Ross Video Limited

V I S I O N

8-Keyer Module
Installation Guide

ROSS

Live Production Technology

Vision • 8-Keyer Module Installation Guide

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Trademarks

Important Regulatory and Safety Notices to Service Personnel

Before using this product and any associated equipment, refer to the "**Important Safety Instructions**" listed in the front of your *Engineering Manual* to avoid personnel injury and to prevent product damage.

Product may require specific equipment, and/or installation procedures to be carried out to satisfy certain regulatory compliance requirements. Notices have been included in this publication to call attention to these specific requirements.

General Handling Guidelines

- Careful handling, using proper ESD precautions, must be observed.
- Power down the system before PCB removal.

ESD Susceptibility — *Avoid handling the switcher circuit boards in high static environments such as carpeted areas, and when synthetic fiber clothing is worn. Touch the frame to dissipate static charge before removing boards from the frame, and exercise proper grounding precautions when working on circuit boards.*

Environmental Information

The equipment that you purchased required the extraction and use of natural resources for its production. It may contain hazardous substances that could impact health and the environment.

To avoid the potential release of those substances into the environment and to diminish the need for the extraction of natural resources, Ross Video encourages you to use the appropriate take-back systems. These systems will reuse or recycle most of the materials from your end-of-life equipment in an environmentally friendly and health conscious manner.

The crossed-out wheeled bin symbol invites you to use these systems.

If you need more information on the collection, reuse, and recycling systems, please contact your local or regional waste administration.

You can also contact Ross Video for more information on the environmental performances of our products.

Package Contents

The contents of a single **8-Keyer Module** upgrade kit is listed below. If any items are missing, or damaged, contact Ross Video Technical Support.

Qty	Part#	Item
1	4800AR-127A	8-Keyer Module
1	727-024R	Module Control Link Cable (Black, CAT5e)

8-Keyer Module Installation

To install the 8-Keyer module for the Vision control panel, you must power down the control panel, disconnect the communications cables, remove the Keyer module, install the new module, and then connect the power and communications cables.

A single 8-Keyer module can be installed in the control panel.

Use the following procedure to install the 8-Keyer module:

1. Power down the control panel. The frame can remain on during this procedure. Refer to your switcher documentation for information on shutting down the switcher.

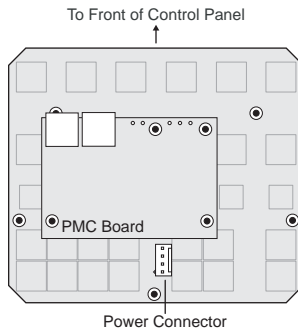2. Unplug the Primary and Redundant (if installed) power from the control panel.

Warning Hazardous Voltage — *Hazardous voltages are present in the control panel as long as any of the power supplies are connected to the AC power.*

3. Lift up on the control panel lid to gain access to the control panel tub.

4. Identify the Keyer module that you want to replace with the 8-Keyer module. This should be the control panel row that is assigned as the Program/Preset row.

5. Disconnect the **Module Power Cable** from the Keyer module you want to remove (**Figure 1**). This 4-conductor ribbon cable delivers power to all the modules in the row. When removing it, ensure that you do not accidently unplug it from any neighboring modules.
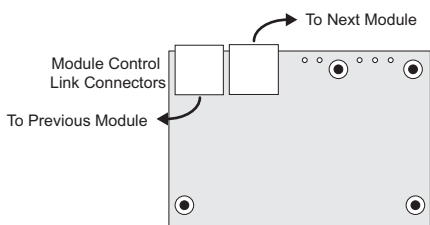

To Front of Control Panel

PMC Board

Power Connector

Figure 1 *Power Connector — 6-Keyer Module*

6. Disconnect the **Module Control Link Cables** from the Keyer module you want to remove. These CAT5e cables deliver all the command
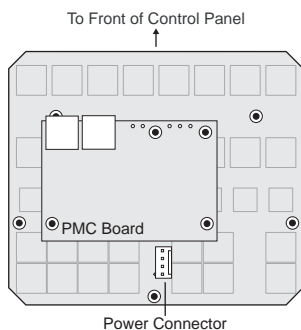
signals to and from the module, as well as the other modules in the same row.

7. Remove the **Retaining Bolts** located at each corner of the Keyer module and keep them in a safe place. A ¼ inch hex driver or wrench is required.

8. Remove the Keyer module plate from the control panel.

9. Slide the 8-Keyer module into the module opening.

10. Install the **Retaining Bolts** located at each corner of the module to a maximum torque of **5 in-lbs** (**6 cm-kg**). A ¼ inch hex driver or wrench is required.

11. Connect and secure the **Module Control Link Cables** to the PMC on the 8-Keyer module (**Figure 2**). One cable connects to the previous module in the row, and the other cable to the next module.

Figure 2 *Panel Module Controller (PMC) — Module Control Link Connectors*

12. Connect and secure the **Module Power Cable** to the 8-Keyer module (**Figure 3**).

Figure 3 *Power Connector — 8-Keyer Module*

13. Close the control panel lid and reconnect the power supplies.

This completes the procedure for installing the 8-Keyer module.

8-Keyer Module Setup

With the 8-Keyer module installed and cabled, the Vision switcher must be set up to properly communicate with the 8-Keyer module.

Refer to your *Vision Engineering Manual* for information on upgrading your PMCs and assigning the 8-Keyer module to a panel row.

Contact Us

Contact our friendly and professional support representatives for the following:

- Name and address of your local dealer
- Product information and pricing
- Technical support
- Upcoming trade show information

PHONE	**General Business Office and Technical Support**	613 • 652 • 4886
	After Hours Emergency	613 • 349 • 0006
	Fax	613 • 652 • 4425
E-MAIL	**General Information**	solutions@rossvideo.com
	Technical Support	techsupport@rossvideo.com
POSTAL SERVICE	**Ross Video Limited**	8 John Street, Iroquois, Ontario, Canada K0E 1K0
	Ross Video Incorporated	P.O. Box 880, Ogdensburg, New York, USA 13669-0880

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