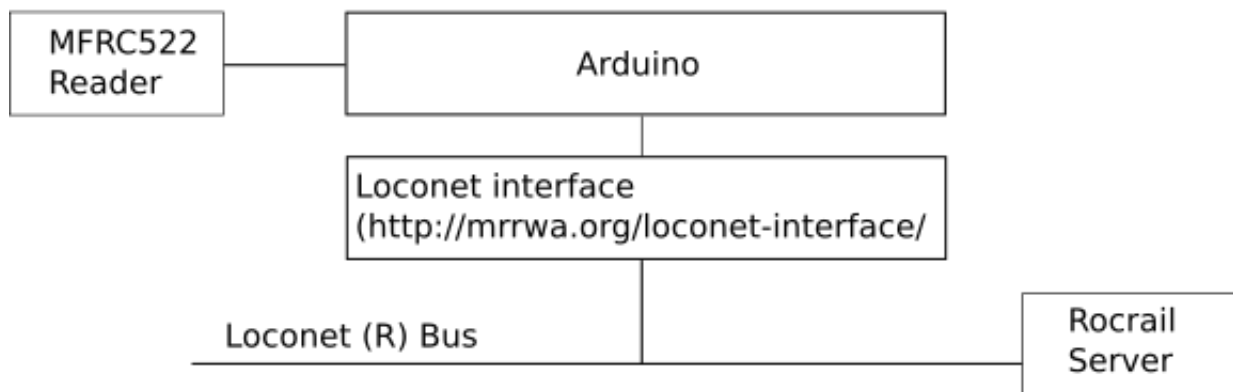


## Short Description

The rfid2ln interface aims to connect an RFID “Sensor” to Loconet ® Bus system in a computer controlled model railroad layout.

The physical connection of the interface should be done like in the following diagram:

### RFID2LN Connection Diagram



To ensure the compatibility with the existing Loconet ® interfaces (mainly the LocoIO/MGV50/GCA50), the interface has a board address (default 88) and a sensor address (default 1), both programmable over the Loconet ® Bus.

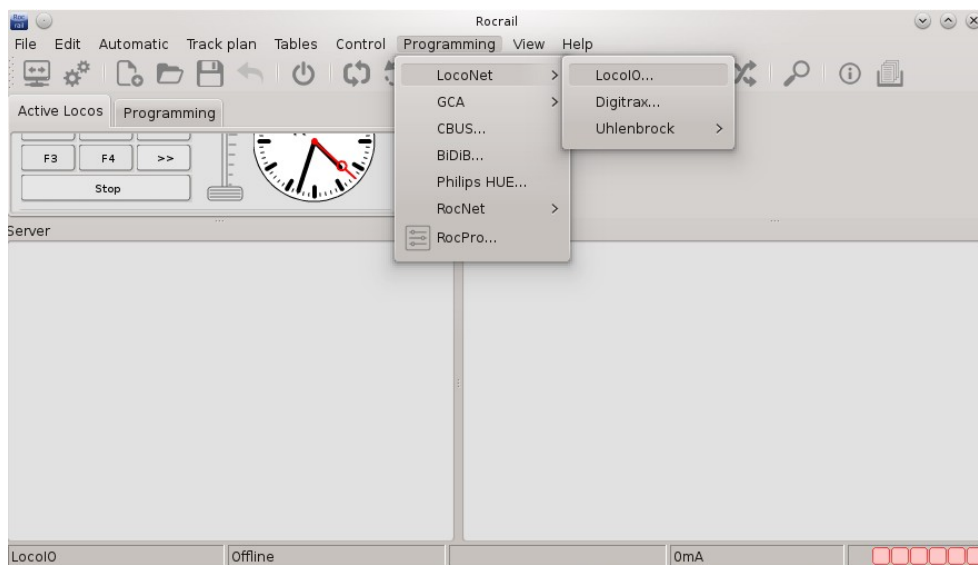
## Programming using Rocrail

Using the Rocrail software, the board can be adapted to one's needs.

