

Firmware Upgrade for UDB-9400 Deck Unit Using Qlarity Downloader, Procomm Plus and TeraTerm Pro

Qlarity Downloader (Teledyne Benthos Preferred Method)

1. Ensure the deck box is powered off and do not power the unit on until specifically instructed to do so.
2. Ensure the UDB-9400 battery is fully charged or uninterruptable AC power is present.
3. Open the QlarityDownloader.exe program.
4. Connect a serial cable to the COM2 port of the deck box.
5. Within the downloader PC application, select the "Serial" tab and set up the PC's serial communications to be 115200 8-N-1. You must select the communications port that is available on your PC. See Figure 1.

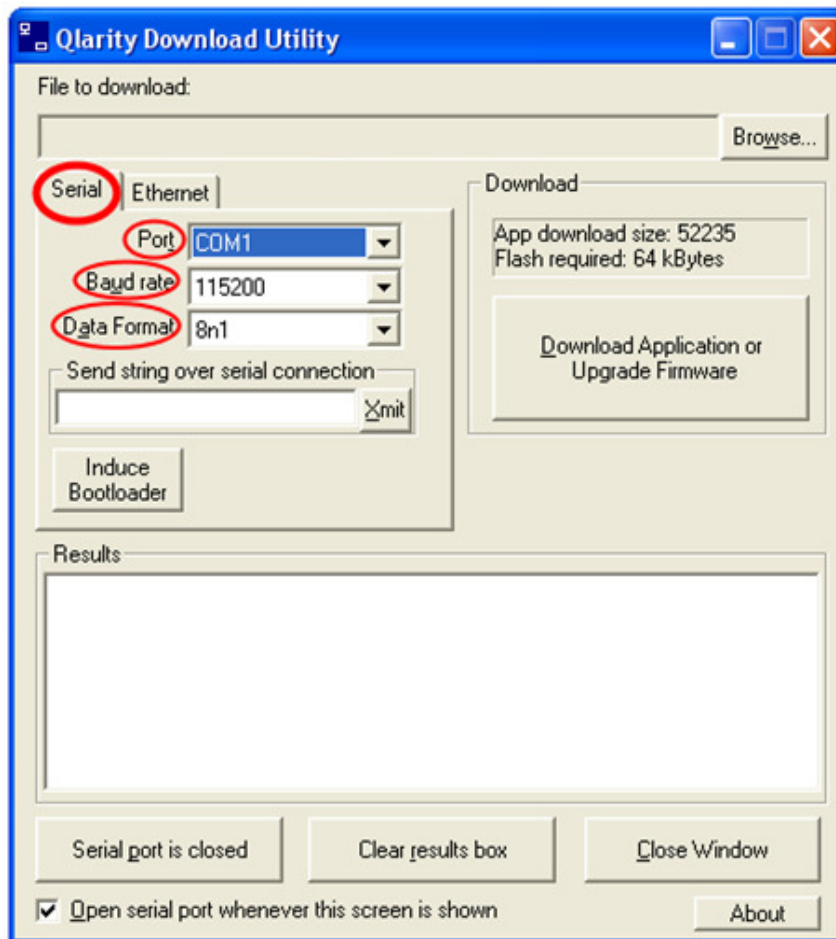


Figure 1

6. Using the file browser, select the new firmware (.bff) file to be uploaded to the display unit. The .bff file is included in this package in the folder that starts with “S-270-69...” or “S-270-70...”. See Figure 2.

