to connect a Windows-based PC to the Labrie IFM multiplex control system for diagnostic and updated program installation purposes. This kit, LabriePlus part number SERV01208, included the following:

- IFM System Connection Harness 159545
- PC-USB to Labrie Harness Adapter Cable ELC01470
- instructional CD-ROM 153245 R4.

The instructional CD-ROM also contained IFM's Download program, which is what has traditionally been used to input program updates to Labrie units. However, with some of the most recent Windows updates certain stability issues have been identified between the Download and the CANfox adapter (ELC01470).

An alternative program, IFM Maintenance, can also be used to load updated program to Labrie units. Maintenance has been known to be much more stable with the most up-to-date Windows OS.

To support the utilization of IFM Maintenance the installer files have been added to the "Distributor" Library" section of the LabriePlus technical website, contact your local distributor for a copy of the installer files.

Additionally, the following pages contain updated software installation procedures utilizing Maintenance.

Please contact the LabriePlus Service Department at (800) 231-2771 (US) or (877) 452-2743 (CAN) for questions or further information









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IFM Control System Programming: Field installation of an updated program with IFM Maintenance



Tools Required:

A laptop PC running IFM maintenance- available for download in distributor library at: https://manuals.labrie.plus

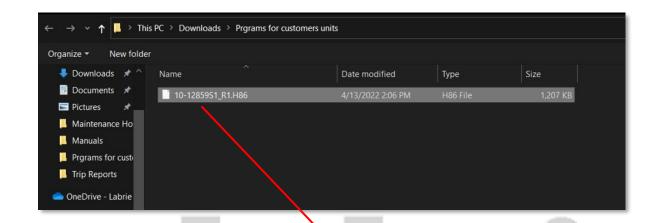
P/N 159545 Programming Harness x1
PC-USB to Labrie Harness CAN adapter P/N ELC01470 x1





Preparing to install the new program

Being by testing unit for functionality of all features. Recording and/or addressing any possible deficiencies avoids confusion or concern once a new program is installed.







Using the Labrie display screen, access the "Program Version" menu to verify that the new program matches the existing truck program.

Note: it is normal for revision iteration to increase, but the first five digits of the existing program should match the new program.







Using the Labrie display screen, access the "J1939 Baudrate" menu to verify current J1939 Baudrate setting. Possible values are 250 Kbps or 500Kbps. A photograph of the display is the easiest way to remember the current value. An incorrect J1939 Baudrate setting will prevent the Labrie pump from engaging and can cause chassis communication errors.

Note: Baudrate is stored within the Labrie program memory. Installing a new program resets this memory to default, meaning that units with a Baudrate setting of 500Kbps will need to have the setting changed back after a new program is installed.

Using the IFM "Maintenance" Program

Before moving to the laptop:

Connect the 159545 Programming Harness to the ELC01470 CAN adapter, then connect the cable assembly to an unused laptop USB port and the unit's diagnostic port





