

1. Turn on Magnet power supply
2. All programs>National Instruments>Measurement&Automation
3. Devices & Interfaces>GPIB0 (PCI-GPIB)
4. Under connected instruments at bottom, select LSCI 647 (Model Number of power supply, currently is "Instrument #3"). 111198 is *[installation date?]*
5. Click communicate with instrument (top)
6. Look up queries to run in Magnet Power Supply manual (Model 620/622/623/**647**), page 4-11
 - a. RAMP1,{Start current},{end current},ramp rate (usually 1) [term]

Ramp rate should be entered in amps/second
(max amperage is 72, 50 amps is typical)
(Voltage max is 32V)

Sample: RAMP1,0,50,1[term]

- b. Hit query
- c. RMP1 (this executes the previous command)
- d. Hit query again, watch amps rise
- e. To ramp down,
 - Sample: RAMP1,50,-50,1[term] (flips field)
 - Sample: RAMP1,-50,-0,1[term] (ramps down)

Etcetera...