



Display

Date: **December 27, 1999**Model: **VPH-G90U**Serial No: **2,000,001–2,000,095**Subject: **FIRMWARE UPGRADE—VERSION 1.11****DESCRIPTION**

Version 1.11 firmware is now available. The new firmware implements various new functions and program improvements.

NEW FUNCTIONS

- The following items have been added to the menu:
 - Selection of VIDEO MEMORY and Labeling
 - Indications of PIC.CTRL bar and one Column
 - POWER SAVING
 - INPUT MEMORY OPERATION (Delete, Protect)
 - POWER ON DELAY
 - Device Control Sub PIC/BRT/COL/HUE
 - UNIFORMITY
- Simulation Mode including following adjustment items:
 - Curve BLKG
 - H LIN BIAS
 - V LIN BIAS
 - V BOW BIAS
 - H S-curve BIAS
- Orbiting LINK
- SIRCS ENCODE, which encodes the following:
 - SW commands (1-1 to 8-8) sent from the control panel
 - SYS SET command
 - SIRCS commands received through communication line (RS-232C/422A, PJ COM)
- Support of other SWITCHER (PC-1271) channels

PROGRAM IMPROVEMENTS

- Selection time is shortened.
- Response at DRC ON and 3 LINE COMB selection is enhanced.
- KEY and PIN adjustments are now toggled and their item positions are interlocked.
- The color of INDEX display has been changed only on the DEVICE INDEX at INDEX designation, and the color display is now available for GROUP INDEX as follows:

| | |
|--------------|-----------------|
| Valid: Green | Invalid: Yellow |
|--------------|-----------------|
- Previously, only 151 input memory items were supported. This has been corrected.
- Previously, data renewal of ABL adjustment of a single tube was done only at power on. This has been corrected. Data renewal now is done in real time.
- Previously, registration adjustment was difficult when defocus was performed. This has been corrected. To make it easier to adjust the registration, defocus has been set to OFF when adjustment is performed.
- Previously, input memory selected was not erased when either All Reset or Delete was executed. This has been corrected. Now, input memory is erased when All Reset or Delete is executed.
- The display of input signal source in the Input Memory Manual mode has been modified.
- Previously, a new signal was saved in Manual mode, when exiting the menu without pressing the Memory key. This has been changed. Now, a new signal is saved only when the Memory key is pressed.
- Previously, when an input memory created by COPY was selected, even if the adjustment data was changed, it was not reflected on the original data, and No.0 data always changed. This has been corrected. Now, when input memory created by COPY is selected, adjustment changes are reflected on the original data.



- Previously, when clamp setting value was changed in the Clamp setting mode ("INPUT SETTING" menu) and memorized, the value was saved; but when H/C was performed, the value reverted to the auto setting when the input signal was changed or the channel was switched over.

This has been corrected. Now, when the clamp setting is in H/C, if input signal is changed, the clamp setting does not revert to the auto setting.

INSTALLATION PROCEDURE



Requirements

PC with RS-232C Cross Cable

Supplied CD with Software Upgrade and
Program Upload Application **PJUpdate.EXE**

Procedure

For detailed installation instructions, consult the Help File supplied on the CD with the Program Upload Application.

ORDERING INFORMATION

NOTE: To order upgrades or for regional service center and parts ordering information, refer to the following document, which lists all contact telephone numbers:

Technical Bulletin 001999000

Canadian Customers: Please order parts from your usual supplier.