

Model 2020 MkIII Brilliance Upgrade

September 1, 2004

Purpose

This is a bug fix for the Brilliance control of the Pre-Emphasis Limiter. Only Mk3's that have a pre-emphasis limiter will be affected. The Brilliance control was not being transferred correctly upon power-up and preset recall. The effect would usually be a duller sound than was saved to presets. It affected the factory as well as user presets.

Update

The solution is supplied with corrected firmware that spans both the EPROM and flash memories. You are supplied with a new Boot EPROM and software to download the new flash code into the Mk3.

Save Your Presets

Your existing user presets will all be erased upon installing the new flash code. You can save your user presets to your computer by using the PC FMPRO remote control program, then you can later load them back into the updated Mk3.

Procedure

1. Remove the Mk3 from service and place on work-bench.
2. Remove the top cover. 18 screws must be removed, including two that are located at the top of the front panel.
3. Locate the EPROM at the front of the unit as shown in figure 1. Replace it with the new version 3.01 EPROM.
4. Connect the Mk3 to a PC using a NULL MODEM cable.
5. Run the update.exe program from the V3.02 Flash Update floppy.
6. While holding down the ENTER and ESCAPE buttons on the Mk3, turn on the power switch. The Mk3 will start up and connect with the PC. The program will take over and install the new flash code. Once the code is loaded, cycle the power switch on the Mk3 and it will boot up to the menu. You can verify the running boot version is 3.01 and the flash is version 3.02.

Figure 1

Locating the EPROM.
Note the orientation of the chip with the key mark at the top.

New Version 3.01!