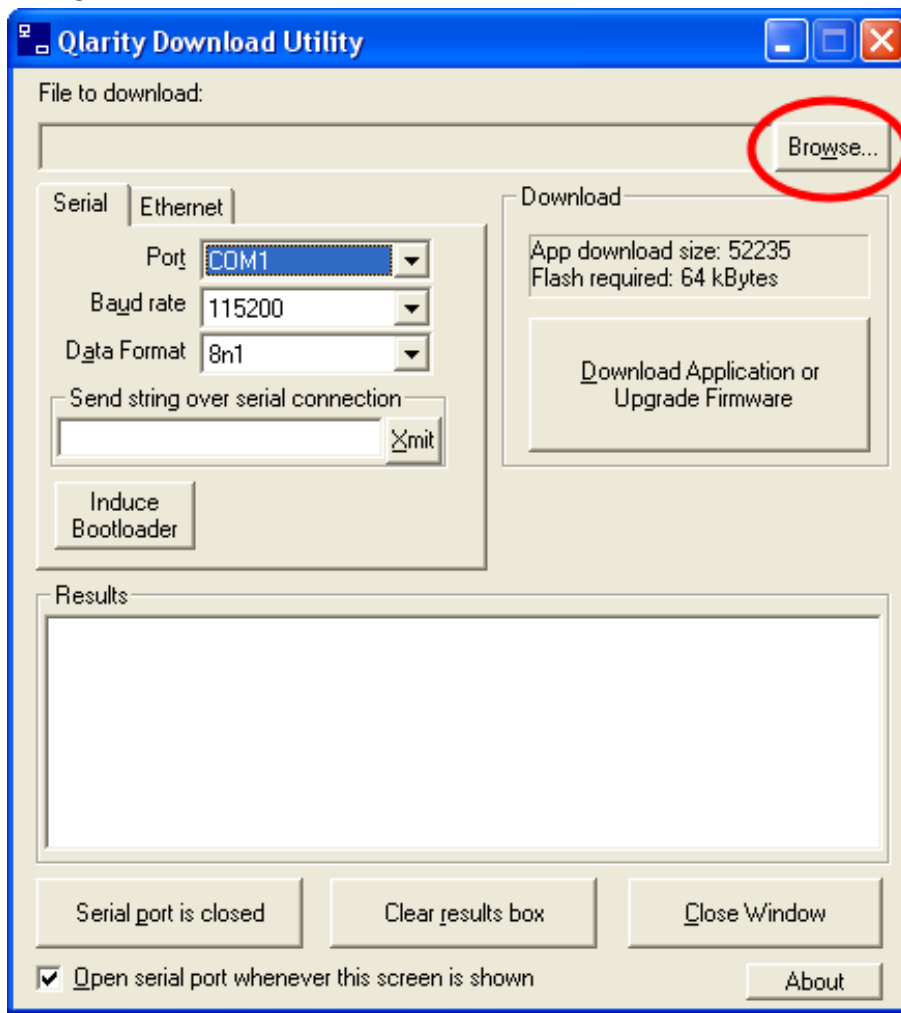


Figure 2

7. Click the “Induce Bootloader” button within the QlarityDownload application. Please see Figure 3. You will see a pop-up window saying “Entering bootloader. Connect the unit and cycle power.”

