TECH NOTE

VICON TECHNICAL SERVICES GROUP

Subject: Firmware Replacement
Product: V1466
Number: 1400-0001-19-00
Date: 07/05/01

V1466 Video Matrix Switcher Firmware Replacement

This Tech Note details the procedure for replacing the firmware in the V1466 Video Matrix CPU.

Software version 0.1.5 contains provisions for improved handling of receiver Response data signals. This should eliminate data buss lockups by temporarily switching the offending receiver to simplex communications mode and displaying a "Receiver Response Unstable" on the system video monitors.

The firmware consists of two EPROM's containing the software:

U2	Even	Part Number 1294-3100-02
U3	Odd	Part Number 1294-3100-01

Replacement of these EPROM's should not affect system programming; however, it is recommended that an Image File backup, or programming notes be made, prior to any component replacement on the V1466SCPU-A circuit board. Image File backup should be performed according to Tech Note "Saving Memory Image Files, document number 1400-0001-12-00.

Replacement Procedure:

Note: It is important to connect a monitor to the Status Display BNC connector on the rear panel. This is necessary to view current programming status of the V1466SCPU operating system.

1. During any firmware replacement, or handling of any electrostatic sensitive devices, it is recommended that a static control wrist strap be used.
2. Turn off the red power switch on the V1466 Matrix. Unplug the power cord from the receptacle in the rear. Remove the front cover from the card cage.
3. The V1466SCPU card is located on the far right hand side above the power supply. It can be identified by a round, 5-pin DIN style connector at the top near a small toggle switch.
4. If the card cage has a full complement of V6610S video input circuit cards, remove enough cards to allow access to the existing firmware chips. Remove EPROM's U2 and U3, being careful to note the position of the index mark on the chip. The index mark should be towards the rear of the matrix chassis. *Do not use the identifying label on the EPROM for chip orientation.*
5. Insert the two new EPROM's in their respective U2 and U3 positions. After insertion, insure that all pins are fully seated.
6. Replace any removed input cards and insure that they are reinserted in the correct order.
7. Reconnect the power cord to the receptacle. Switch the cage power to On.
8. Verify that programming has not changed.
9. If any changes have taken place, it is recommended that the entire memory be restored to system defaults and the programming re-installed, either by reloading the Image File or by manual programming through the system-programming keyboard.
10. Reinstall the card cage front cover.