

Instruction Manual

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KALYPSO

MODEL 4000 REMOTE AUX PANEL UPGRADE

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Preface

About This Manual

This Instruction Manual provides upgrade information related to the Grass Valley Group Kalypso Video Production Center. The Kalypso product line is subject to Safety and Regulatory Compliance described in the standard Kalypso user documentation set, described below. This manual is designed for technical personnel responsible for installing and maintaining Kalypso systems.

Documentation Set

The standard Kalypso user documentation set consists of a:

- User Manual,
- Installation and Service Manual, and
- Release Notes.

The *User Manual* contains background information about the Kalypso Video Production Center, and describes operating procedures. This manual can be used while learning about Kalypso, and for enhancing your basic knowledge of the system.

The *Installation and Service Manual* contains information about installing, configuring, and maintaining the system.

The *Release Notes* contain information about new features and system enhancements for a specific software version, and also includes software installation procedures. Always check the release notes for your current system software before operating your system.

Model 4000 Remote Aux Panel Upgrade

Upgrading a Model 4000 Remote Aux Panel to a Kalypso 24-Crosspoint Remote Aux Panel

Remote Aux panels control Kalypso Video Production Center local aux buses from remote locations. Three Kalypso 24-Crosspoint Remote Aux panels (1 Rack Unit (RU), 2 RU, and 3 RU) are available for 4-M/E and 2-M/E systems. Each panel provides control of 48 external sources (24 unshifted and 24 shifted), and up to thirty-two panels can be daisy-chained on a single serial control port on either the 4-M/E or 2-M/E electronics frame. Model 4000 Remote Aux panels can be upgraded to Kalypso 24-Crosspoint Remote Aux panel capability for use in a Kalypso environment.

This document provides instructions for upgrading Model 4000 Remote Aux panels to Kalypso 24-Crosspoint Remote Aux panel functionality. The upgrade consists of replacing the Model 4000 CPU Aux Control EPROM with the Kalypso CPU Aux Control EPROM.

This document does not cover installation, configuration, or operating instructions for the Model 4000 Remote Aux panel or Kalypso 24-Crosspoint Remote Aux panel. For information about the Model 4000 Remote Aux panel, refer to the *Model 4000 Digital Production Switcher Installation and Service Manual*. For information about the Kalypso 24-Crosspoint Remote Aux panel, refer to the *Kalypso User Manual* and *Installation and Service Manual*.

Upgrade Instructions

Upgrade Kit

The Upgrade Kit contains the items listed in [Table 1](#). A 3/16 inch and 5/16 inch nutdriver and a #10 Torx screwdriver are required for completing the upgrade.

Table 1. Parts List for the Upgrade Kit

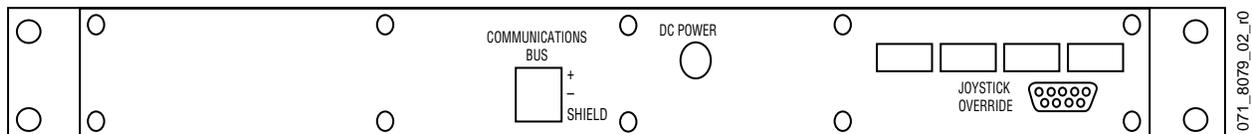
Part Number	Description	Quantity
163-8220-01	CPU Aux Control EPROM	1
TB4058-00	Extractor tool	1
335-0385-00	Label for front of the panel	1
071-8079-00	Upgrade Instructions	1

Upgrade Procedure

1. Disconnect the DC power, communications, and Joystick Override cables from the rear of the Model 4000 Remote Aux panel ([Figure 1](#)) and place the panel face down.

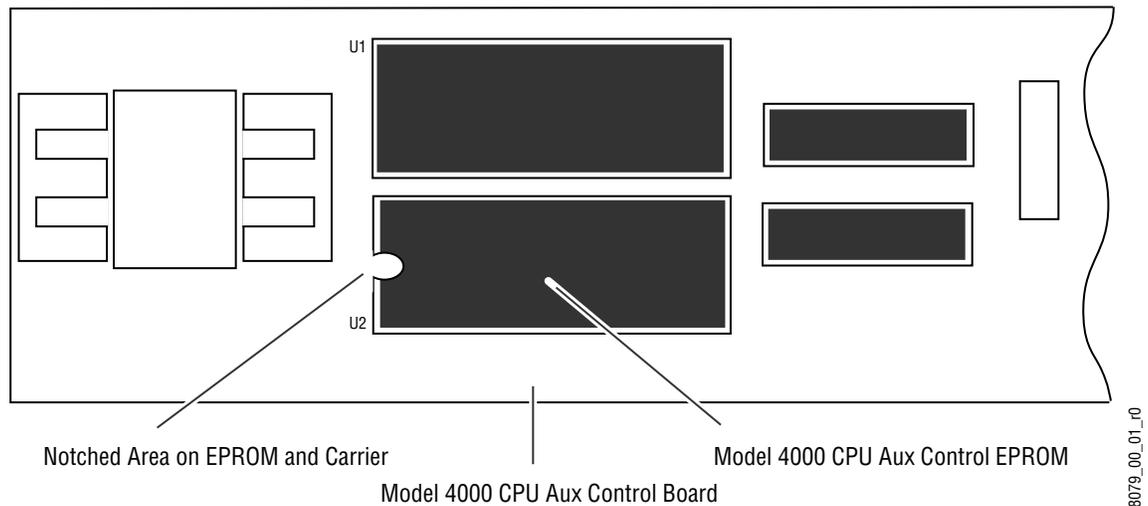
Note Cable locations are the same on the 1 RU, 2 RU, and 3 RU panels. Screw locations differ on the panels, but the process for removing and replacing them is identical.

Figure 1. Model 4000 Remote Aux Panel (1 RU), Rear View



2. Using a 5/16 inch nutdriver, remove the nuts and screws holding the back plate onto the panel.
3. Using a #10 Torx screwdriver, remove the center screw on the back plate.
4. Using a 3/16 inch nutdriver, remove the jack screws on either side of the Joystick Override connector and remove the back plate.
5. Locate the Model 4000 CPU Aux Control EPROM (position U2) on the Model 4000 CPU Aux Control Board ([Figure 2](#)).

Figure 2. Model 4000 CPU Aux Control Board



6. Using the extractor tool and proceeding with anti-static precautions, carefully pry the Model 4000 CPU Aux Control EPROM from the carrier by placing the tool under the EPROM and lifting it up and out of the carrier.
7. Orient the replacement CPU Aux Control EPROM by aligning its notched edge with the notched edge on the carrier (Figure 2), and push it firmly into the carrier.
8. Replace the back plate and use a 3/16 inch nutdriver to replace the jack screws on either side of the Joystick Override connector.
9. Using a #10 Torx screwdriver, replace the center screw on the back plate.
10. Using a 5/16 inch nutdriver, replace the nuts and screws holding the back plate onto the panel.
11. Reconnect the DC power, communications, and Joystick Override cables to the rear of the Remote Aux panel.
12. Place the label provided in the kit on the front of the Remote Aux panel to designate it as a Kalypso Remote Aux panel. This completes the upgrade.



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