



Re-Commissioning DVC Master Modules

Introduction

This procedure should be used to regain use of a DVC Master Module (DVC10, DVC7 or DVC5) if the module Flash Memory becomes corrupt due to a power interruption during a BIOS/Application Program download or any other reason. The presenting symptoms include a module that will not communicate with a PC or other modules on the buss and the Module Status (MS) and Node Status (NS) indicators are flashing green alternately at a one second interval.

There are two procedures listed below as a guide to regaining control of a DVC Master Module. The procedures are for BIOS / Program Loader Monitor 4.0 and BIOS / Program Loader Monitor 4.2 and higher.

BIOS / PLM Version 4.0

Users must have a working DVC Module to establish RS232 communication with the Program Loader Monitor (PLM) before reprogramming an Un-Commissioned Master Module. If there is no working module available, the user must download and use the latest software revision release as well as the procedure for BIOS / Program Loader Monitor 4.2 and higher.

1. Connect the PC to a working DVC Module with the DVC using normal procedures and launch the PLM version 4.0.
2. When communication between the DVC and the PLM has been established, disconnect the working DVC and connect the non-working DVC.
3. Within the PLM, Select the DVC10 MASTER switch to open the Main DVC10 Screen. Reference Figure, 1 below.
4. Within the Main DVC10 Screen Select the Program Loader switch to open the Program Loader Screen. Reference Figure, 2 and 3 below.
5. Within the Program Loader screen, select the module to be programmed from the pull down menu in the upper left hand corner of the screen. Reference Figure, 4 below.
 - a. If the Serial Label on the back of the module does not have a box with “REV B” written between the model number and the serial number, select DVC-10 on the pull down menu.
 - b. If the Serial Label on the back of the module does have a box with “REV B” written between the model number and the serial number, select DVC-10B on the pull down menu.
6. Cycle Power and wait for the unit to enter programming mode signified by the red indicator on the programming loader screen turning green and the programming buttons to be active.

7. Cycle Power again and wait for the unit to enter programming mode signified by the red indicator on the programming loader screen turning green and the programming buttons to be active.
8. Select the Load BIOS switch and load the DVC10 BIOS version 4.0.
9. When the BIOS has finished loading, select the Load Application switch and load an application.
10. After the Application has loaded Cycle Power.
11. On the Main Screen, Figure 1 enter the word “victory” into the password field. The password level should change to 4.
12. On the Main DVC10 screen, Figure 2, select the Factory Information switch.
13. On the Factory Information screen in the same pull down menu as was on the Program Loader screen, select the same DVC10 model that was selected before downloading the BIOS / Program.
14. Select Send Changes
15. The unit should now be operational.