Typical location

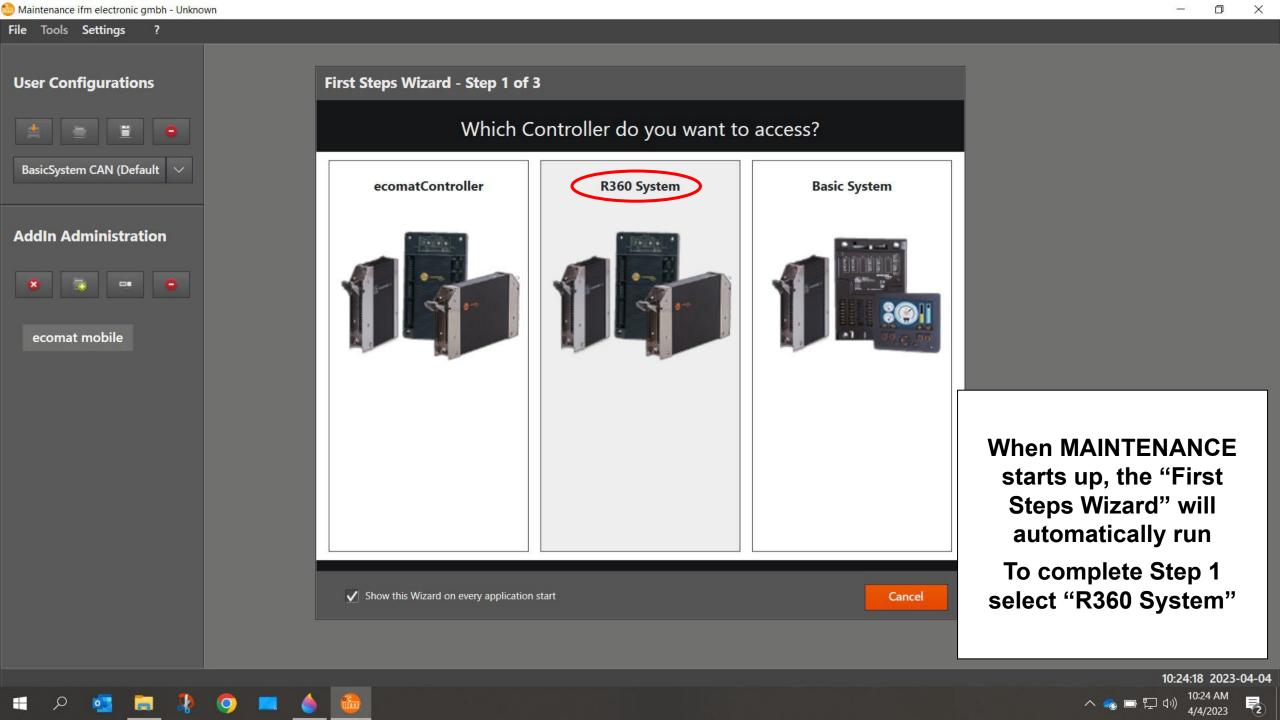
NOTE: a dust cap may need to be removed

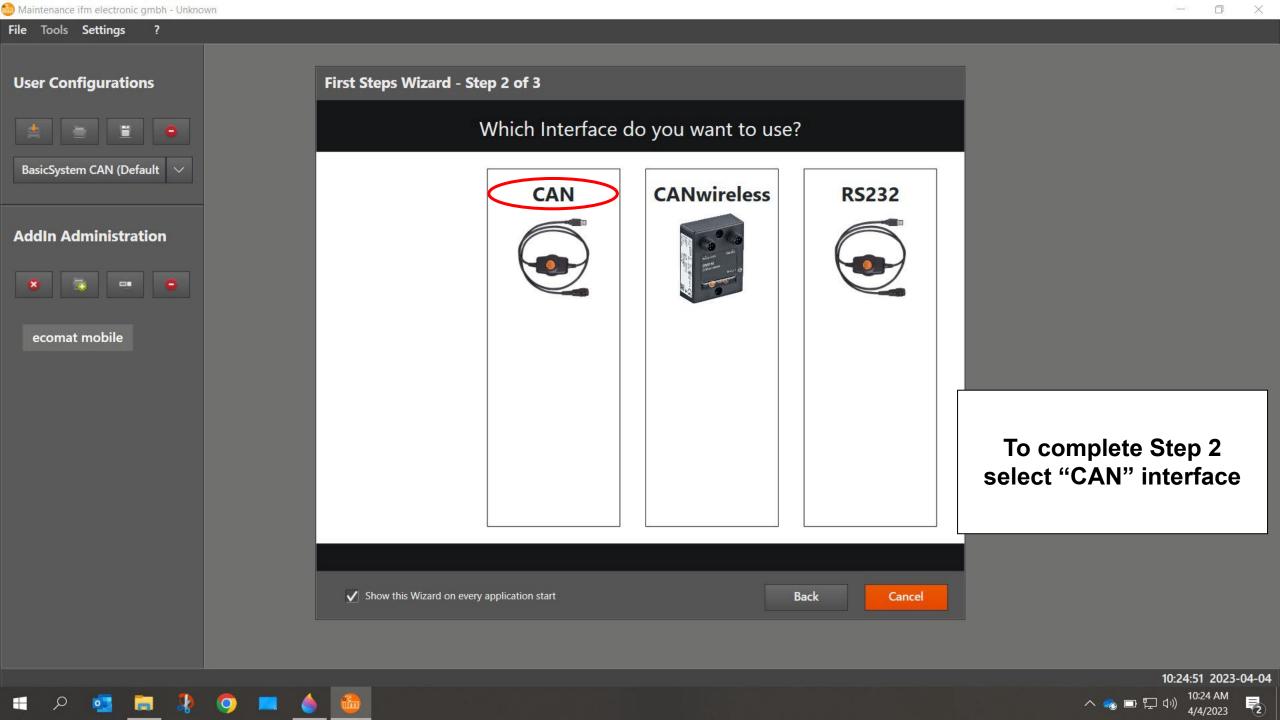
Once at the laptop:

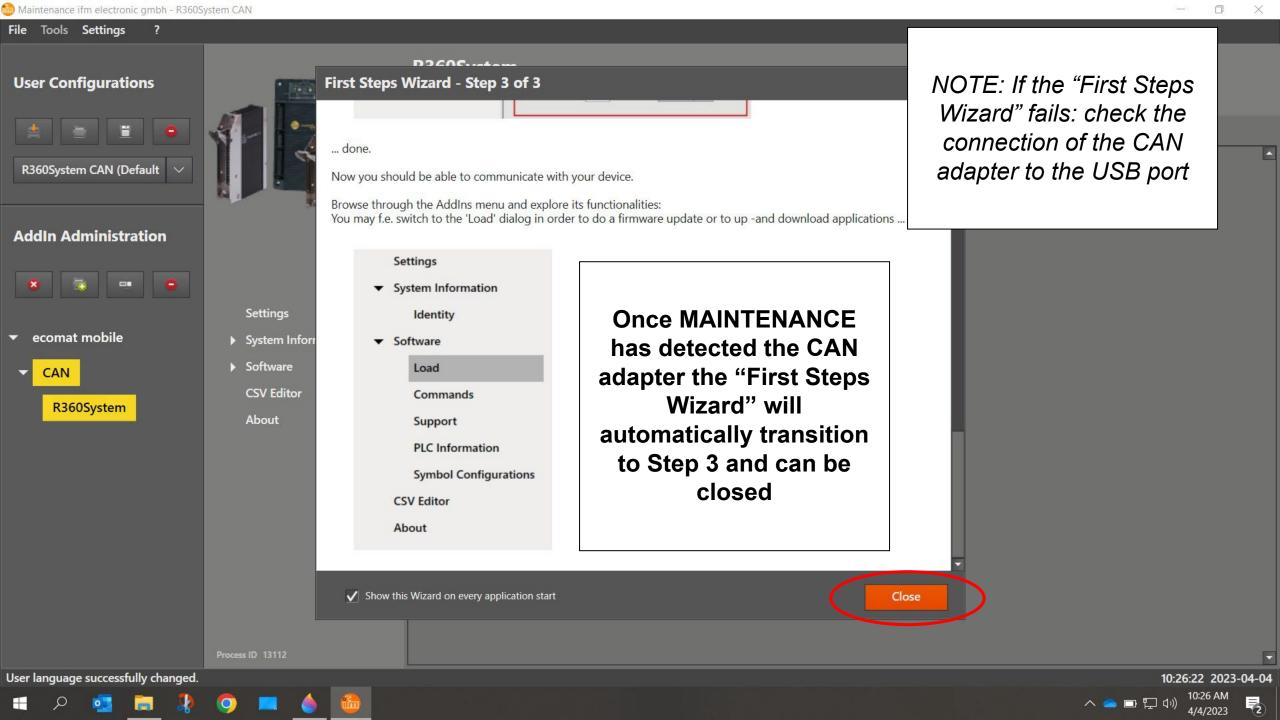
Double click on the MAINTENANCE icon to open the program

