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Ross Video Limited

V I S I O N

# PanelView Display Installation Guide



Live Production Technology™

# Vision • PanelView Display Installation Guide

- Ross Part Number: **4800DR-321**
- Document Issue: **1**
- Release Date: May 27, 2008. Printed in Canada.

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# 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 *Vision 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.



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**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.*

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## 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 **PanelView Display** kit is listed below. If any items are missing, or damaged, contact Ross Video Technical Support.

Qty	Part#	Item
1	4800AR-170	PanelView Display Module
1	4800FR-553	Rear Interface Plate
2	690-010R	Rubber Plugs
1	4800CR-351	Rear Interface Plate Cable (includes Nut, Lock Washer, and Rubber Washer)
2	960-049R	Spacer Washer

# PanelView Display Installation

To install the PanelView Display for the Vision control panel, you must install the PanelView Display module, install the cable interface plate on the back of the control panel, and install the video and power cables.

## PanelView Display Module Installation

The PanelView Display Module fits into any large size, 6.3×5.4 inches (15.9×13.8 cm), module opening. If you are planning to replace an existing module, refer to your switcher documentation for information on replacing a control panel module.

Use the following procedure to install a PanelView Display 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 control panel.
2. Disconnect the Primary and Redundant (if installed) power from the control panel.



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**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.*

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3. Lift up on the control panel lid to gain access to the control panel tub.
4. Identify the empty module slot that you want to install the PanelView Display Module into.
5. Remove the **Retaining Bolts** located at each corner of the blank module plate and keep them in a safe place. A ¼ inch hex driver or wrench is required.
6. Slide the PanelView Display module into the module opening.
7. 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.

This completes the procedure for installing a PanelView Display Module. Next, you will have to install the rear interface plate and cables for the PanelView Display.

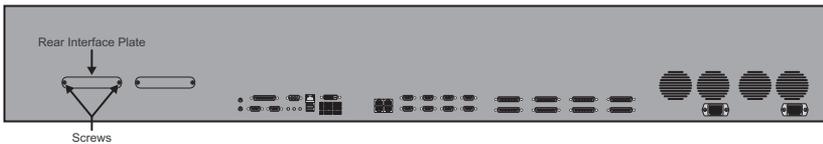
# Rear Interface Plate Installation and Cabling

To install the rear interface plate and cables, you must remove the blank rear plate from the Vision control panel, install the rear interface plate, and then install the two video input BNCs.

Each rear interface plate provides access points for up to two PanelView Display Modules. If additional displays are being installed, an additional rear interface plate must be installed.

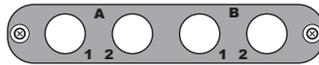
Use the following procedure to install the rear interface plate and cabling for the PanelView Display Module:

1. With the control panel powered off and the control panel lid open, locate the blank cover plate at the back of the control panel that you want to replace with the **Rear Interface Plate (Figure 1)**.



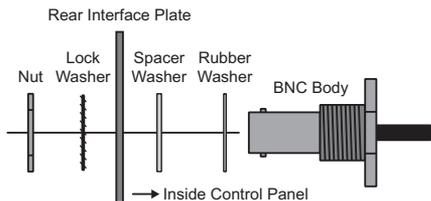
**Figure 1** Blank Cover Plate Removal

2. Remove the blank cover plate by removing the two screws securing the blank cover plate to the back of the control panel. Save the screws for installing the **Rear Interface Plate**.
3. Install the **Rear Interface Plate (Figure 2)** over the hole the blank cover plate was hiding using the same screws you just removed.



**Figure 2** Rear Interface Plate

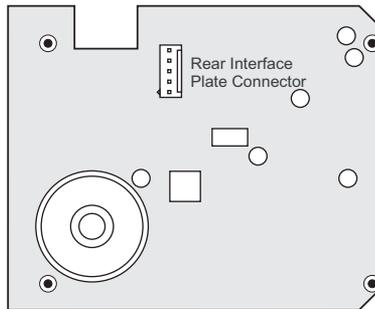
4. Remove the **Nut** and **Lock Washer** from the **Input BNC** labelled **Input 1 (Figure 3)**. Leave the **Rubber Washer** on the **BNC Body**.



