

Kalypso

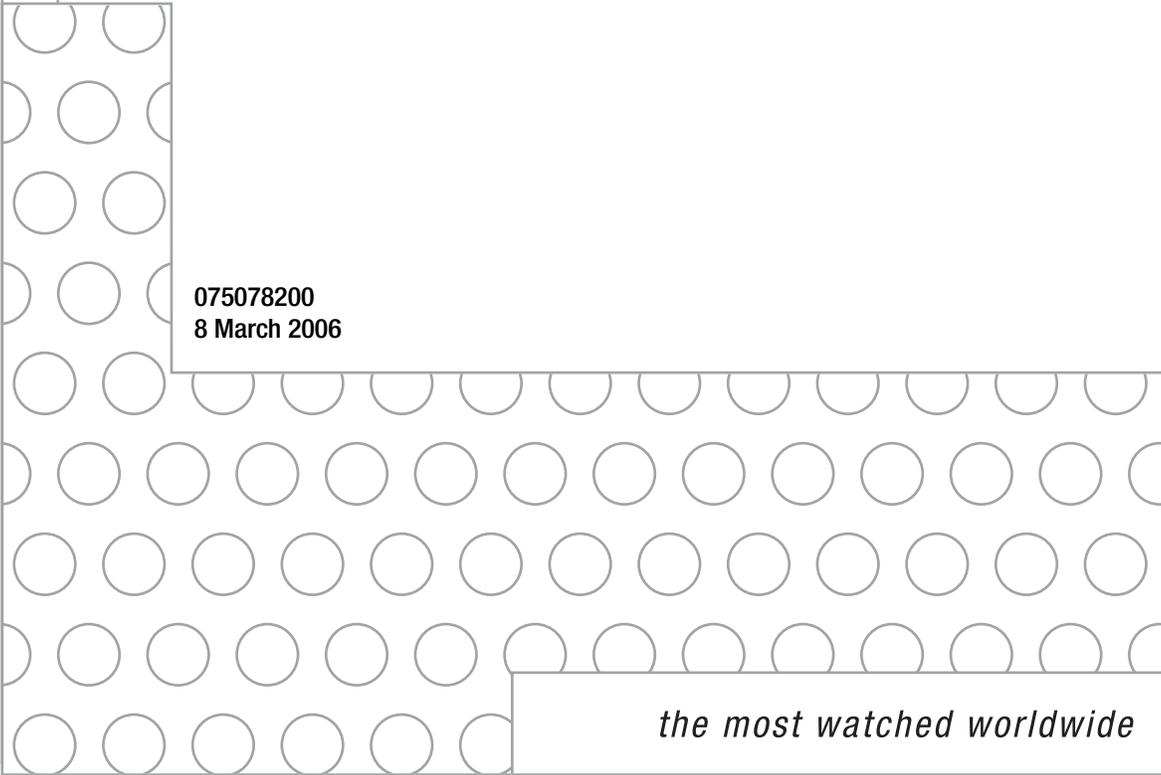
VIDEO PRODUCTION CENTER

Field Modification Note



REFERENCE ECO: 513M

075078200
8 March 2006



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Grass Valley Web Site

The www.thomsongrassvalley.com web site offers the following:

Online User Documentation — Current versions of product catalogs, brochures, data sheets, ordering guides, planning guides, manuals, and release notes in .pdf format can be downloaded.

FAQ Database — Solutions to problems and troubleshooting efforts can be found by searching our Frequently Asked Questions (FAQ) database.

Software Downloads — Software updates, drivers, and patches can be downloaded.

FMN 075078200

Effectivity Date: 8 March 2006

Kalypso BIOS Upgrade and Hard Drive Replacement

Purpose

Classic Kalypso Panels used an NT Processor mezzanine board (5811) with a 20 Gigabyte hard drive. Those drives are now obsolete. Grass Valley Group is now offering a more reliable 40 GB hard drive replacement. The new hard drive requires installation of a new BIOS on the NT Processor board.

This document explains how to install a new 40 GB hard drive and how to use the included floppy disk to upgrade the operating BIOS.