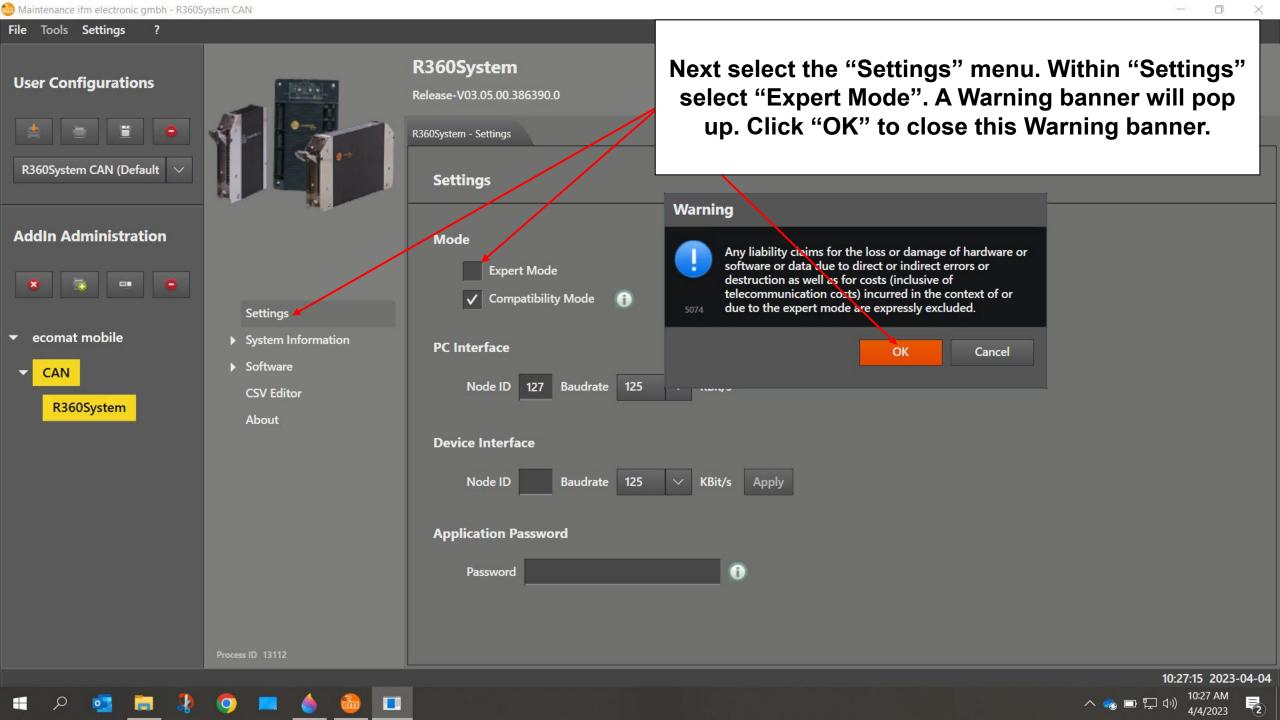
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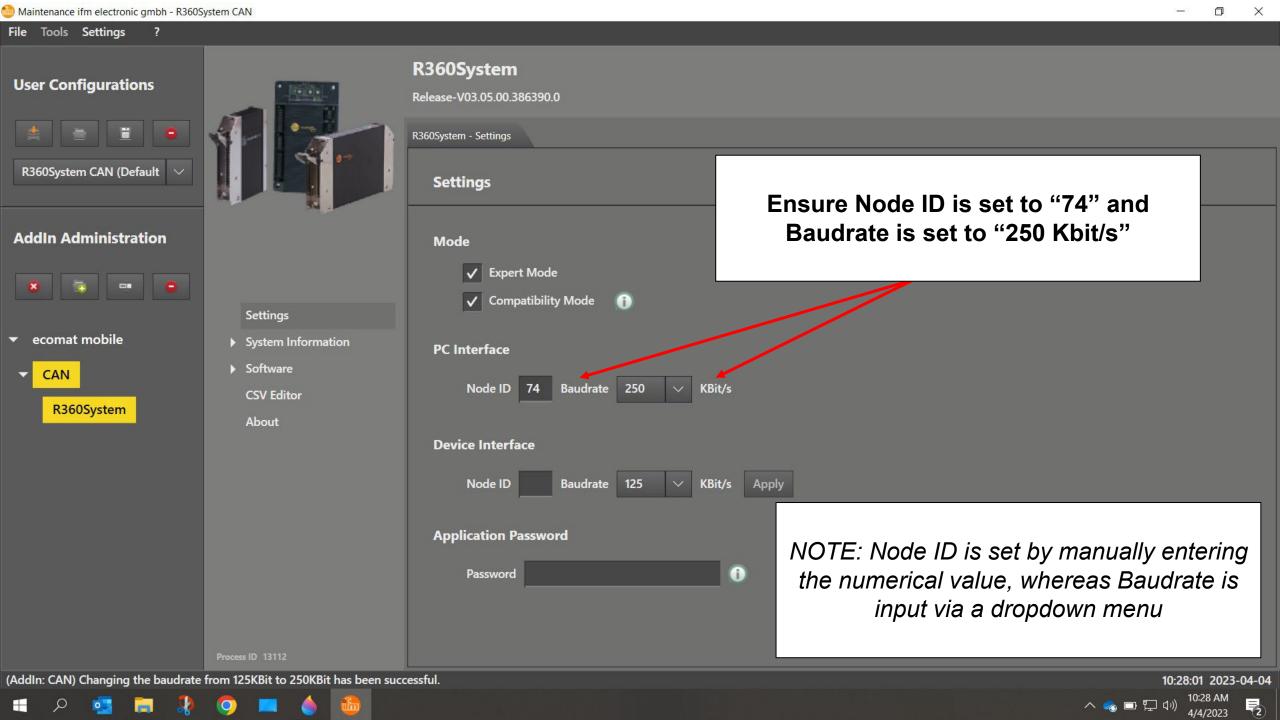