**Figure 3** BNC Body Installation

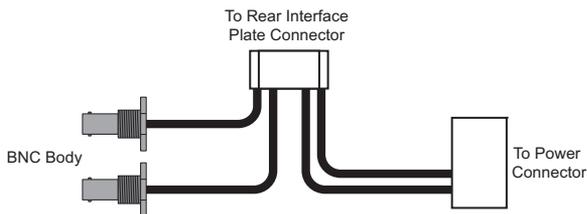
5. From inside the control panel, slide the **BNC Body** through the **A-1** hole in the **Rear Interface Plate**.
6. Install the **Lock Washer** onto the **BNC Body** and secure with the **Nut (Figure 3)**.

7. Repeat **Steps (4.)** through **(6.)** for the **Input BNC** labelled **Input 2**.
8. If you are not installing an additional PanelView Display Module, insert the Rubber Plugs into the **B-1** and **B-2** holes in the **Rear Interface Plate**.
9. Connect the 5-pin **Rear Interface Plate Cable** to the **Rear Interface Plate Connector** on the back of the PanelView Display Module (**Figure 4**).



**Figure 4** Rear Interface Plate Connector

10. Connect and secure the red, 4-pin, **PanelView Display Module Power Connector** to the **Module Power Cable** for the panel row you are installing the PanelView Display Module in (**Figure 5**). The **Module Power Cable** delivers power to all the modules in the row, when installing it, ensure that you do not accidentally unplug it from any neighboring modules.



**Figure 5** PanelView Display Cable

11. Dress the cables with the existing cables in the control panel in accordance to good engineering practices.




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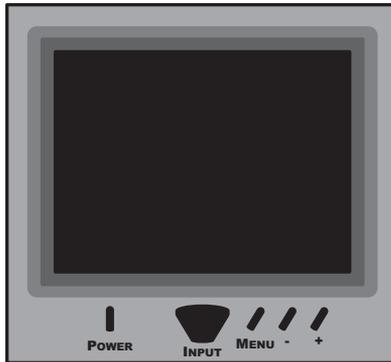
**Note** — *The PanelView Display supports only analog NTSC/PAL video signals. If you want to route video signals from the Vision switcher to the PanelView Display you will require a video down converter plus a digital to analog composite converter.*

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This completes the procedure for installing the rear interface plate and cabling for the PanelView Display Module.

# PanelView Display Operation

This section provides information on turning the PanelView Display (**Figure 6**) on and off, switching between inputs, and using the menus on the PanelView Display.



*Figure 6 PanelView Display Module*

## Turning the PanelView Display On and Off

Each PanelView Display Module has an independent **POWER** button that allows you to turn the display on or off. When the display is turned on, and a video signal is applied to the selected input BNC, the PanelView Display shows a video signal. If there is no video signal, or the applied video signal can not be displayed, the display shows a blue screen with the source number.

To turn the PanelView Display Module on or off, press the **POWER** button on the module. The Vision control panel must be powered on to turn on the PanelView Display.

If power to the PanelView Display Module is lost during operation it will recall the last selected video input and configurations when turned on again.

## Switching Between Video Signals

Each PanelView Display Module supports up to two analog composite NTSC/PAL (auto-sensing). If no input video signal is detected on the selected input BNC, a blue screen is displayed with the input number shown.

To toggle between **Input 1** and **Input 2** on the PanelView Display, press the **INPUT** button on the **PanelView Display Module**.

## Using the Menus

The on-screen display menu allows you to adjust the Brightness, Color, Tint (NTSC) and Contrast of the display.

To enter the menu system, press the **MENU** button on the **PanelView Display Module**. Use the **+** and **-** buttons to navigate to the menus, or press the **MENU** button repeatedly to toggle between the different parameters.

## **Notes**

## **Notes**

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Contact our friendly and professional support representatives for the following:

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- Technical support
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