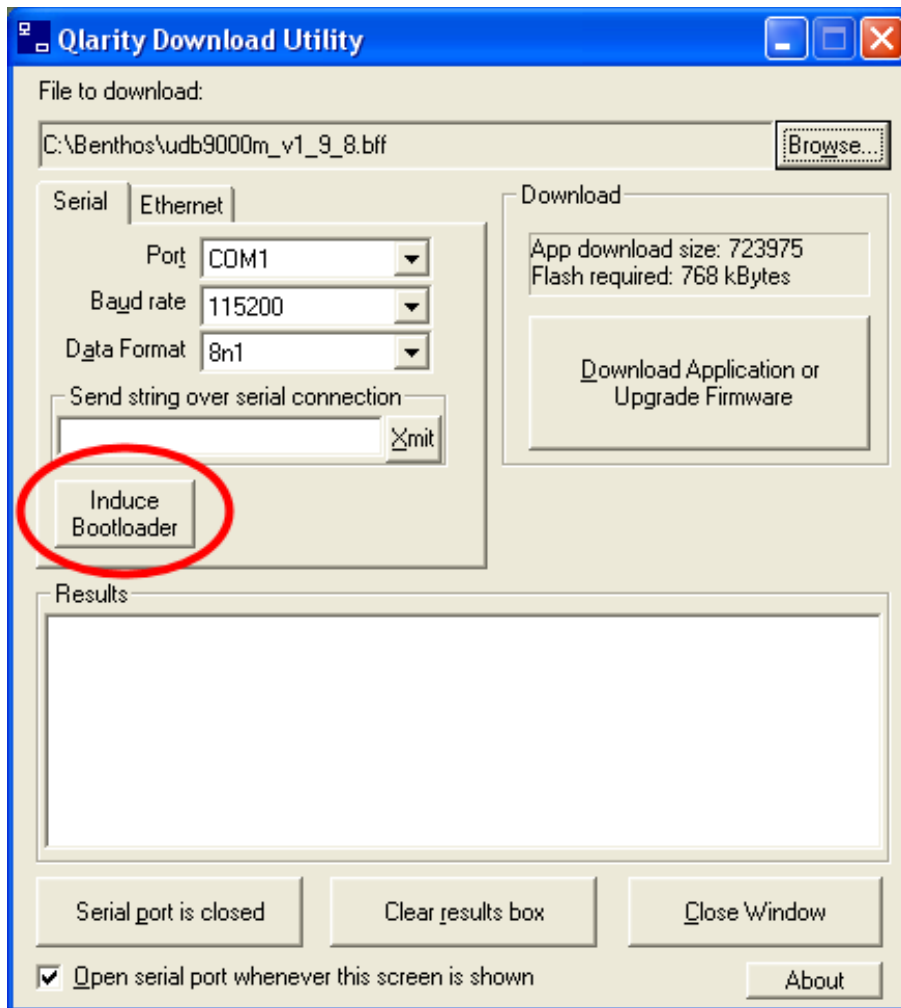


Figure 3

8. Power on the deck box. It should display a solid black screen and the “Results” window of the PC application should indicate that the QSI boot loader has been entered. See Figure 4.