To use more than one board in one Loconet Bus, the board address and the sensor addresses can/should be (re)programmed; the easiest way to do the programming is over the Loconet Bus using Rocrail.

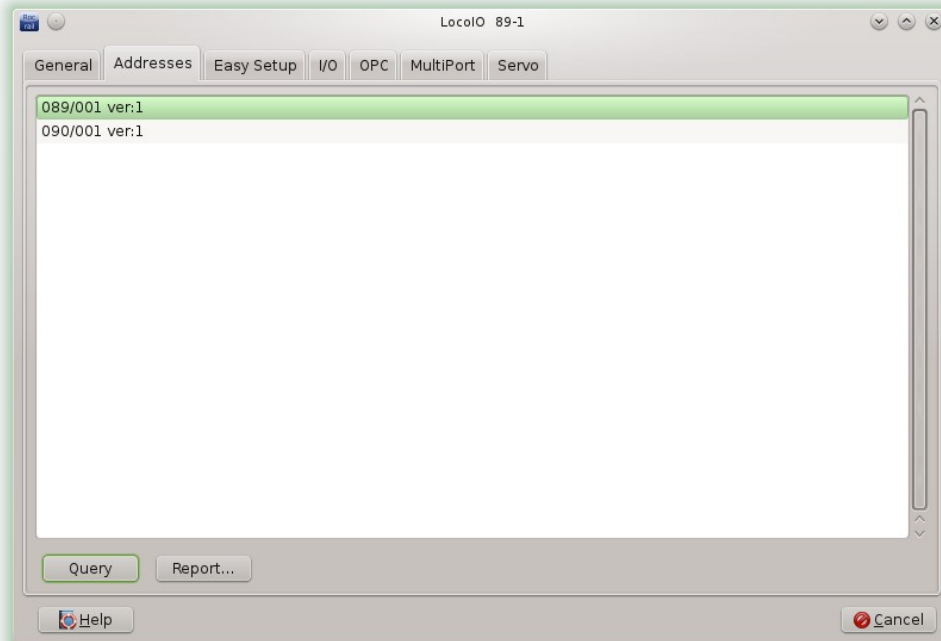
The following steps show the programming flow in Rocrail.

All the programming tasks are done in the LocoIO Menu (Programming → Loconet → LocoIO) in Rocview:



## 1. Look after the board

Click on the Address tab and push the Query button.

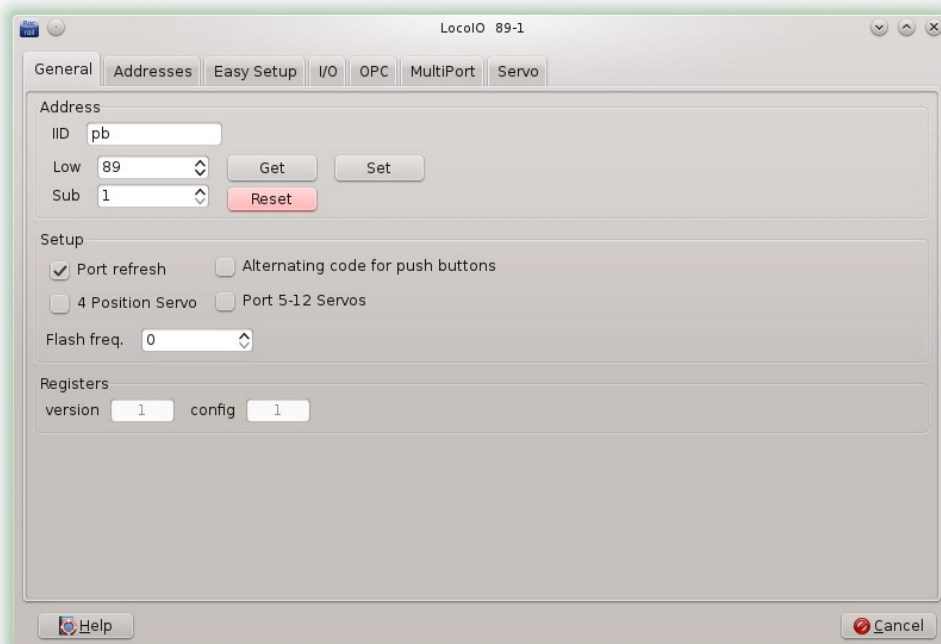


In my case, I have two Loconet boards, one (89) is the (already programmed) rfid2In board, one other LocoIO (90) board.

