BLACK BOX®
NETWORK SERVICES

1.0 Scope: This procedure is intended to upgrade an KV171X with the latest revision of boot and application code without using Octoware.

2.0 Equipment:

- ➢ 1 PC Running HyperTerminal
- ➢ 1 Null modem cable.
- ➢ 1 KV171X (bootloader 38 or higher)
- ➢ 1 Monitor
- ➢ 1 Keyboard

3.0 Setup:

The following setup is shown is Fig 1.
1. Connect Com1 of the PC to the KV171X via a null modem cable.
2. Connect the monitor and keyboard to the KV171X.
3. Open HyperTerminal on the PC and set the baud rate to 57600 bits/sec, data bit 8, Parity none, Stop bits 1 and flow control none.

4.0 Procedure:

1. Type "bl" on the command line of the KV171X.
2. You should see the message "boot loader called" in the HyperTerminal screen.
3. After about 3 seconds you should see a menu.
4. Follow instructions in note 1 below to retrieve the files from the *.bbx file which will be on the FTP site.
5. Select no. 1 for upgrade of the KV171X. Select transfer and send, ensure the protocol is set to Xmodem.
6. If you need to upgrade the boot code you must upgrade this first. So select the "aupboot" file. This will take approximately two minutes to upgrade.
7. After the down is complete you will get a message on HyperTerminal telling you the upgrade was successful and the menu will appear again.
8. Select no.1 again and follow steps 5 and 6 but use the "aupapp" file to upgrade the application code. This will take 5-6 minutes. The OSD will appear back on the monitor when the upgrade is complete.
9. You can verify the new revisions by going to the help on the OSD of the KV171X and going to the end of the help file.
10. If you only need the application code updated skip steps 5 to 7 and continue from step 8.

Note 1: **How to retrieve the correct file for the FTP site for the procedure:**
1. Go to the FTP site and copy the relevant *.bbx file.
2. Rename the file *.tar.
3. Open the *.tar file using winzip.
4. Extract the files named "aupapp" & "aupboot".
5. These are the files to be used with "aupboot" used as the boot file and "aupapp" as the application file.
6. You must upgrade the application code after the boot.