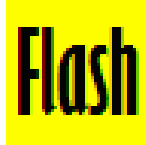
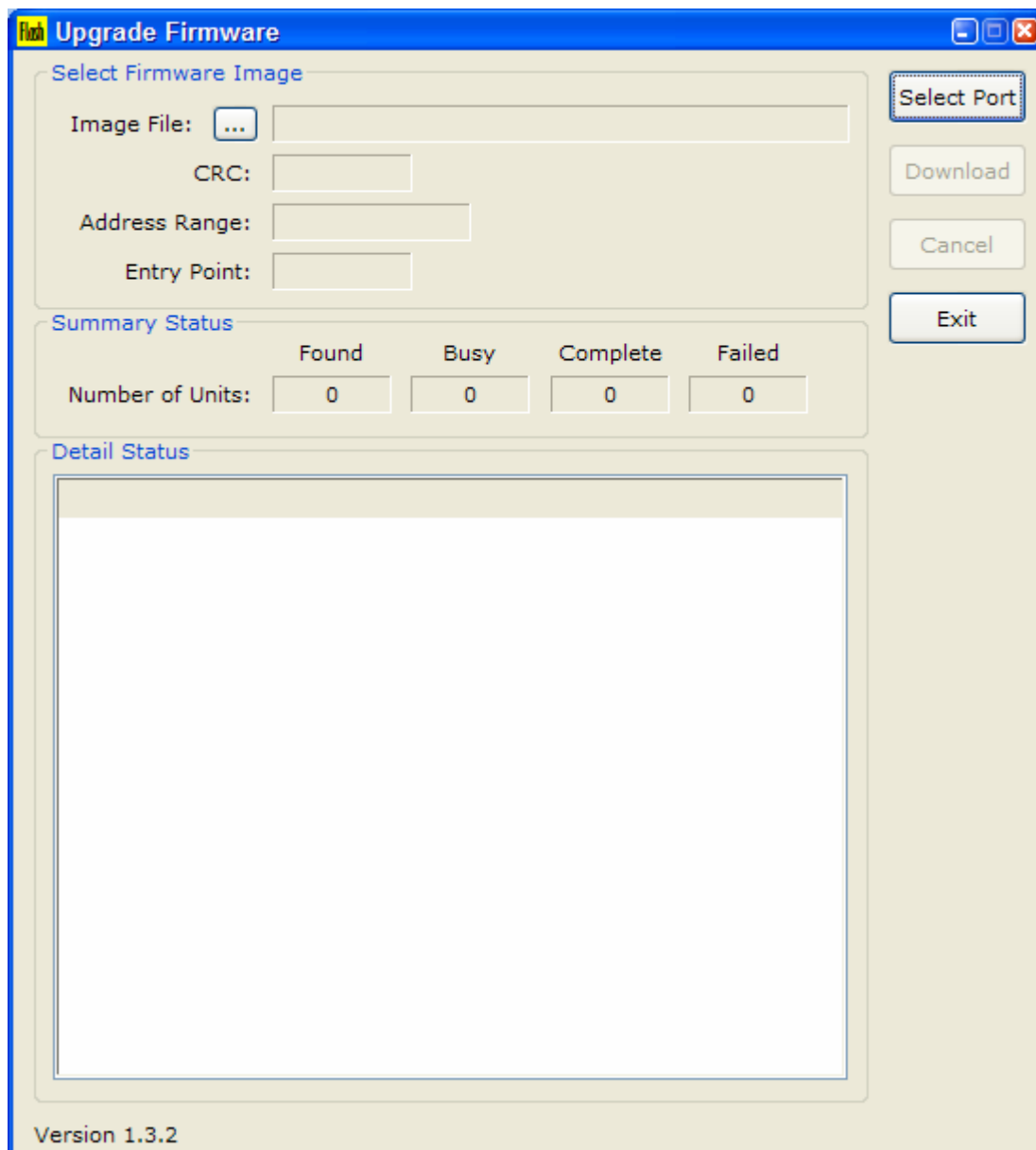


