Channel Access Tutorials

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CA Tutorials

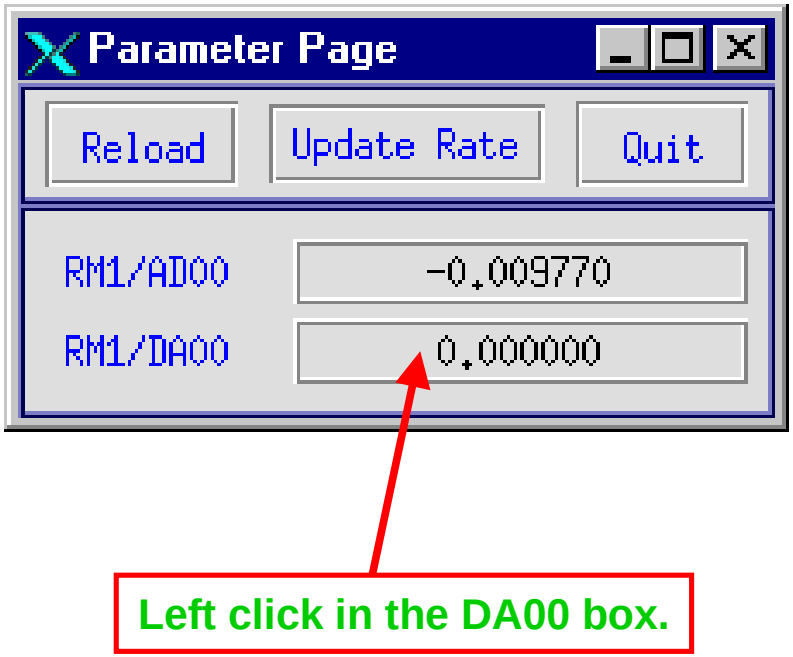
- caPython
- Parameter page
- Rack Monitor GUI

caPython

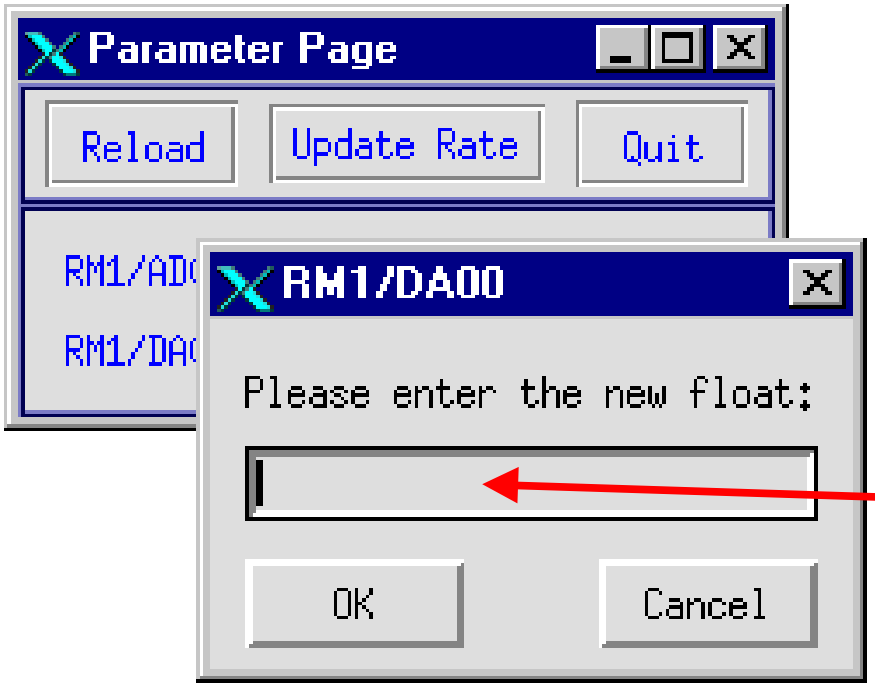
```
d02ka
21:d02ka:savage > python
Python 1.5.1 (#4, Feb  8 1999, 11:11:55) [C] on irix646
Copyright 1991-1995 Stichting Mathematisch Centrum, Amsterdam
>>> import ca
>>>
>>> ad = ca.connect('RM1/AD00')
>>>
>>> da = ca.connect('RM1/DA00')
>>>
>>> ca.put(da, -7.5)
>>>
>>> ca.get(ad)
-7.52290027216
>>>
>>> ca.put(da, 5.0)
>>>
>>> ca.get(ad)
4.99247018062
>>>
>>> del ad
>>> del da
>>>
>>>
>>>
```

Parameter Page ...