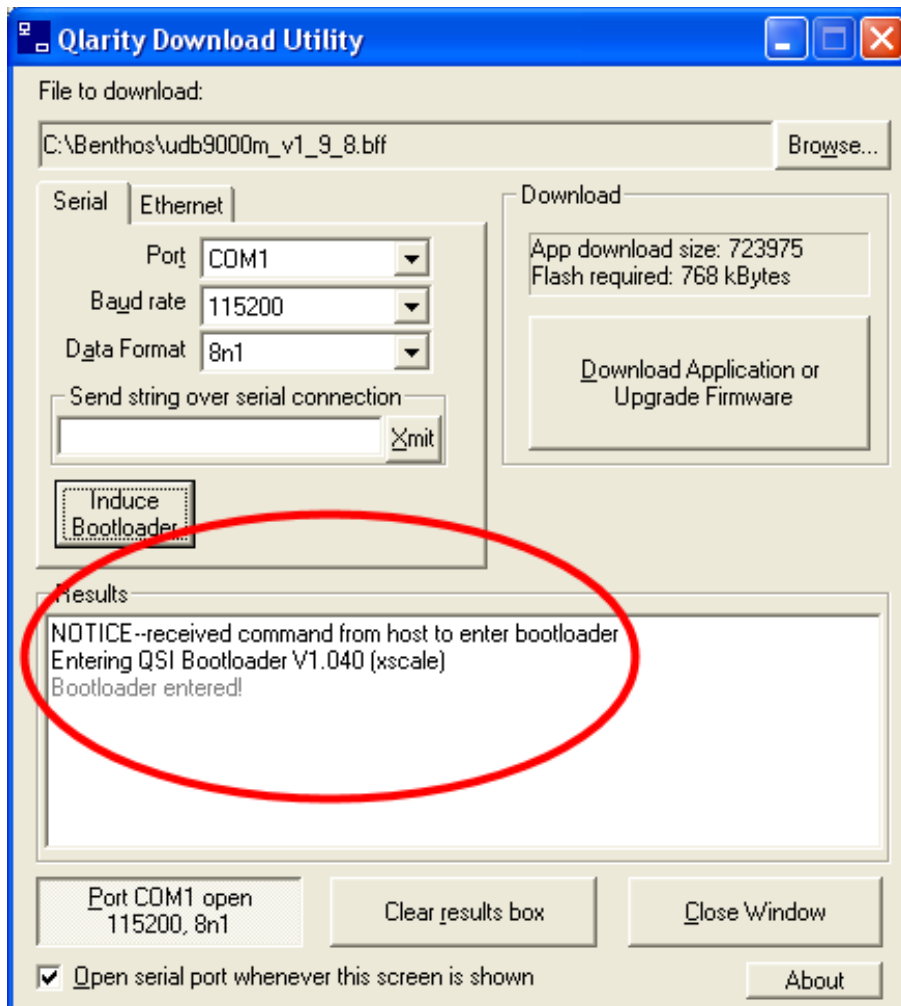


Figure 4

9. Click “Download Application or Upgrade Firmware” on the PC application. See Figure 5.

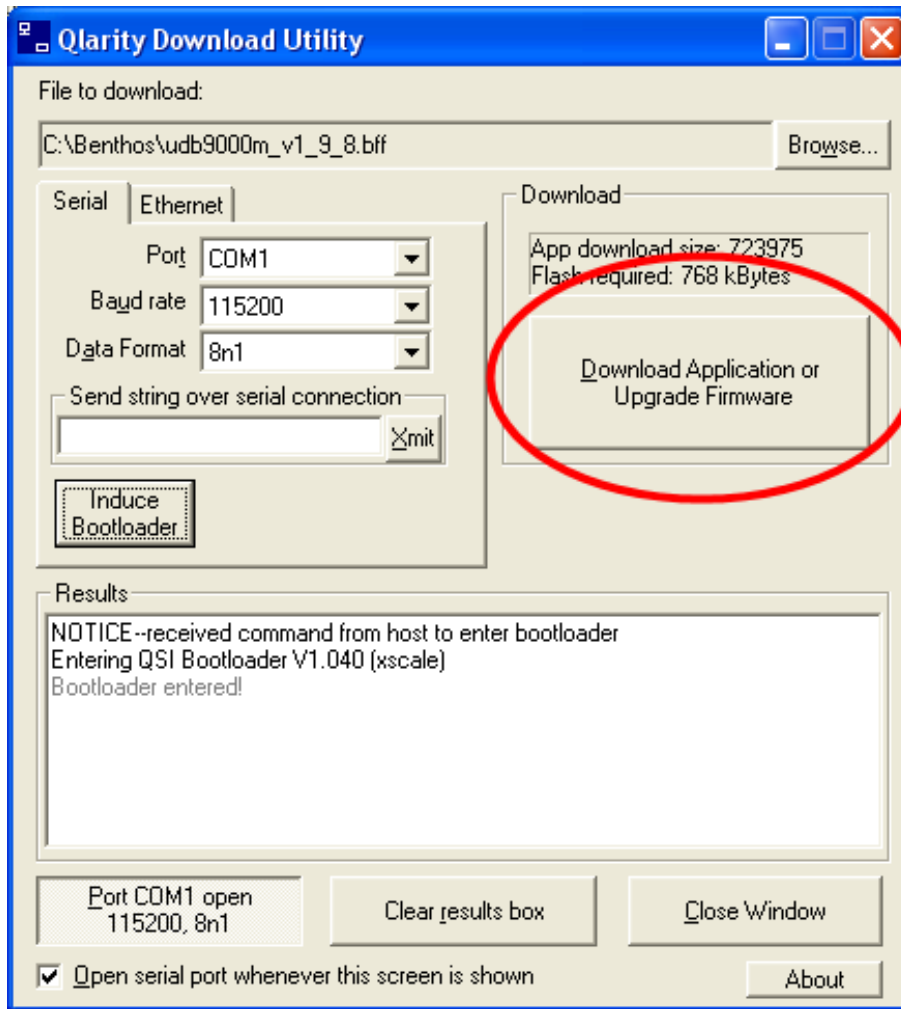


Figure 5

10. The new QSI firmware will be sent down to the display unit and programmed into flash.
11. When the UDB-9400 reboots you will see the display update the modem firmware. Once this process is complete the unit is updated. Remember, do not power off the UDB-9400 until this process is complete.

Procomm Plus or TeraTerm Pro (Alternate Method)

1. Ensure the UDB-9400 battery is fully charged or uninterruptable AC power is present.
2. Using the touch screen on the UDB-9400 press the Display button on the right hand side. See Figure 6.

