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Serial Line Software Upgrade Procedure for VuLink™

1. Navigate to the nk.bin file located on the VuLink CD and save it to your PC hard drive.

2. Connect a serial cable from the VuLink Port A (upper connector) to your PC COM 1 port.

3. Start HyperTerminal on your PC by selecting Start/Programs/Accessories/Communications/ HyperTerminal. Double-click the **HyperTerm** icon and create a name for the connection (e.g. vlinkconn).

4. In the Connect To window, select **COM 1** from the Connect Using drop-down list. Do not enter any details in the Country/Region, Area Code or Phone Number boxes. Click **OK**.

5. The Com 1 Properties window will open. Set the communications settings to 57600 baud, 8 data bits, 1 stop bit, no parity, no flow control and click **OK**.

6. Switch on VuLink and simultaneously hit any key on HyperTerminal to bring up the VuLink Loader menu in the HyperTerminal. If the Loader menu does not display properly, switch off VuLink and try again.

*Note: To use serial line procedure, VuLink Loader must be at Version 7.0. If you are not using 7.0, press the 3 key (**Download Loader over serial, copy to flash**). Select **Transfer / Send File**. Select **1K Xmodem** as the protocol and the loader.bin (located on the VuLink CD) as the file. When finished (approx 15 seconds), power VuLink off and on.*

7. When the menu is loaded, select **Option 4 (Download image over serial, copy to flash and run)**. When the cursor starts to print C's to the screen, select **Transfer** from the menu bar and then select **Send file**.

8. A browse window will open. Locate the **nk.bin file** and click **OK**. The file transfer will begin. The transfer should take approximately 27 minutes.

Once the transfer is complete and the HyperTerminal has finished processing commands, restart the VuLink. Press the **Info** button on the remote control to confirm the new release version.

Troubleshooting

If the firmware loader failed the first time (verified by pressing **Info** and reading version on the GUI display), set the unit to factory default and retry the upload.

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