- Create an input file (myrm.dat). Include the lines:
  RM1/AD00 # ai record
  RM1/DA00 # ao record
- Start the parameter page application:
  > PP.py myrm.dat
- The parameter page appears:

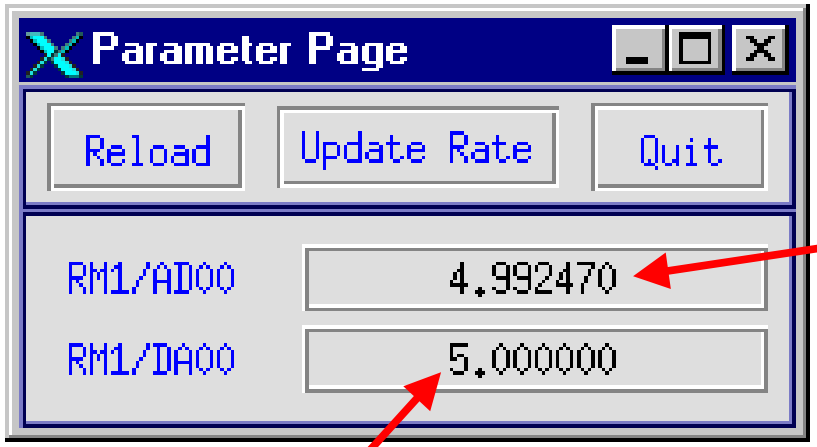


… Parameter Page …



- Enter the value in the text entry box. (-10 to 10)
- Left click “OK”.

