

Resetting a VNMRS System (800, 600, or 500)

Occasionally you may encounter a situation where the “go”, “su”, “aa”, and other commands will no longer function properly. In order to resolve this problem you will need to reset the system. Below are step-by-step directions on how to do this.

Also, if power is ever shut down to the box that sits next to the magnet with the pre-amps and mixer, tuning will no longer work. The system must be reset with the procedure below to get tuning to function properly again.

1. Save the shims with the “svs” command. This is important, as the shims will all be reset to zero during this procedure.
 - a. Make a mental note of the lock level. At the end of the procedure the same lock level should be restored.
2. Exit vnmrj
3. Open a terminal and enter the command “su acqproc” and wait for the prompt to return
4. Open the console door that is on the far right side. For the 800 you may need to remove the door due to its close proximity to the desk. To do so simply open the door and lift the door upwards. It will slide off the hinges.
 - a. Press and release the RESET button on the MASTER controller. The MASTER controller is in the middle row on the far right side. It is labeled MASTER above the board. The RESET button is the black button just below the column of led lights and above the 9-pin connector.
 - i. After pressing and releasing the RESET button the system will re-initialize. This may take up to 30 seconds so be patient. Once all the lights start flashing about again the system is ready to go.
5. From the terminal window type the command “su acqproc” again and wait for the Execproc to start.
6. Start vnmrj
7. Load the shims that were saved in step 1.
 - a. Use the “su” command to initialize the shims.
8. Go to the lock window and check/adjust the lock phase as it may have changed during the procedure.

- a. Check the lock level. It should be returned to the original value.

NOTE: If resetting the system in this manner does not resolve the issue you are having you can try this procedure

1. Save the shims with the “svs” command. This is important, as the shims will all be reset to zero during this procedure.
 - a. Make a mental note of the lock level. At the end of the procedure the same lock level should be restored.
2. Exit vnmrj
3. Open a terminal and enter the command “su acqproc” and wait for the prompt to return
4. From the terminal enter su and enter the root password
5. Type /vnmr/bin/setacq and wait for up to 5 minutes for the system to reset
6. From the terminal window type the command “su acqproc” again and wait for the Execproc to start. If the message says that Execproc is stopping then run the command “su acqproc” again to restart Execproc.
 - a. Some versions of the vnmrj software do the su acqproc automatically and some don't.
7. Start vnmrj
8. Load the shims that were saved in step 1.
 - a. Use the “su” command to initialize the shims.
9. Go to the lock window and check/adjust the lock phase as it may have changed during the procedure.
 - a. Check the lock level. It should be returned to the original value.