March 2006

Product: **M15**

Subject: **Firmware Upgrade Procedure**

1. Download and unzip the attached Upgrade file to a new folder on your desktop. i.e. M15 FW Update
2. Start with the M15 turned **OFF** via the rear-panel power switch.
3. Connect M15 to PC via a serial (RS232) cable. If your computer does not have an RS232 port, then use a USB to Serial adapter.
4. While holding down the **TAPE MON** & **DEFEAT** buttons on the front panel, turn the unit **ON by the rear-panel power switch**. The VFD will display **ready to download . . .**
5. Launch upgrade program: "***Fieldload 1.11 exe***".
6. Select the com port where the M15 is connected. Usually, this will be COM1, but if you are using a USB to serial adapter, it may be different.
7. Press the [test link] (test link) button. If the unit is connected to the correct com port, the program will respond with a "**link ok**" message.
8. Press the [download] (download) button. The program will download the new default M15 front panel file "**default.fpp**" and indicate "**write complete**" when finished.
9. The program will then download the new default M15 loader file "**default.ccc**" and indicate "**write complete**" when finished.
10. Turn **OFF** the M15 by the rear-panel switch and close program "***Fieldload 1.11 exe***"
11. At this point, the unit is fully upgraded.
12. To verify the new software version, turn **ON** the M15 via the rear panel power switch and take the unit out of standby. Then press **VIDEO** and **AUDIO** simultaneously. The new software version will display on the VFD for 3 seconds.
13. Press the **AUDIO** + **DIGITAL** buttons on the M15 simultaneously. The VFD will show "**AH RESET DONE**". When prompted by the VFD, power off from rear panel mains switch and back on. The M15 is now fully reset to factory settings.

To receive the Latest M15 Firmware Update program, please contact Lenbrook America Tech support at 1-800-263-4641, ext 4342 or 4445.

Contact:
Bob Moran
Lenbrook America
Ph: 1-800-263-4641 ext 4342
Fax: 1-800-263-1555
www.nadelectronics.com