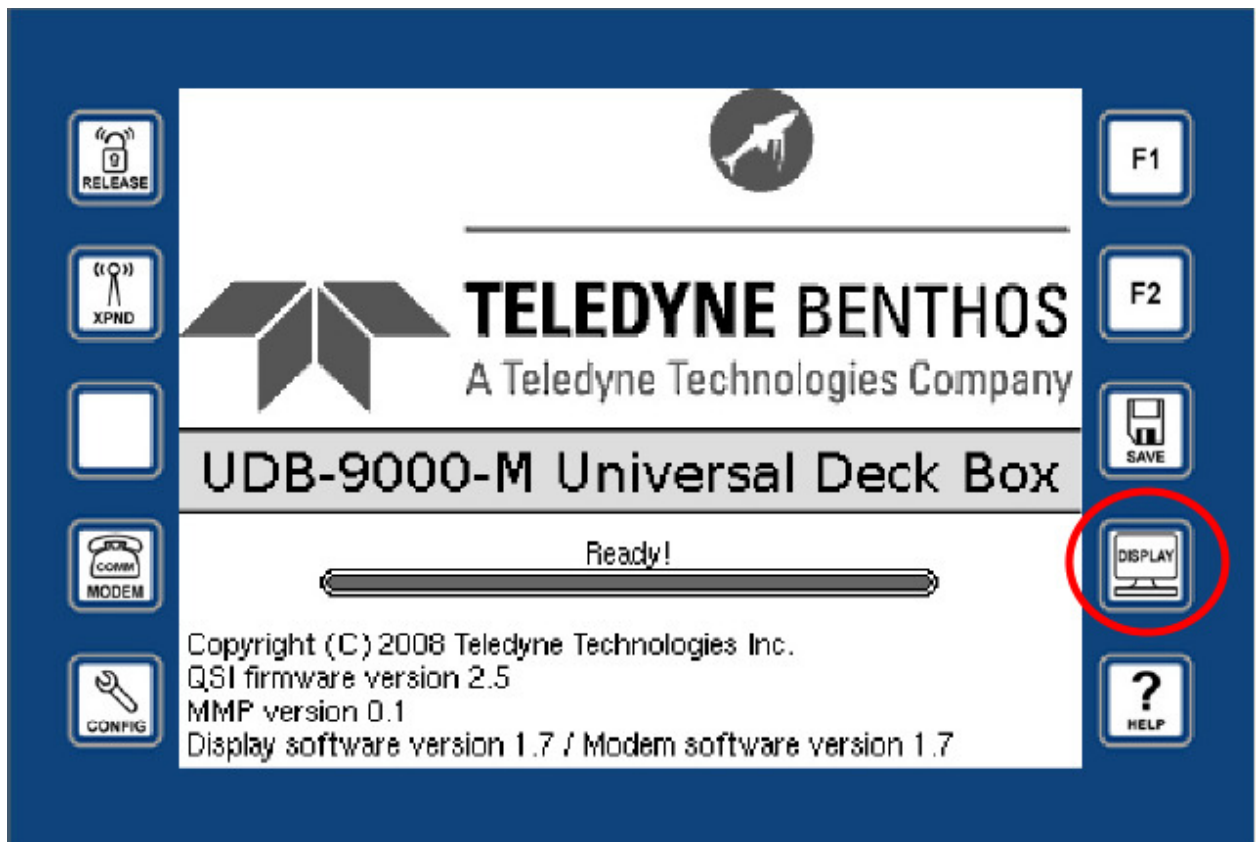


Figure 6

3. Press the update Firmware button in the bottom left hand corner. See Figure 7.

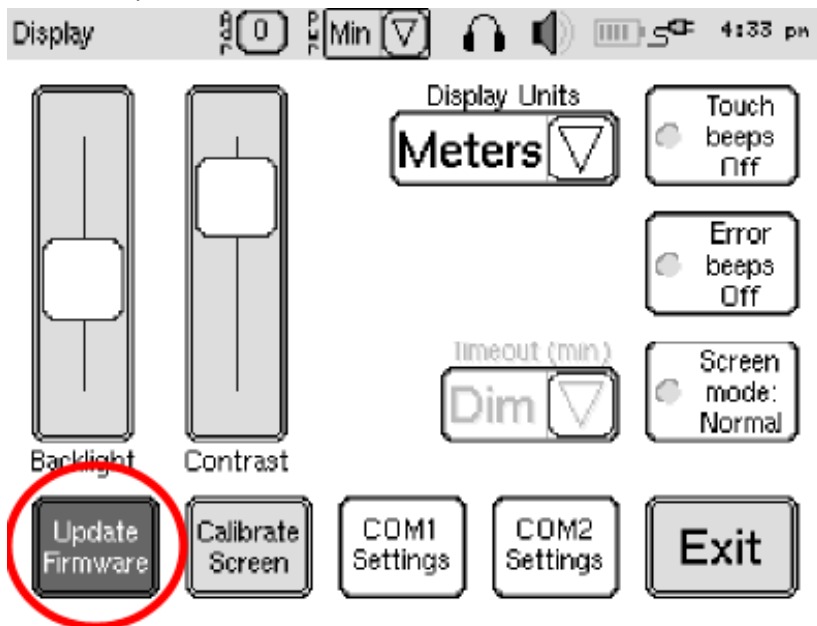


Figure 7

4. Follow the on-screen instructions.

Note: The Procomm Plus or TeraTerm Pro settings must be:

Baud Rate:	115,200
Data Bits:	8
Parity:	None
Stop Bit:	1
Flow Control:	None
Transfer Method:	RAW ASCII