

ST Robotics - help sheet 1d

Loading/Reloading controller software

Instructions for Mk5 controllers and ROBOFORTH II v13

How to load an updated version of ROBOFORTH II.

Load the new ROBOFORTH

1. Select COLD START using front panel switch and press reset.

The message COLD START should appear on the screen.

If you press enter key you should see OK.

2 Click on File then Load Binary. Change the values in the box to show:

bank 0

Start: 4000

Length: 6000

3. Enter file name that you were given for the new version e.g. R17V131.RAM

4. Enter ROBOFORTH

Check it first. (e.g. type START)

5. If OK enter PSAVE

If you think the robot parameters are corrupted reload as follows:

1. Click file, load binary. Change the values in the box to show:

bank 0

Start: A200

Length: 200

Pick file name that matches the serial number of your robot e.g. R17Cnnn.SIG.RAM

2. Briefly check correct installation by typing START and CALIBRATE and HOME

3. Enter USAVE to save to flash ROM.

How to make a backup of your RAM to disk:

1. Double click on ROBWIN icon Make sure that in settings, configuration, bank memory is checked.

2. Select COLD START using front panel switch and press reset.

The message COLD START should appear on the screen.

If you press enter key you should see OK.

3. Enter ROBOFORTH

4 Click on File then Save Binary. Change the values in the box to show:

bank 0

Start: 4000

Length: 5E00

4. Enter a file name e.g. R17V10.RAM or yourname.RAM

5. wait for blue progress bar. You have saved ROBOFORTH complete with the current calibration parameters for your robot.

Warning: do not make a backup until you have pressed the reset button which reloads RAM from flash ROM otherwise you will save any corruptions which may have occurred.

How to reload your RAM from backup file: (only do this if you are SURE the contents of RAM are corrupted as this is unlikely).

1. Double click on ROBWIN icon Make sure that in settings, configuration, bank memory is checked.

2. Select COLD START using front panel switch and press reset.

The message COLD START should appear on the screen.

If you press enter key you should see OK.

3 Click on File then Load Binary. Change the values in the box to show:

bank 0

Start: 4000

Length: 5E00

4. Enter file name that you were given with the robot or the name you used when you backed up as above

5. Enter ROBOFORTH

6. Briefly check correct installation by typing START. Don't load your entire project in case it corrupts memory for the next step.

7. Enter PSAVE to save RAM to flash ROM.