... Parameter Page

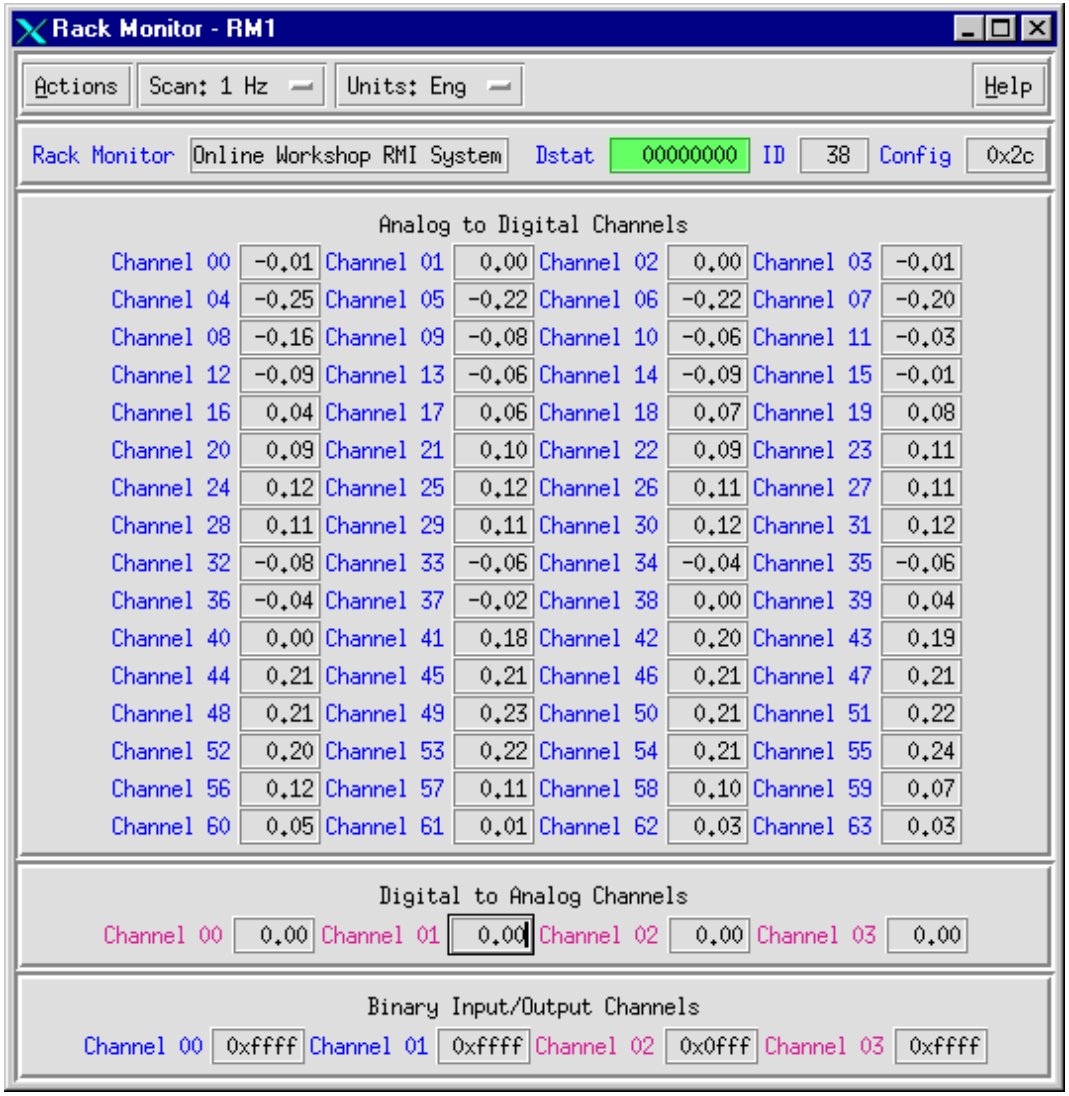


- The value appears a short time (~1 sec) later in the AD00 box.

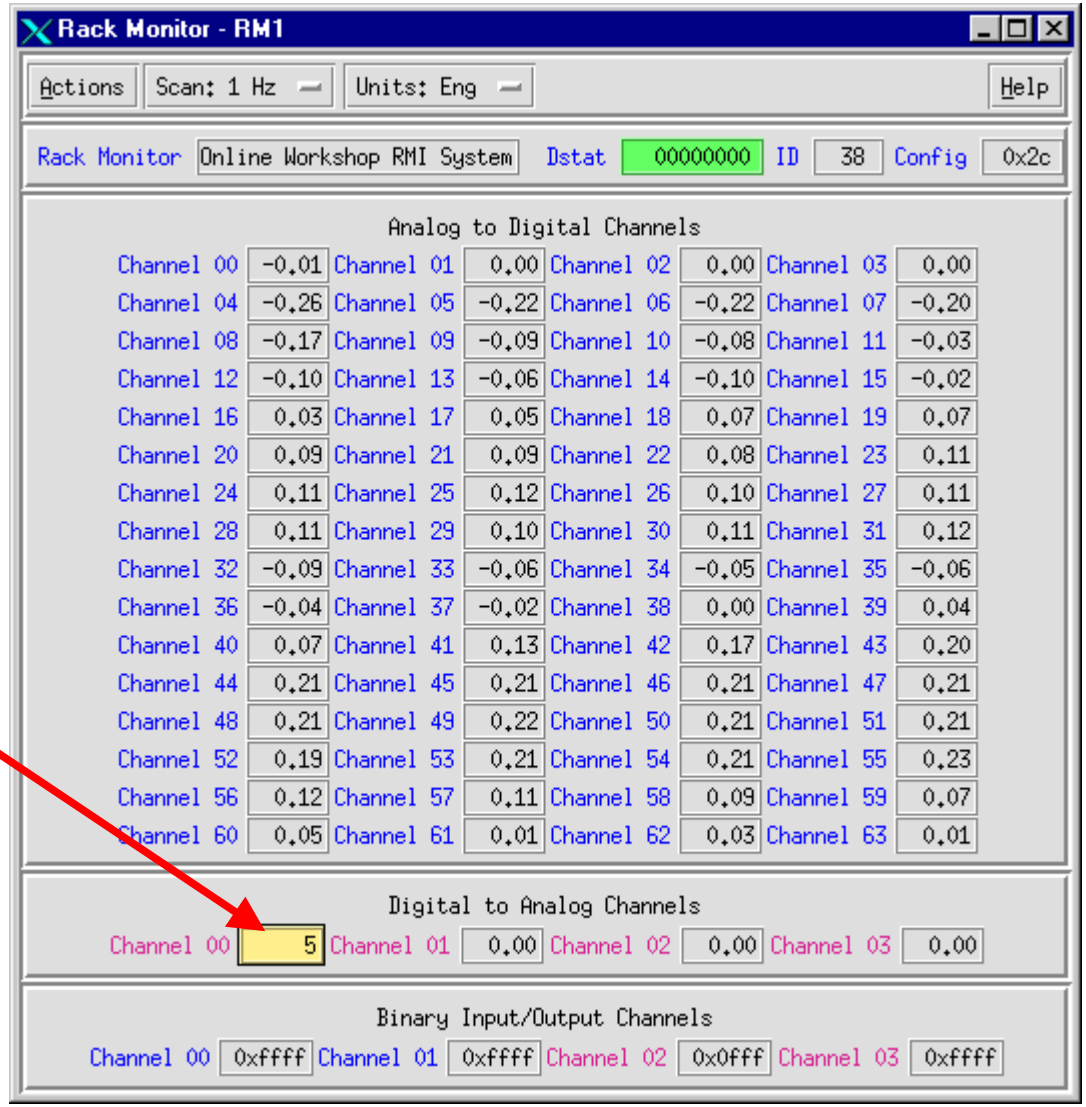
- The value you entered is displayed in the DA00 box.