CAUTION You must update the BIOS on your panel *before* you replace the hard drive. Failure to do this will stop your panel from booting.

Parts List

- 40 Gigabyte Hard Drive
- Kalypso Classic NT BIOS Upgrade bootable floppy disk (Part Number 063842900) with new BIOS software (5811C035.bin) for installation

Required Tools

The following tools are required for installation, but are not supplied:

- 4-40 Nut Drive
- Medium Philips cross head screwdriver

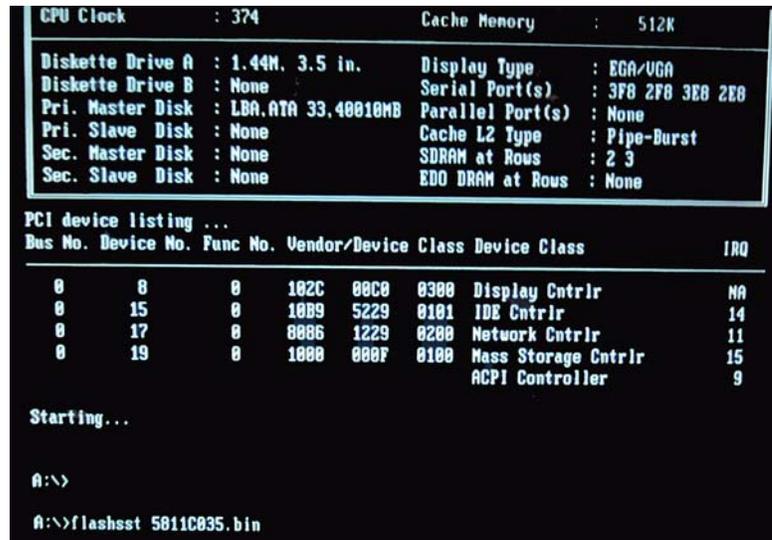
Updating the BIOS

1. Place the supplied floppy disk containing the BIOS in the floppy disk drive inside the panel and turn on the Panel power. The panel should boot from the floppy disk.
 - a. If the panel does not boot from the floppy disk, push the NT Reset button and then press the Delete key to get into the BIOS setup.
 - b. In Advanced BIOS setup set the Boot Sequence to be A, C, SCSI. Then press **ESC** and **Save** your changes. You should now see the A: prompt.
2. At the A: \> prompt on the screen type the name of the EXE file (flashsst) and then the BIN file (5811C035.bin). Type:

```
flashsst 5811C035.bin
```

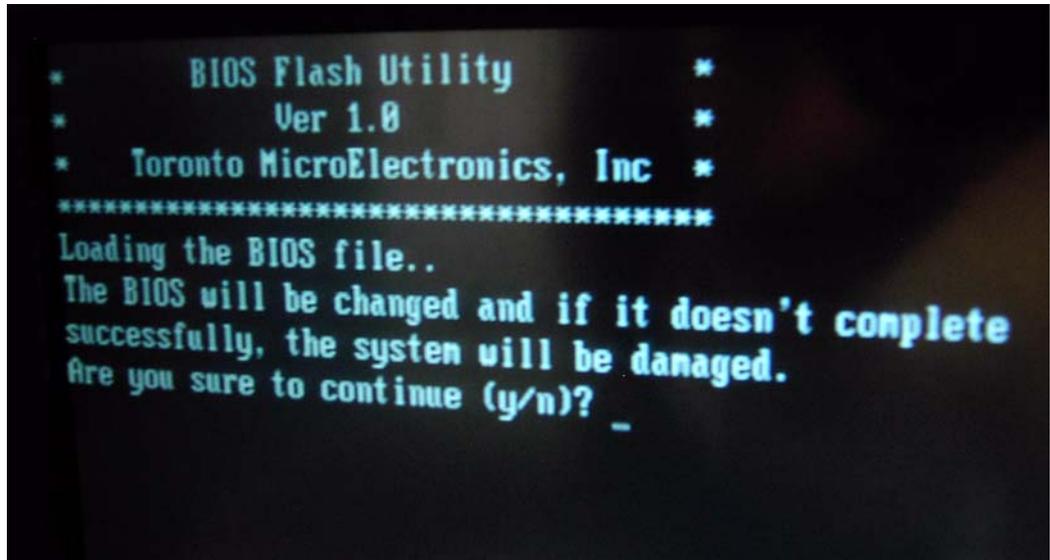
and then press **Enter**. (See the README.txt file on the floppy disk for more complete instructions if needed.)