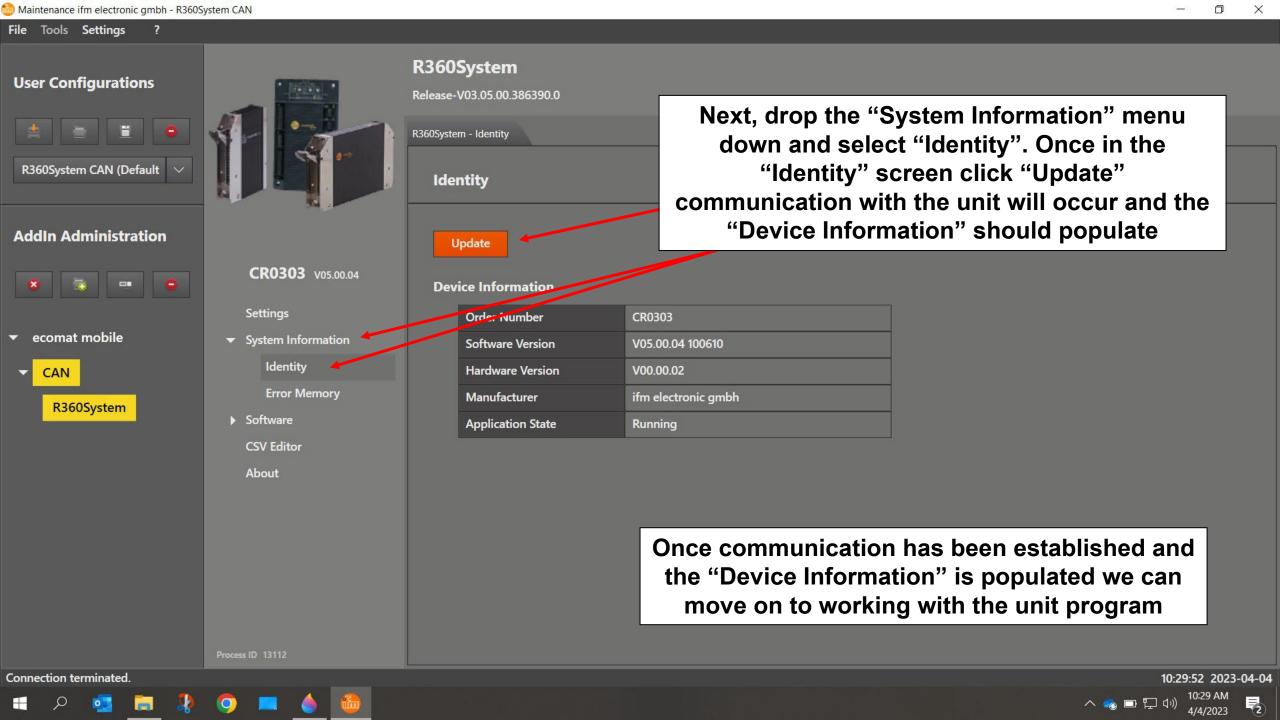




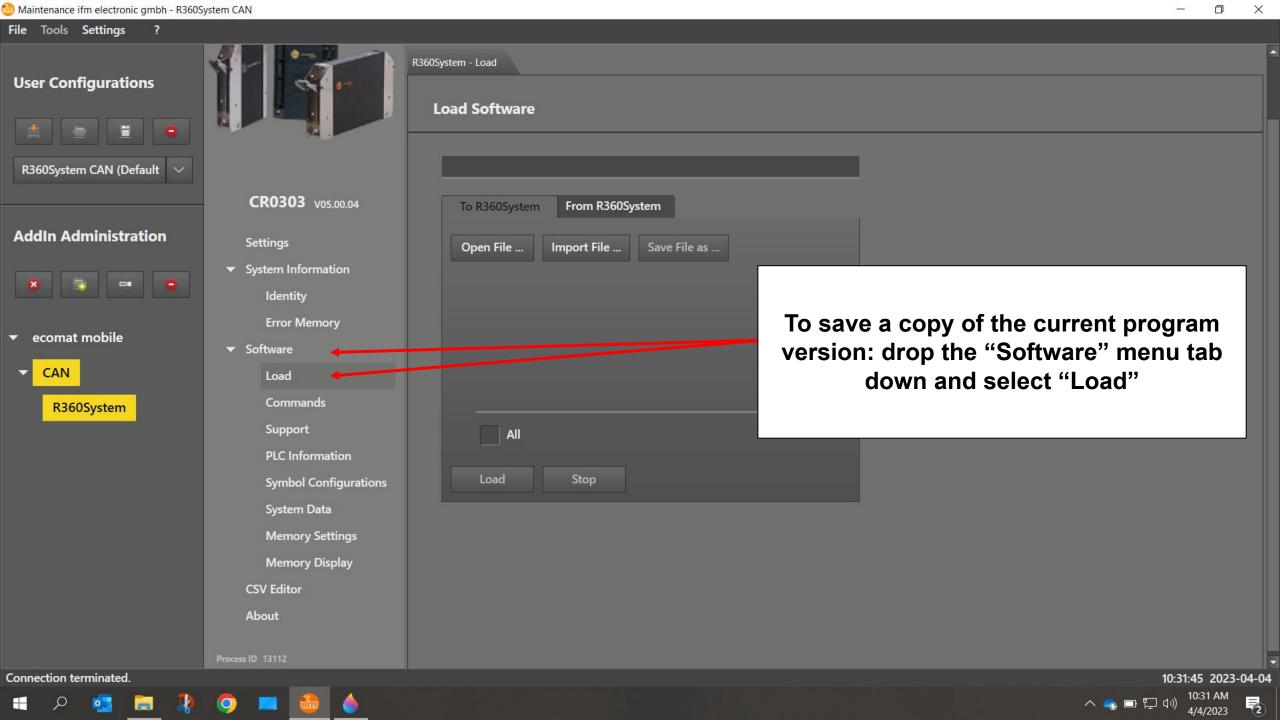


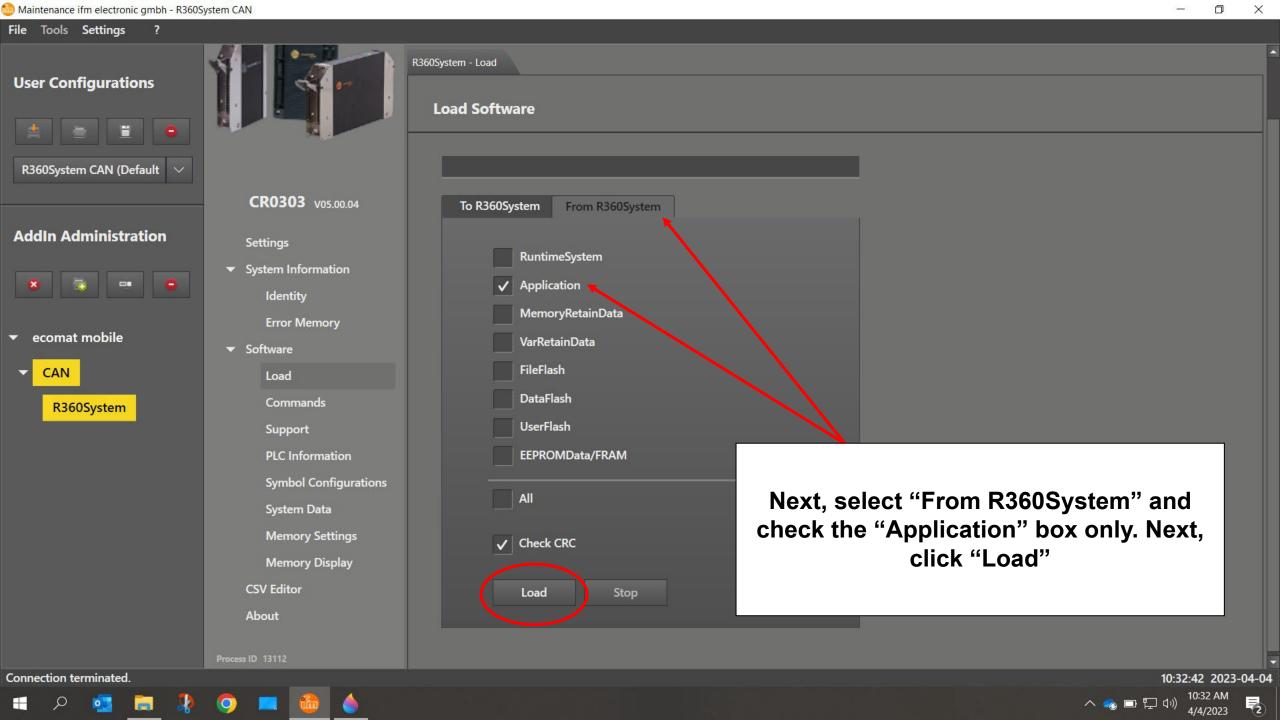


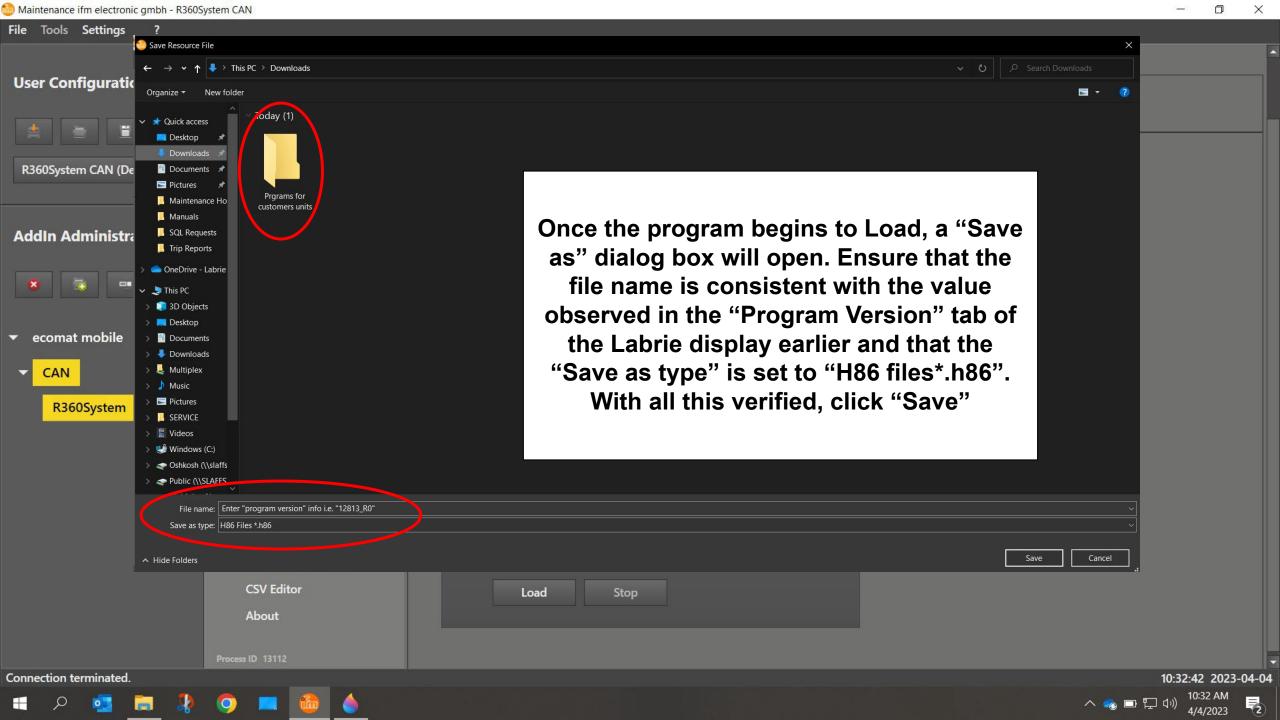


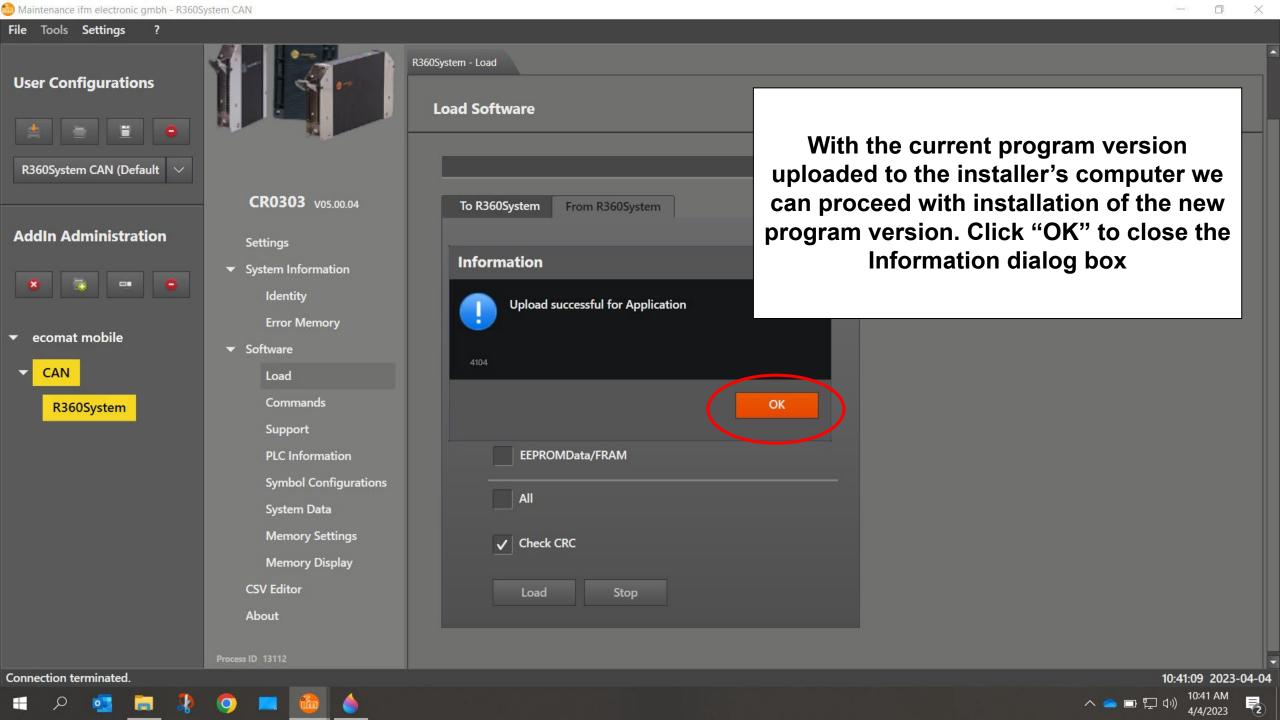


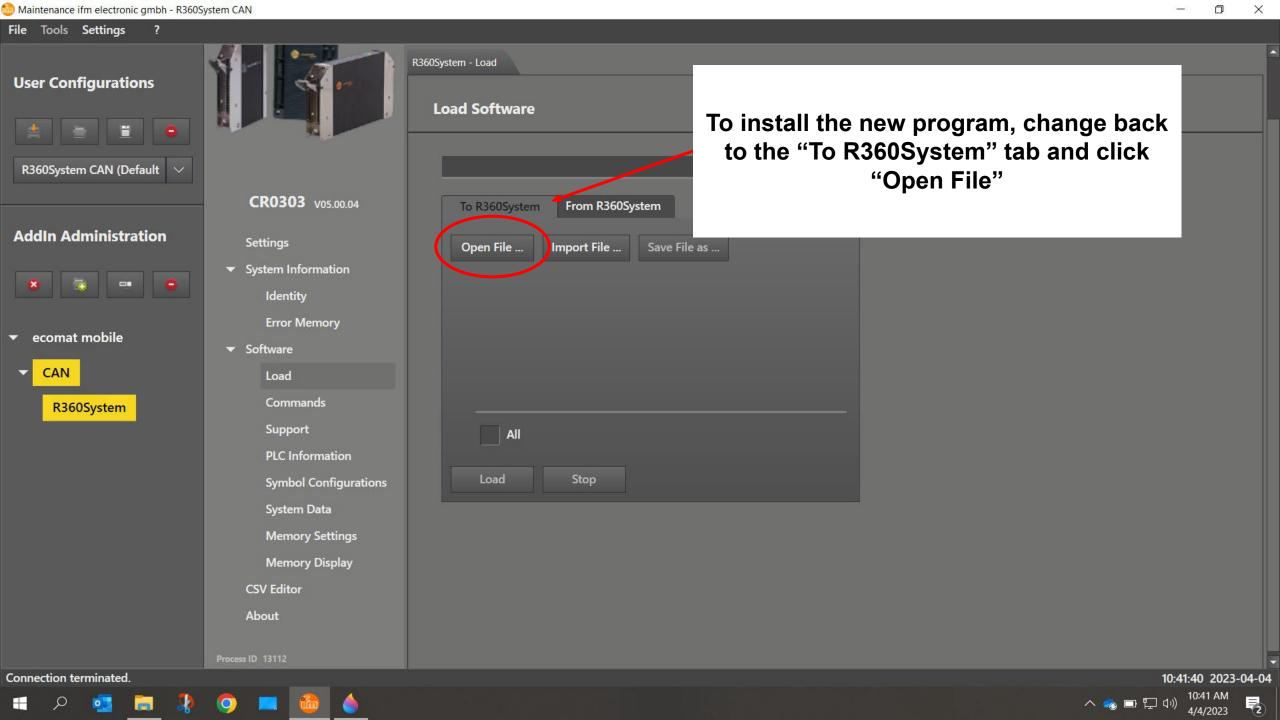
Note that loading a new program to a unit overwrites the existing version in the unit. If there are any compatibility issues with the new program, or if the changes made were not what was desired, it is impossible to revert to the old version, unless this version is uploaded to the installer's computer first.