Rack Monitor ...

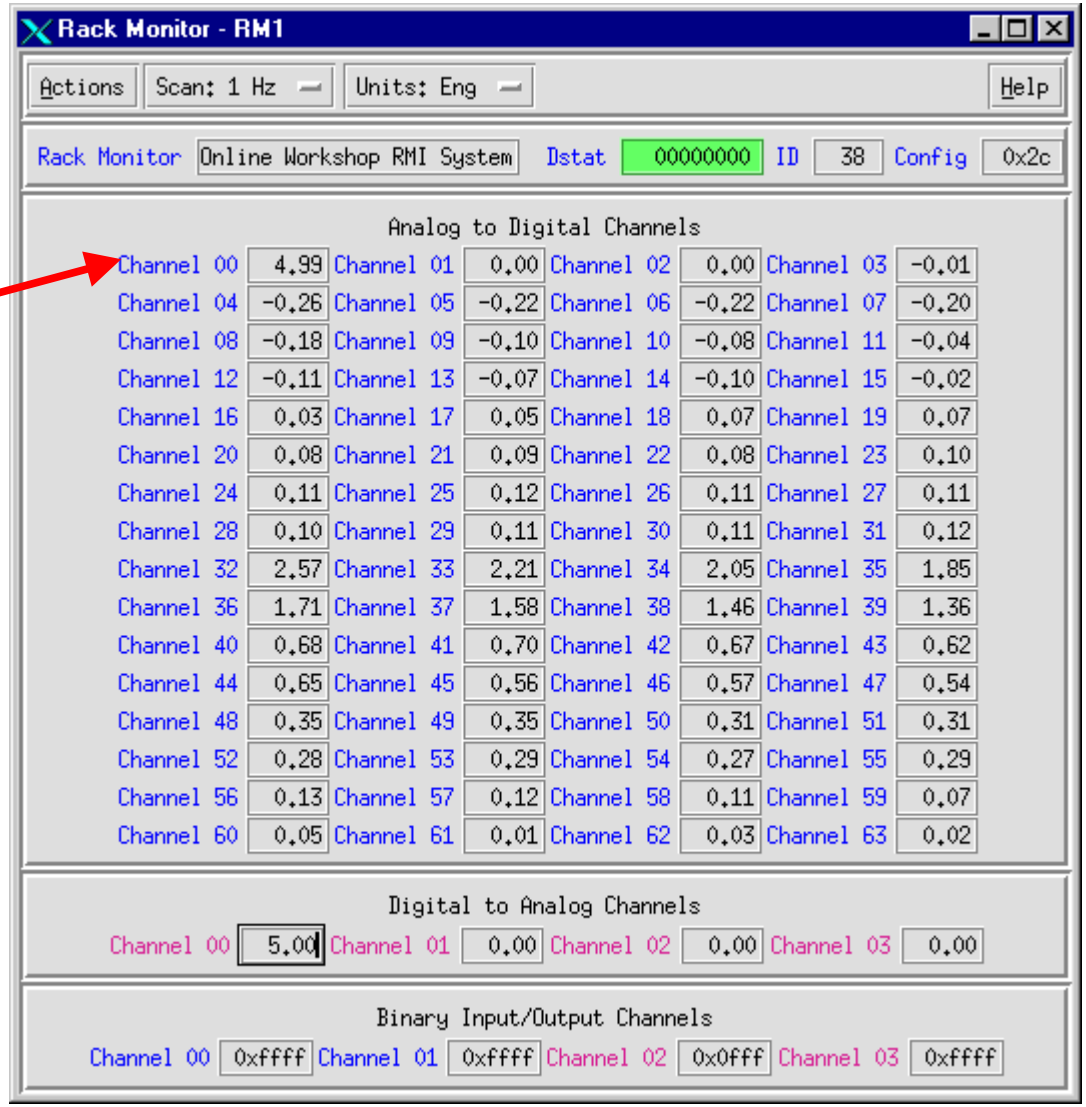
Start the rack monitor:
> Rm.py RM1 &



… Rack Monitor …



- **Left click on a Digital to Analog input.**
- **Enter the new value. (-10 to +10)**

… Rack Monitor

- The loop back value appears in the Analog to Digital channel.