

# #5453

## ***Upgrading Firmware***

***October 22, 2004***

### **Purpose**

This application note is intended to guide the user through a successful firmware upgrade. It is intended for users who have read through the User's Manual and are familiar with the basic operation of FreeWave radios.

### **Pre-requisites**

1. Make sure that Diagnostics is set to 0. (MultiPoint Parameters Menu)
2. The firmware upgrade file must correspond to the family of radio that is being upgraded.

### **Basic Execution of a Firmware Upgrade**

1. Double click the executable file and a command prompt window will open that looks like the one in Figure 1.
2. Verify that the Com port settings at the bottom left of the screen are correct. If not, they can be changed by pressing **3**.



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Phone: (303) 444-3862, Fax: (303) 786-9948, [www.freewave.com](http://www.freewave.com)  
LAN5453AA Rev A*

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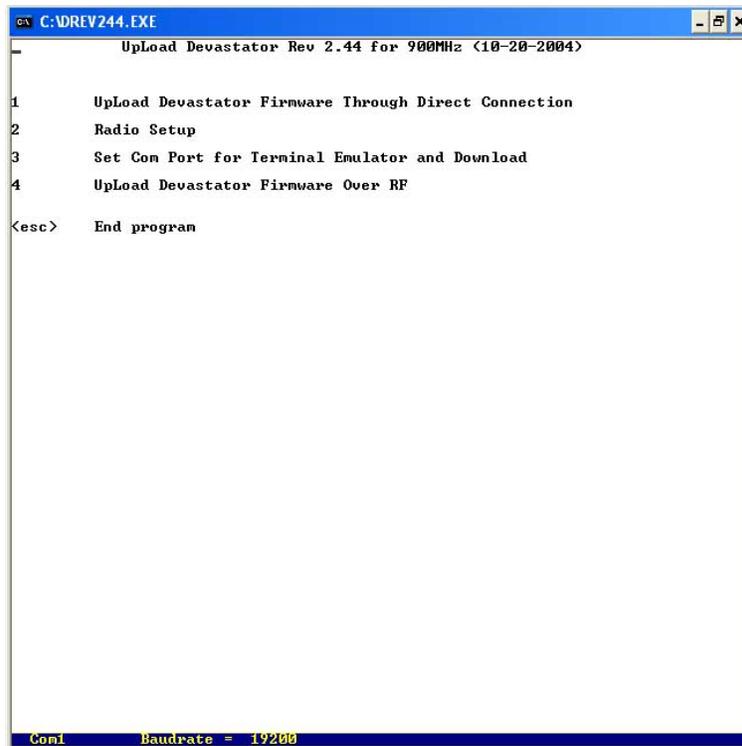


Fig. 1

3. Press **1** to Upload Firmware.
4. If the radio is connected to the computer via a diagnostics cable, press **Y**, else press **N** and **ENTER**.
5. Press **Y** if LEDs are all green. If they are not, place the radio in setup mode and then press **Y** and **ENTER**.
6. Click **Y** when prompted for High Speed Download.
7. The screen should look similar to Figure 2. It will consist of numbers and letters going across the screen. If the programming pauses, press Enter to restart the process.

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```
C:\DREV244.EXE
Download New Firmware to Radio
Enter Y for Diag Port, N for data port, <Return> to Quit y
Radio in setup? (Y,N, or Return to Quit) y
High Speed Download (use with caution and FIFO enabled) (N (default), or Y ) y
Waiting for Radio ID
Radio Serial Number is 9116213
Waiting for erase
Starting Download

97          53          68          AC
68          AC

If Programing Pauses, Press <Enter> for Retry
3959  FPB0  16

Program Time is 61.31 S
Hit any key to return to main menu
```

Fig. 2

8. When the program displays the Program Time, it means that the upgrade has finished. Hit any key to return to the main menu. To verify that the proper code was loaded into the radio, press **2** and then put the radio in setup mode. Under main menu and next to version, the new version number should be displayed. If not, repeat the process or contact FreeWave's Technical Support. Press **Q** to escape then press ESC to exit the program.