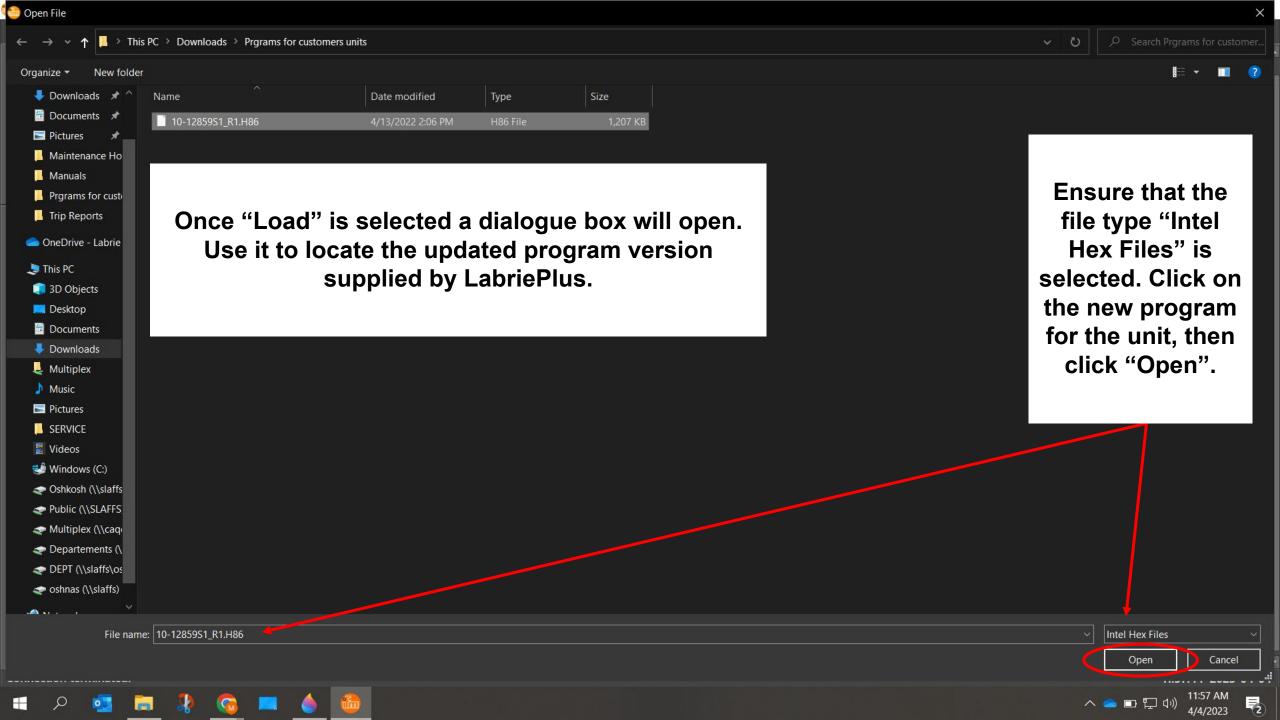


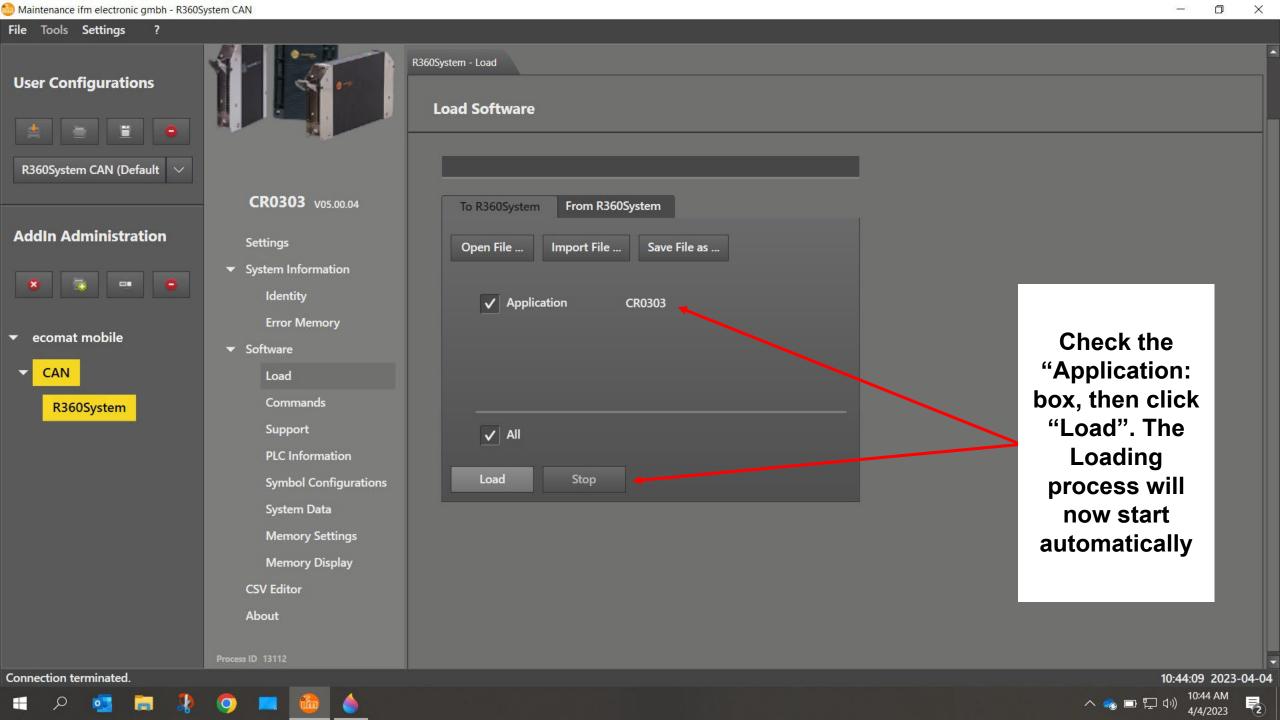


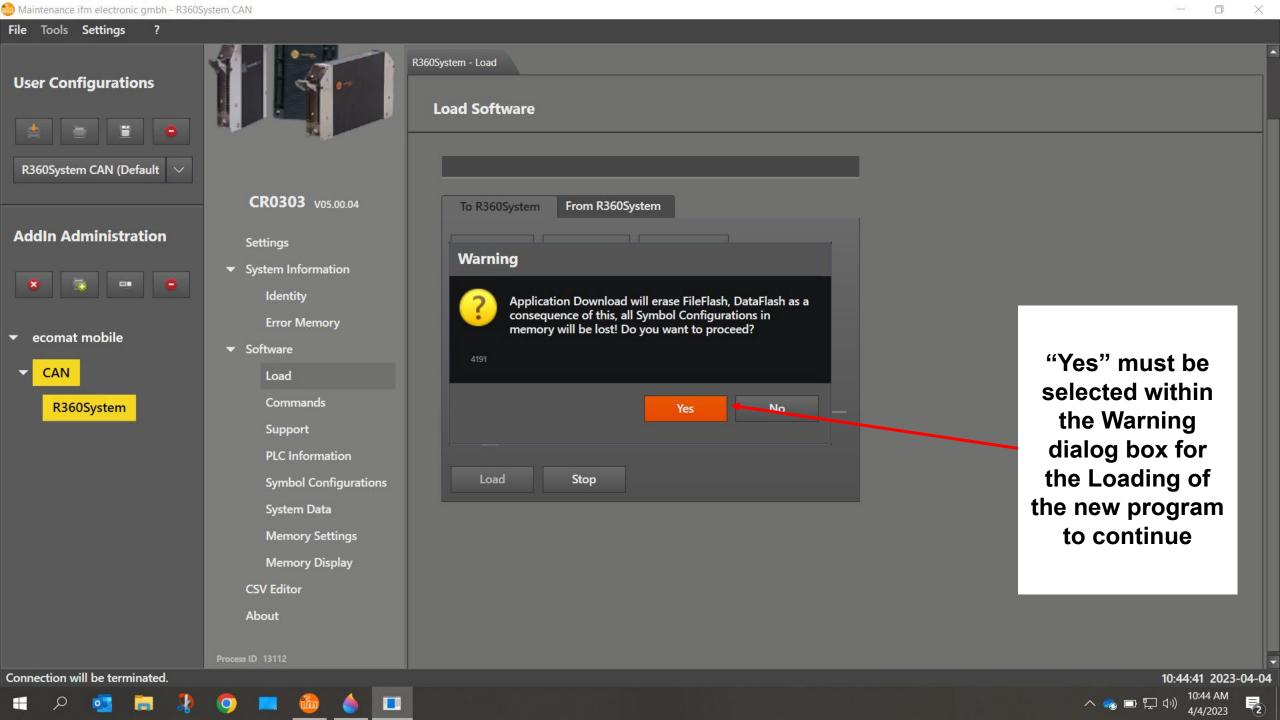




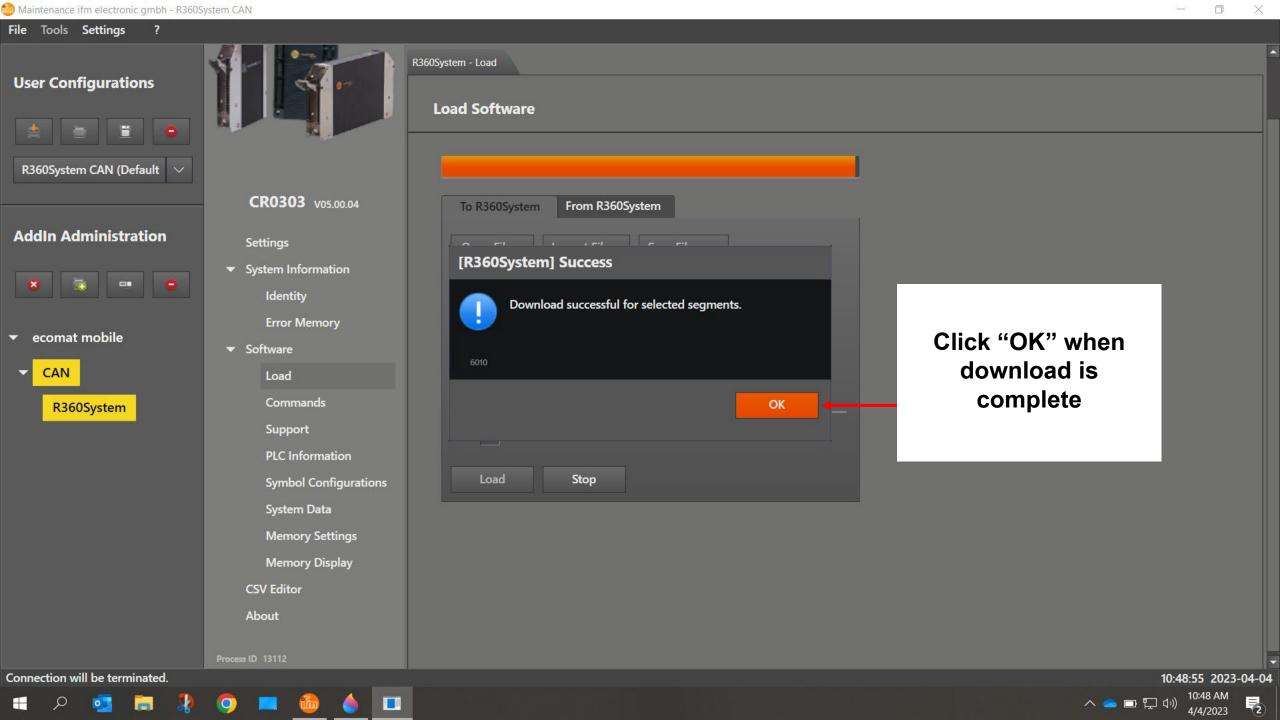


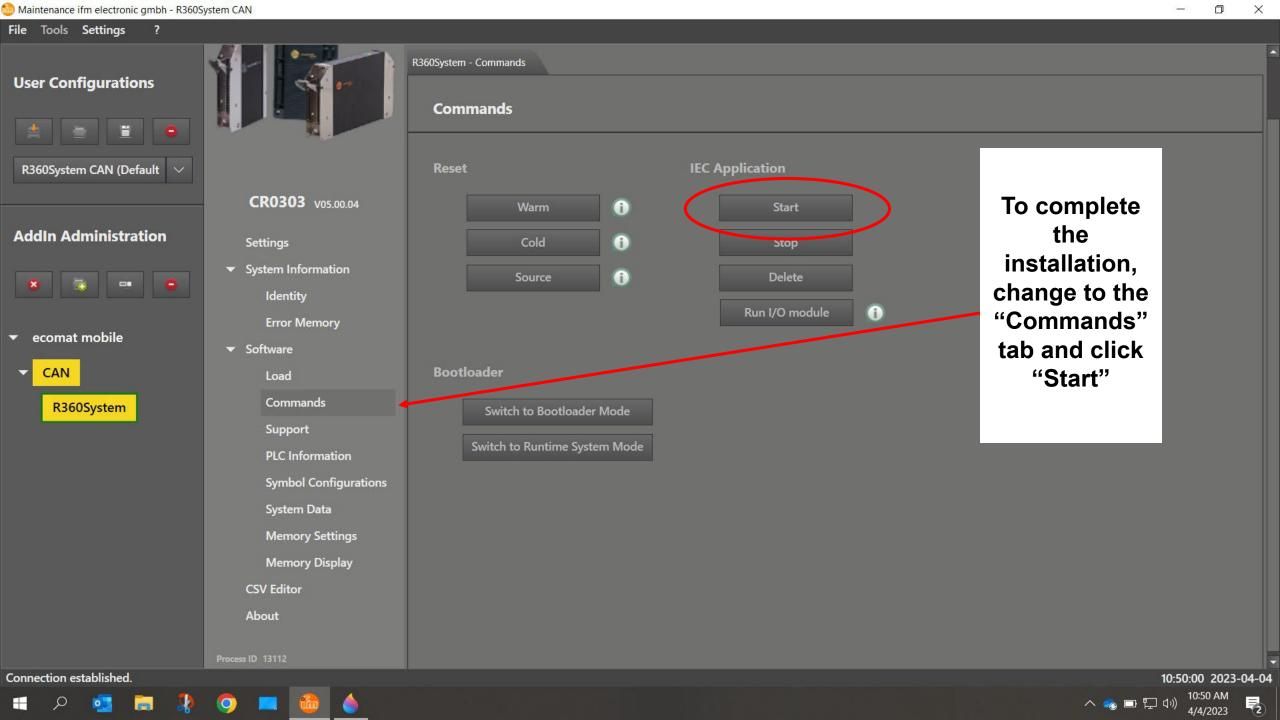


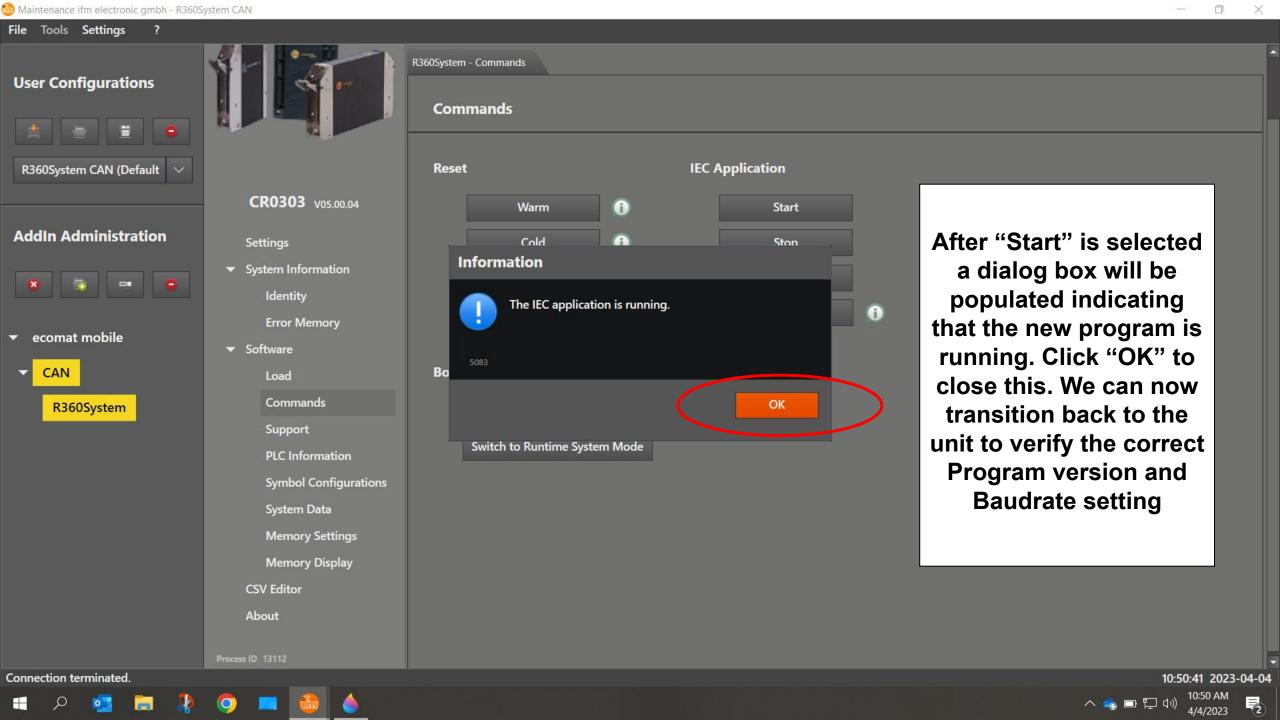




Note that while Downloading a new program into a unit, the Node 10 status light will stay solid green, and the Node 11 (display screen) and Nodes 12-15 (button packs) will shut off completely.







Once the program is running, the button packs and display will come back online, and function can be tested.









Using the Labrie display screen, access the "J1939 Baudrate" menu to verify current J1939 Baudrate setting reflects what was recorded in previous steps. If necessary, change accordingly.

Also using the Labrie display screen, access the "Program Version" screen to ensure that the program now matches that which was supplied to the installer by LabriePlus.

Test unit for functionality of all added features, as well as previously enabled functions. Successful testing will enable the unit to return to service.

Contact your LabriePlus Field Service Representative with any questions or for assistance