

Adding Input, Output or DSP Modules to your D/ESAM 8000

7/26/02 Software Version 1.5

To add Input, Output or DSP modules you will need a monitor, mouse, keyboard attached to the Desam8000 CPU frame.

The Vadis chassis, D/ESAM 8000 control panel and CPU controller should be powered on.

Exit the Desam8000 application and the Vadis application in that order.

Add or remove the modules you want in the Vadis frame. Use a Phillips screwdriver to loosen/tighten the screws to secure the modules. You can do this with the Vadis frame powered ON if you like.

Start the Windows NT Explorer. Click once on the Vadis directory on the C drive to open. Then double click on the *desam.cfg* file to edit with the Notepad application.

Scroll down until you see [**FRAME**]. This is where you will make your changes to add input, output, or DSP modules. Read the comments in the file and follow the examples.

NOTE: Board 0 in the CFG file is Slot 1 in Vadis frame
Board 1 is Slot 2, etc.

To delete a board, just type a “ ; “ in front of the word **BOARD**. To add a board, just cut and paste from the list of supported boards in the comment section. Remember to remove the ‘;’ (uncomment) at the beginning and make sure the “B” in BOARD is the first character. If your board requires a DESAMTAG, make sure it has the appropriate one.

To add a forth DSP board, just uncomment the four lines that are marked with a comment like “; Comment these 4 lines out if you have a 3 MPC card system”. After the changes have been made, save the file and exit.

On the desktop double click on DVCG (Desam Vadis Configuration Generator). This will rewrite config file. This takes only a fraction of a second to run, but shows the results for 10 seconds so you have a chance to see if any errors occurred. Normally, it should look like this:

```
Opening C:/vadis/desam.cfg for reading...
Writing C:/vadis/desam.cns...
Writing C:/vadis/desam.vds...
Writing C:/vadis/desam.mat...
Writing C:/vadis/desam.plc...
Writing C:/vadis/desam.rte...
Made backup of C:/desam8000/desam8000.ini called C:/desam8000/desam8000.bak ...
Writing C:/desam8000/desam8000.tmp...
moved C:/desam8000/desam8000.tmp to C:/desam8000/desam8000.ini ...
Copied C:/desam8000/Dvcg/temp.fmt to C:/vadis/desam.fmt...
Copied C:/desam8000/Dvcg/temp.fnc to C:/vadis/desam.fnc...
Copied C:/desam8000/Dvcg/temp.ini to C:/vadis/desam.ini...
Copied C:/desam8000/Dvcg/temp.tft to C:/vadis/desam.tft...
Copied C:/desam8000/Dvcg/temp.scr to C:/vadis/desam.scr...
dvcg.pl completed successfully.
```

If errors do occur, usually, DVCG will print an error that will help you figure out what is wrong. Edit the *desam.cfg* file to correct the problem and re-run the DVCG.

Now, start the Vadis application by double clicking the desktop shortcut. The large rectangular box in the lower right hand corner of the application window should display "OK". If it displays "FAULT" in red, click on it and move cursor to the top where the "1:" is. Double click on this to view the system configuration. If the configuration file is incorrect, you will see what board it is looking for and where the board actually is in the frame. You can then go back to edit the *desam.cfg* file, correct the problem and re-reun the DVCG.

If "Not Connected" appears in the Vadis application, make sure the Vadis frame is powered on and connected to the PC correctly.

It's also possible that the Vaidis application will put up a small error dialog box that says "Error reading *desam.cfg*: line 23" or something like this. If it's not obvious what is wrong, call us. If it IS obvious, edit the *desam.cfg* file to fix the problem and re-run the DVCG.

Once Vadis is displaying the "OK" in the system status box, you can start the Desam8000 application with the shortcut on the desktop, or just power cycle the PC since the applications are started automatically on power up.

Once the Desam8000 application is running, you may add Virtual Machines that use your new input cards. You will find the Virtual Machine list under the Maintenance, Virtual Machine menu in the Desam8000 application. The inputs are always in order of input module, left to right. So, for example, if you already had 32 inputs in slots 1-4, and you added an AESIN16 board in slot 5, then you new inputs would be 33-48.

If you have any questions, please contact Graham-Patten Technical support at:

Phone 800-422-6662
530-273-8412
Fax 530-273-7458