Note: if more than one board need to be programmed from the default values, they should be connected/programmed one at a time.

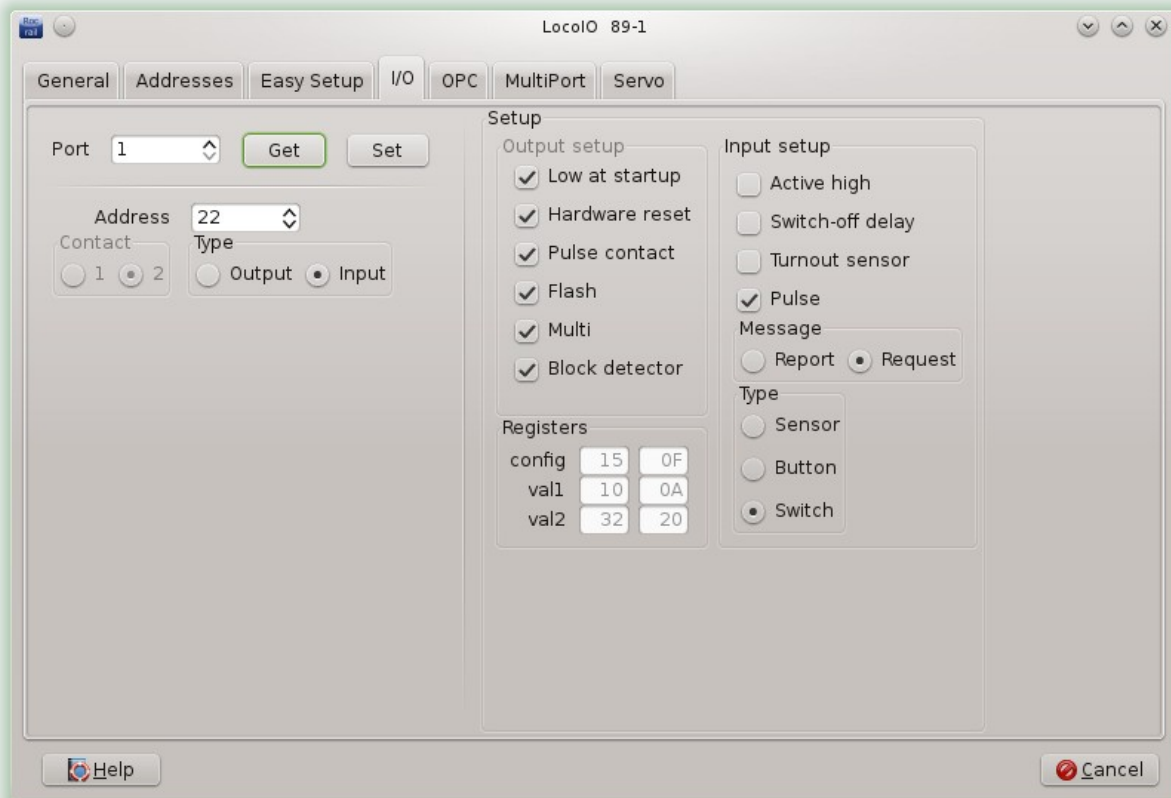
## 2. Change the board address

Select the General tab, change the low address (Sub should remain 1) and press Set



### 3. Change the sensor address

Go back in the address tab, press once again the Query button. The recently changed address should appear between the listed addresses. Select it (double click), change to I/O, select the Port 1 and read (Get) or reprogram (Set) the sensor address.



In my case, after reading the Port 1 I can see that the sensor has the address 22 and its type is input. All other fields are irrelevant and unused.

Done!