Flash Tool Walkthrough

The Flash tool is used to upgrade the firmware on an LDM unit. It uses the service terminal port to erase the old firmware, copy the new firmware and reboot the unit. To start the Flash tool, click on the Flash icon:

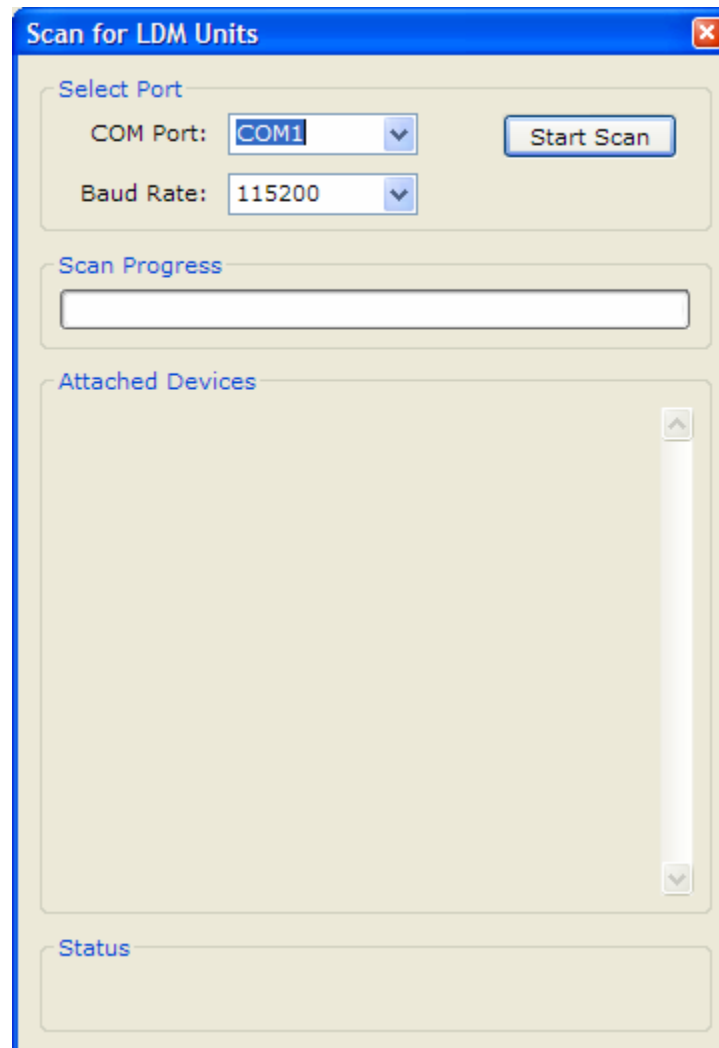


And it will bring up the following screen. The default buttons have been selected so you can just hit the Enter key to go to the next step. Or, if you prefer, you can use the mouse to click the buttons.

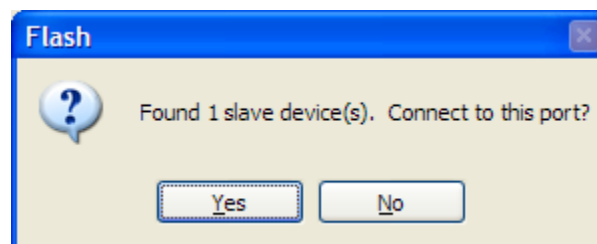


	Found	Busy	Complete	Failed
Number of Units:	0	0	0	0

First, press "Enter" or click the "Select Port" button in order to select the serial port you will use to connect to the LDM. This will open the connection dialog box, shown below:



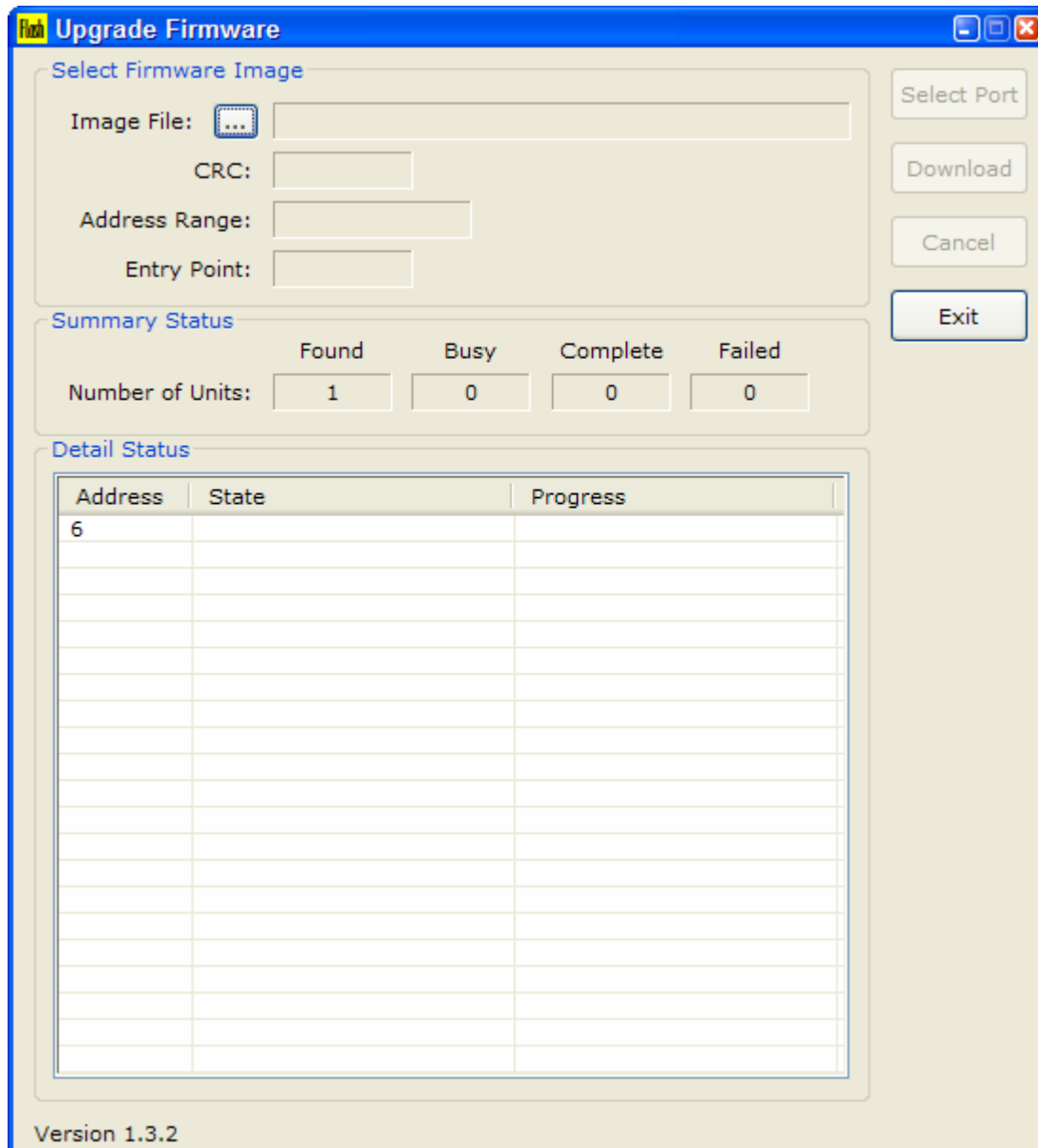
Select the COM port from the drop-down list. You should always leave the Baud Rate at 115200. Then press "Enter" or click the "Start Scan" button to check for a connection to the unit. If you have selected the correct COM port, attached a serial cable to the unit and powered the LDM on, you should see the following screen:



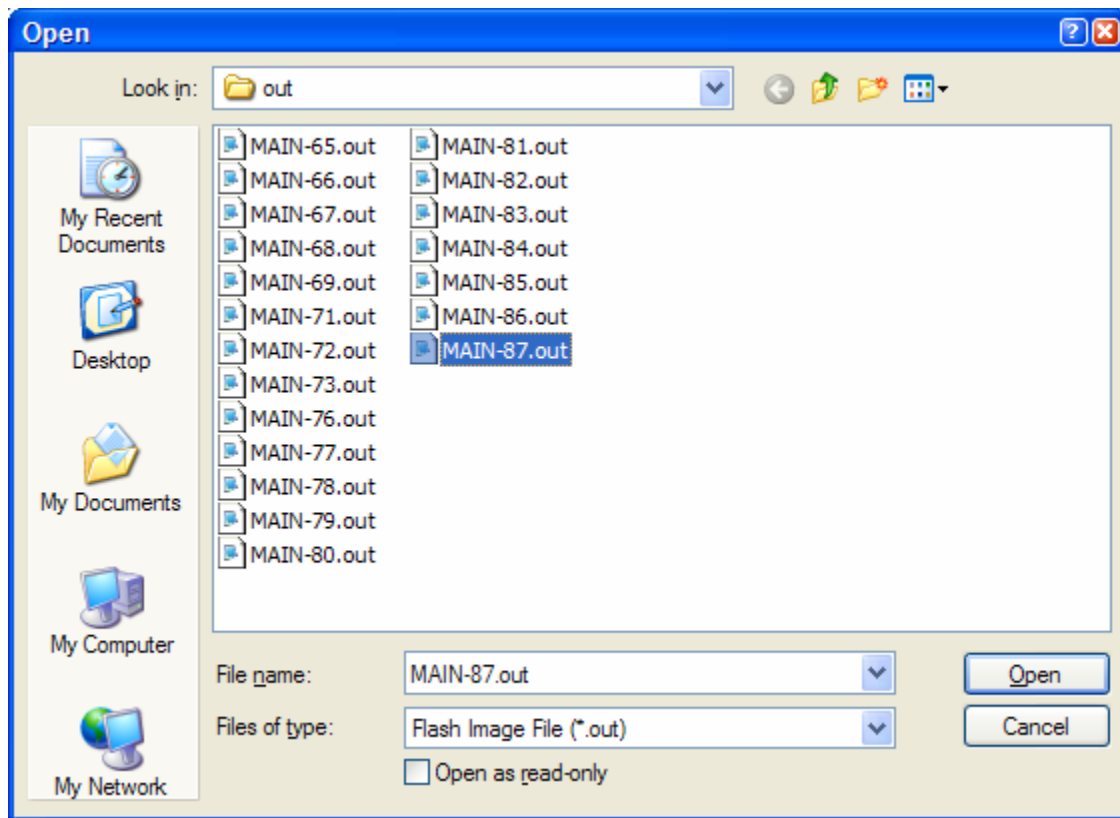
Press "Enter" or click "Yes" to continue. If, however, you have selected the wrong port, used the wrong kind of cable or failed to power up the LDM you will see the following screen:



Press "Enter" or click "OK" to return to the connection dialog.



The next step is to select the firmware image, the ".out" file that you want to download. To select the image file, press "Enter" or click the browse button labeled "...". It will bring up the following "Open File" dialog box:



You can change directories using the icons and the drop-down list or you can type the full file name including drive letter and directory name into the "File Name" box. When you have selected the image file you want to download, press "Enter" or click "Open".

The program will load the file and display the statistics in the main dialog, as shown below:

[illegible]

To proceed with the upgrade, press "Enter" or click the "Download" button.

First the program will erase the old image:

[illegible]

Then it will write the new image:

[illegible]

When it has completed burning the new image, it will restart the unit. The “Summary Status” box will show that the upgrade has completed successfully.

[illegible]

You are finished upgrading the firmware for this unit. You can now press "Enter" or click the "Exit" button to exit the program.