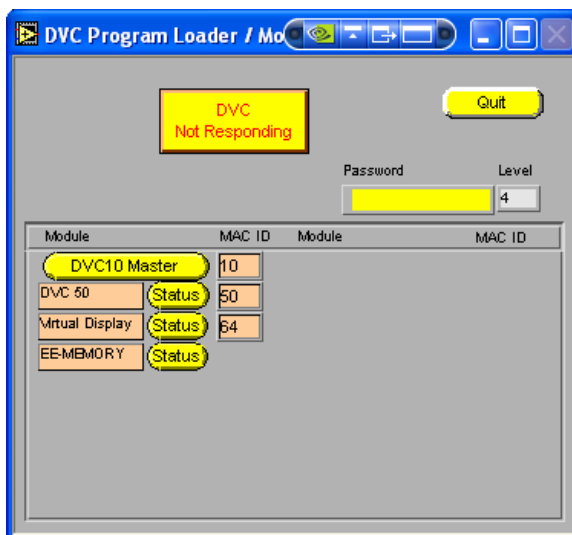


Figure 1

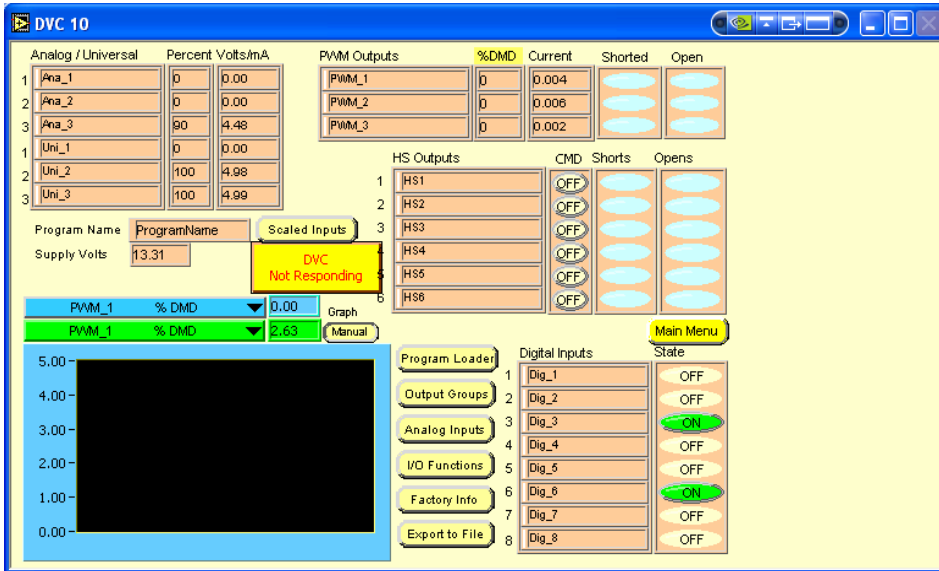


Figure 2

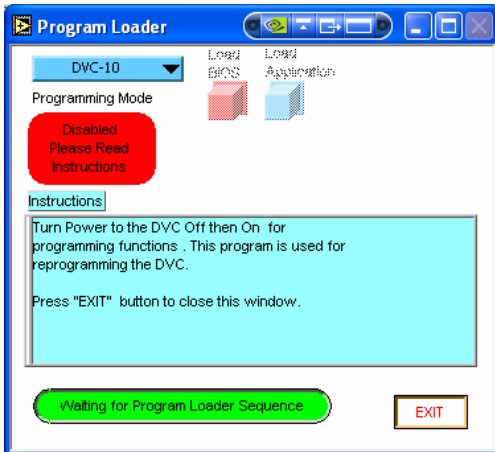


Figure 3

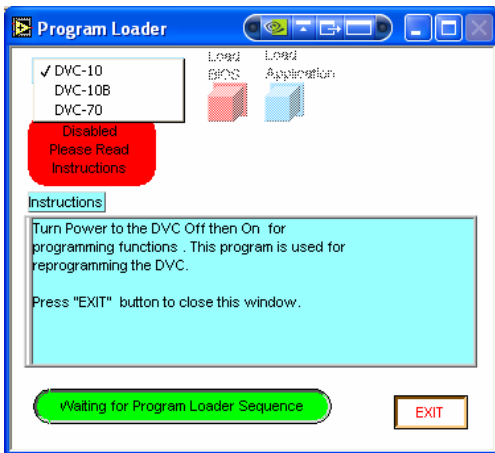


Figure 4



BIOS / PLM Version 4.2 and Higher

This procedure should be used with PLM version 4.2 and higher.

1. Within the PLM, Select the DVC10 MASTER switch to open the Main DVC10 Screen. Reference Figure, 1.
2. Within the Main DVC10 Screen Select the Program Loader switch to open the Program Loader Screen. Reference Figure, 2 and 3.
3. Cycle Power and wait for the unit to enter programming mode signified by the red indicator on the programming loader screen turning green and the programming buttons to be active.
4. Select the Load BIOS switch and load the DVC10 BIOS version 4.x.
5. When the BIOS has finished loading, select the Load Application switch and load an application.
6. After the Application has loaded Cycle Power.
7. The unit should now be operational.