Figure 1. Screen Capture for Software Results before Pressing Enter



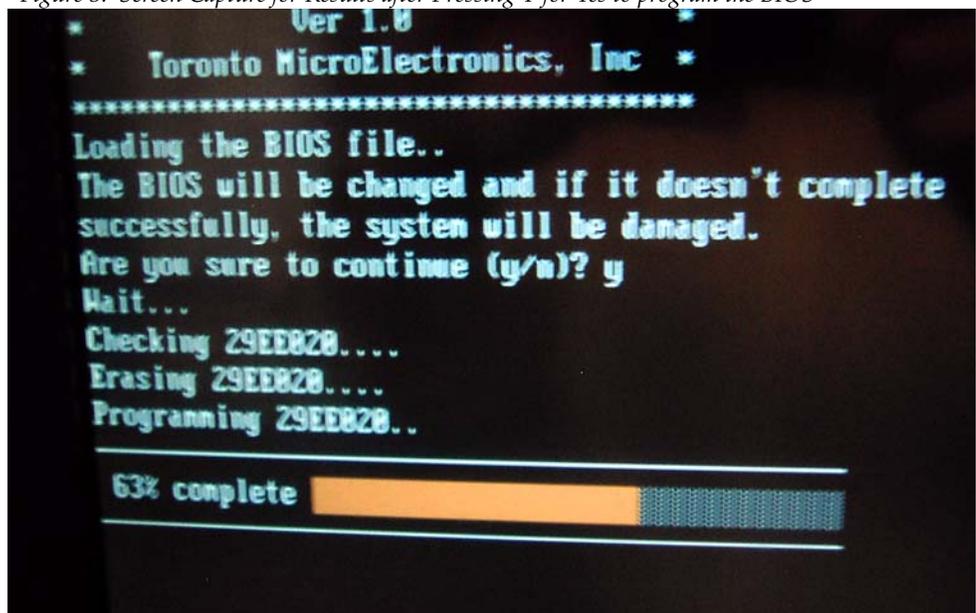
3. After pressing **Enter** the screen displays a question asking if you want to continue.

Figure 2. Screen Capture for Results Before Pressing Y for Yes



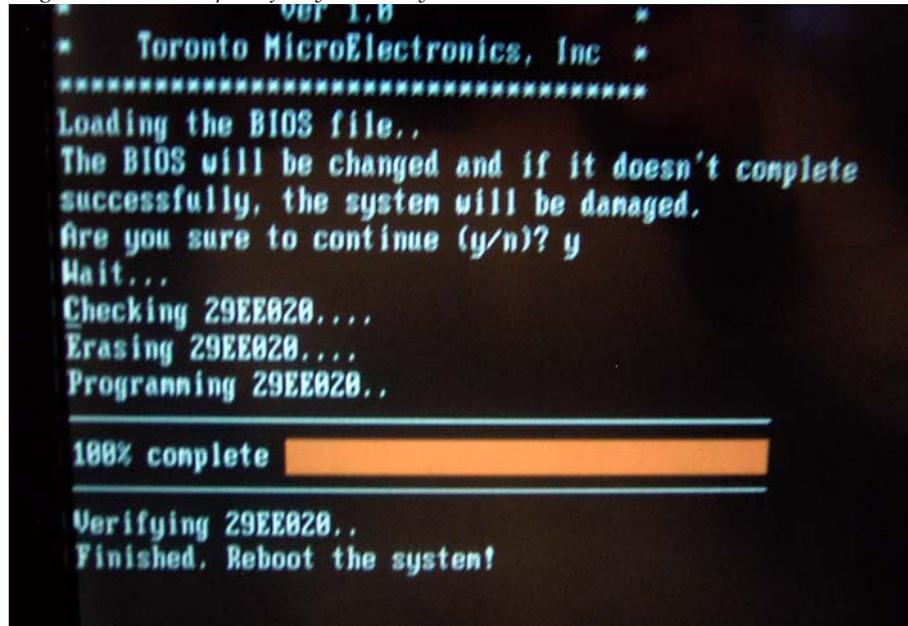
4. Press the **Y** key to continue and re-program the BIOS on the hard drive. You should see the following screen:

Figure 3. Screen Capture for Results after Pressing Y for Yes to program the BIOS



5. After updating the BIOS for the switcher remove the floppy disk from the drive and press the NT Processor **Reset** button.

Figure 4. Screen Capture for system ready to reboot



After booting the panel will display:

```
BIOS "5811C14_V1_S1_Com34_PC104P VERSION B"
```

This is correct even though the .bin name for the BIOS you just installed is 5811C035.bin.

6. Now press the **Delete** key to go back into the new BIOS you just installed. In the right-hand pane of the home page select the option to "Load Optimized Default." Then **Save** and **Exit**.

Your system is now ready to use.

CAUTION Failure to perform [Step 6](#) will disable your serial ports which causes the touch screen, buttons, and knobs to stop working.

Kalypso Panel Hard Drive Replacement

CAUTION You must update the BIOS on your panel *before* you replace the hard drive. Failure to do this will stop your panel from booting. If you have not yet upgraded the panel BIOS perform the procedure described in [Updating the BIOS on page 4](#).

1. Open the Main panel. Turn off AC power to the Main panel for both the primary and redundant (if present) power supplies.
2. At the rear of the Main panel, disconnect the AC line cord from both primary and redundant (if present) power supplies.

WARNING Dangerous voltage or current may be present — Disconnect power and remove battery (if applicable) before removing protective panels, soldering, or replacing components.

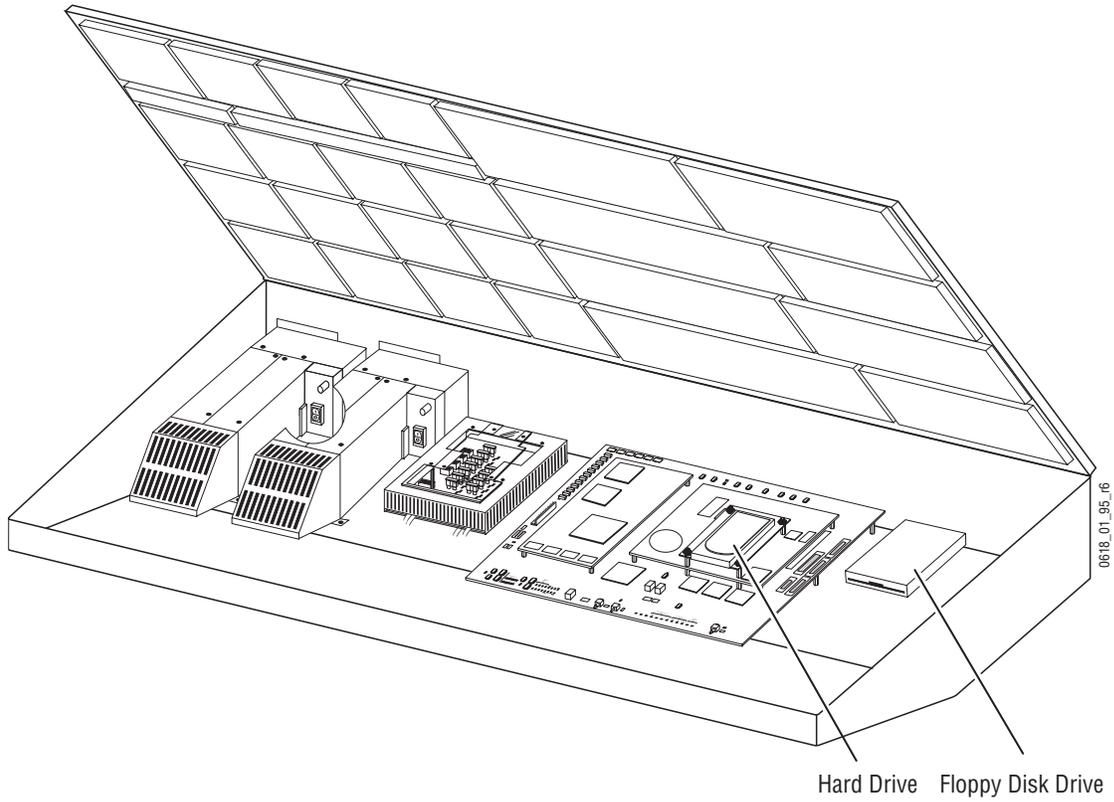
WARNING Avoid exposed circuitry — Do not touch exposed connections, components or circuitry when power is present.

