KNOWLEDGE BASE

Article Type: **Instructions**

Control Chief Radio Modems, used on PTS, Trac-a-Rac, and Paco Crawler

Description:

Instructions on converting from old series 2400 to new series 2410 Control Chief Radio Modem.

(2400 series – 1746CCCIWCM2400 / colmac # 239834
(2410 series – 1746CCCIWCM2410 / colmac # 2389910

Communicator

WARNING

Never work on, clean or service this unit, control panel or any machine or open or remove any protective cover, guard, grate, door, or maintenance panel until the power or energy sources has been turned off, locked out / tagged out, and all moving parts have come to a complete stop and or blocked to prevent movement. Machinery is dangerous – avoid personal injury and or death by following manufacture, Local, and OHSA safety procedures. Contact Columbia Machine for safety decals, guards, horns and beacons.

Control Chief Radio Modems

Instructions for converting the Old series 2400 to new series 2410
(2400 series – 1746CCCIWCM2400 / colmac # 239834)
(2410 series – 1746CCCIWCM2410 / colmac # 2389910)

**ISSUE:** Replacement radio cards fault when installed in the rack.

Due to changes made in the newest revision of the Control Chief Radio Modems, the G file must be changed in the RSLogix software. This can be done by editing the IO configuration for the slot that the radio modem is installed in. The required steps to complete this procedure are outlined in this document.