WARNING Operate only with covers and enclosure panels in place — Do not operate this product when covers or enclosure panels are removed.

CAUTION Use anti-static procedures — Static sensitive components are present which may be damaged by electrostatic discharge. Use anti-static procedures, equipment and surfaces during servicing.

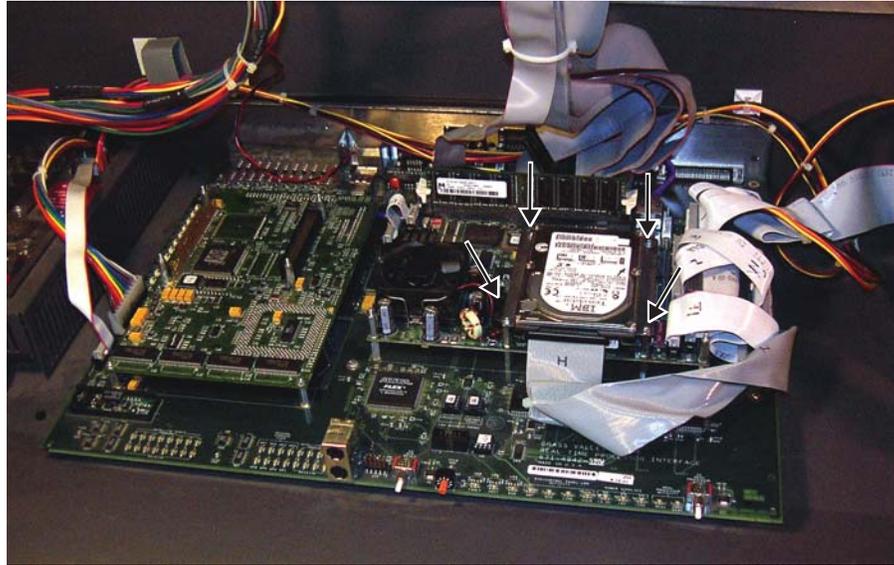
3. Locate the hard drive to be replaced on the 5811 Panel NT Processor Mezzanine Board.

Figure 5. Hard Drive on 4-M/E Main Panel



5. Remove the HD mounting plate from the board.
 - a. Using a 4-40 Nut driver remove the 4 nuts holding the HD mounting plate to the 5811 board, being careful not to lose the star washers.

Figure 8. Kalypso Main Panel Interior Showing 4 Mounting Plate Screws to Remove



6. Remove the hard drive from the mounting plate.

Figure 9. Hard Drive on Mounting Plate



7. Using a Philips head screwdriver remove the 4 screws from the bottom of the metal plate that hold the hard drive to the plate.

- 8.** Install the new hard drive.
 - a.** Put the new hard drive on the plate and secure the 4 screws to hold the drive to the plate.
 - b.** Place the plate holding the hard drive back on the 5811 board.
 - c.** Replace the 4 washers and nuts and tighten them securely.
- 9.** Re-attach the ribbon cable to the hard drive.