RESOLUTION: Complete the following steps to resolve the fault condition on the replaced radio modem card. These steps must be repeated for both PLC racks.
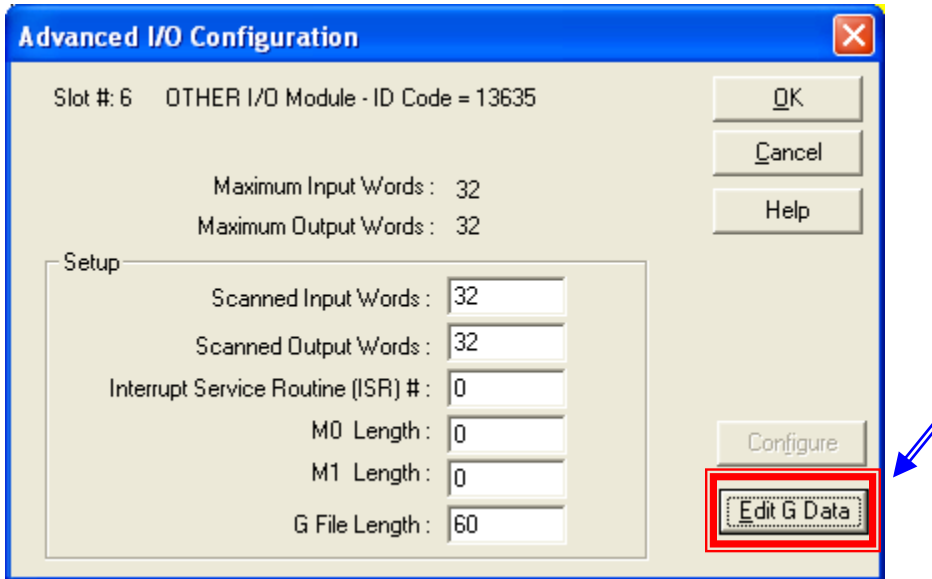
1. Open the plc program in RSLogix 500 in OFFLINE mode and navigate to **IO Configuration** under the Controller Folder.
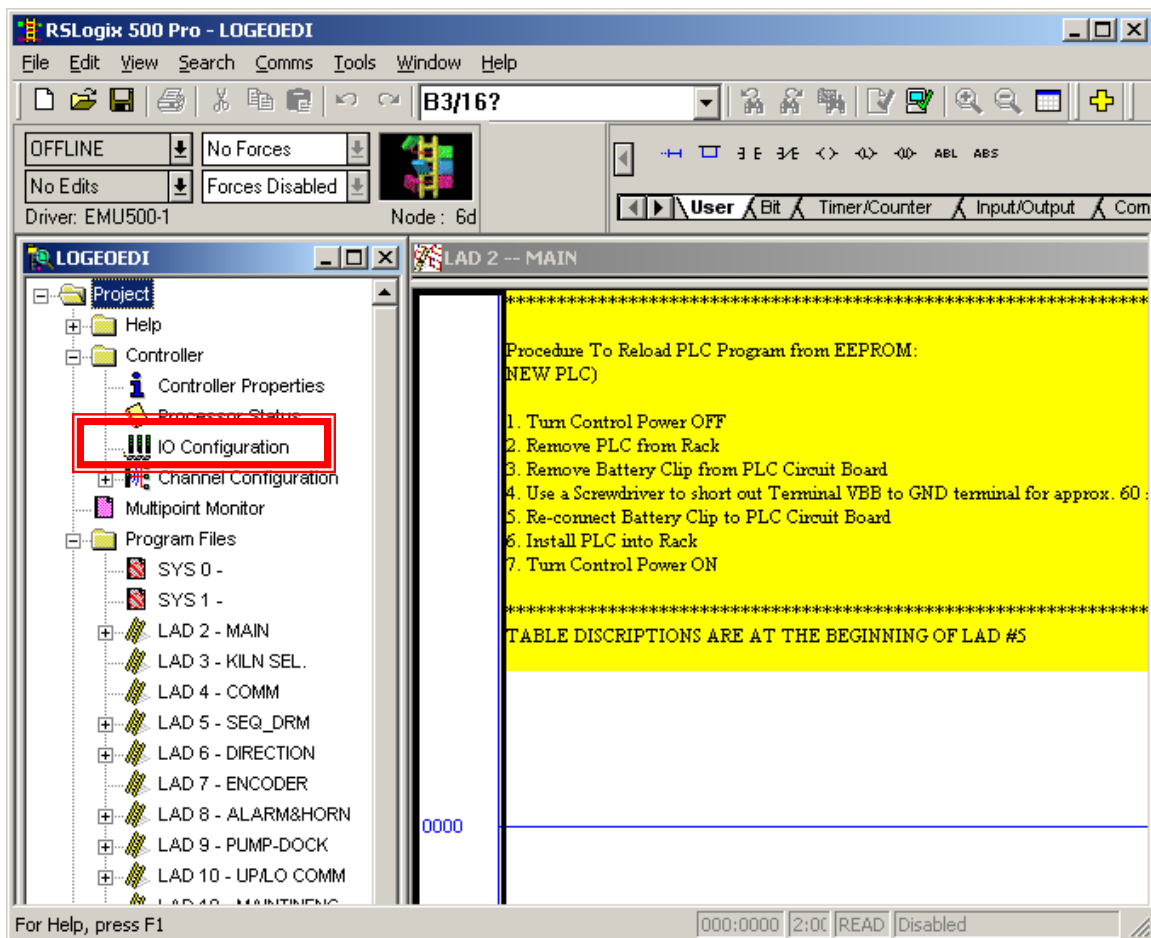
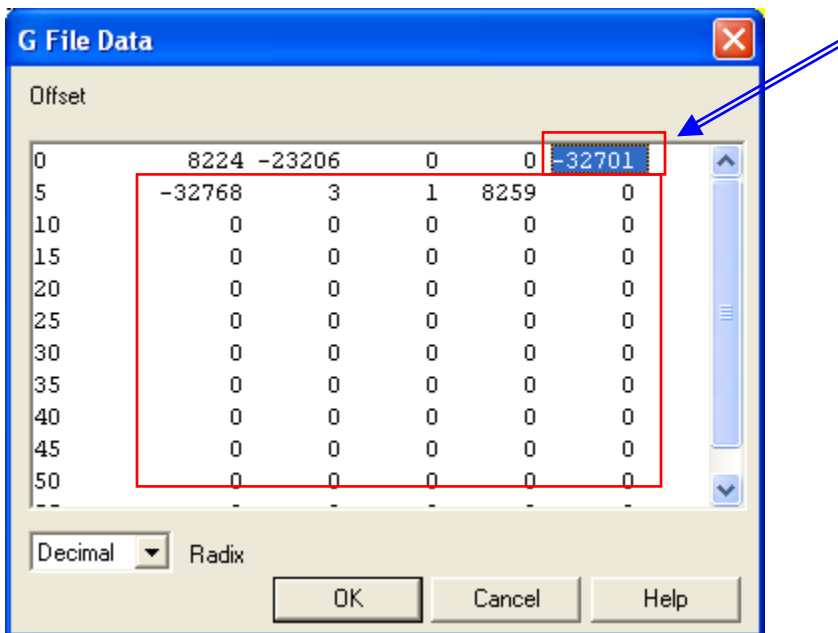2. Double Click the slot labeled **OTHER I/O Module – ID Code = 13635 or press the "Adv Config" button**
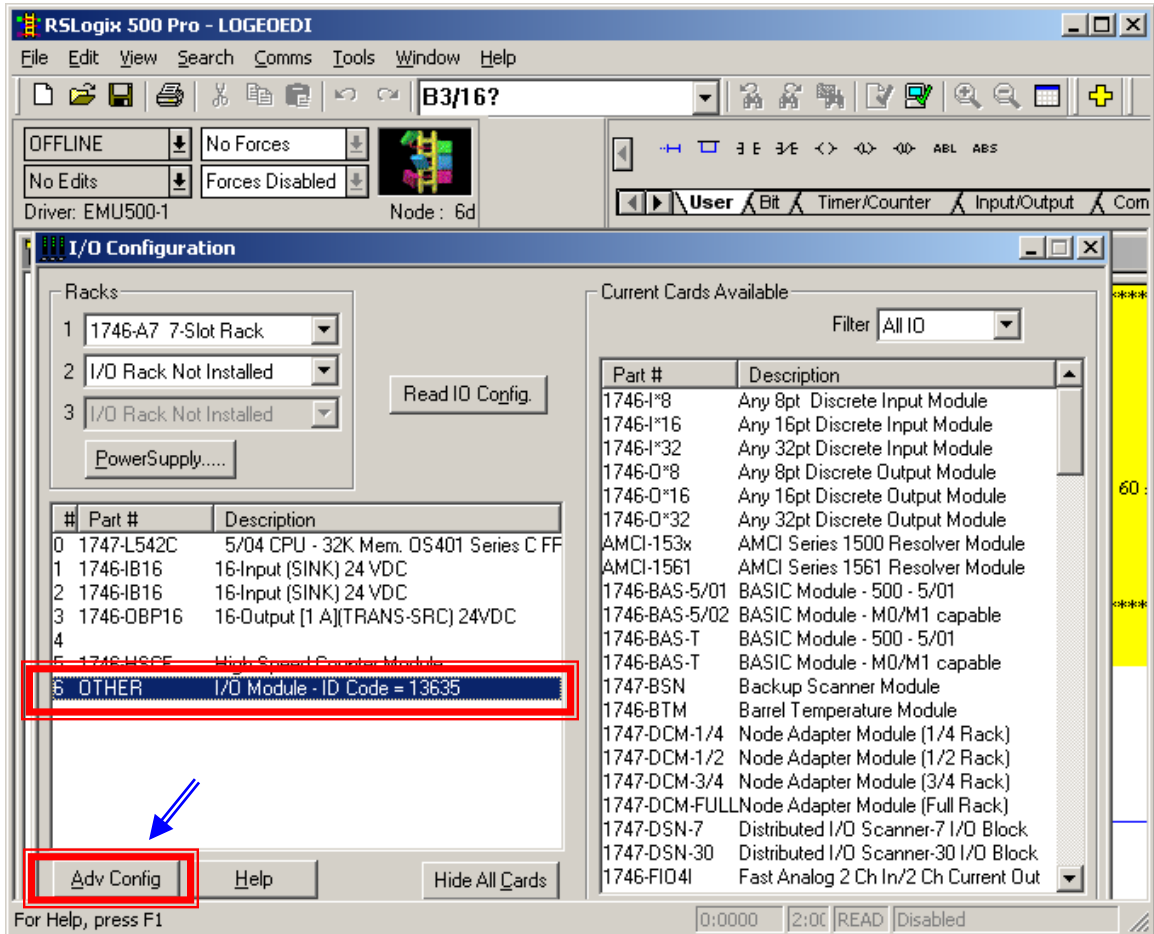
3. Form the **Advanced I/O Configuration** window, click the **Edit G Data** button.
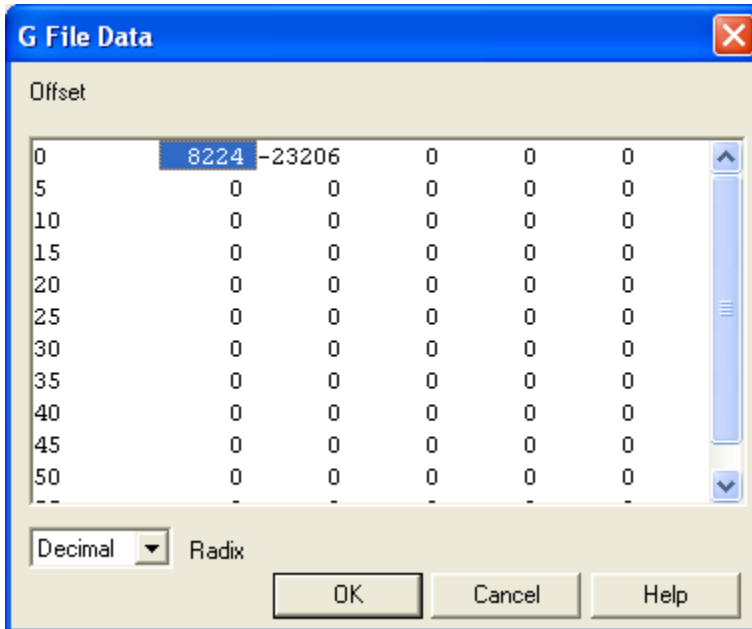

4. The values in the first two columns of row 0 MUST match the values of the G File of the other car. **Change the remaining values to 0**.

Original G File:

Updated G File:

5. Save the program changes to disk then download them to the PLC. It is a good practice to download the program changes twice, as sometimes the data does not update on the first try.

6. Repeat steps 1 thru 6 for the other car.

7. Once both PLC programs have been updated, place the processors back into RUN mode. Check both Control Chief cards to verify that the FAULT light is not on.

8. If there are no fault lights anywhere in the system, you may test the cars for proper function.