
Ross Video Limited

V I S I O N

Touchscreen Display Installation Guide



Live Production Technology

Vision • Touchscreen Display Installation Guide

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Important Regulatory and Safety Notices to Service Personnel

Before using this product and associated equipment, refer to the “Important Safety Instructions” listed here and in the front of the Vision Engineering Manual, to avoid personnel injury and to prevent product damage.

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

Important Safety Instructions

Use only manufacturer approved Power Supplies and Power Cords supplied with this product.

The power supply adapter(s) included with this product use a protective earth connection to reduce the risk of electrical shock to the operator and or service personnel. A grounding conductor in the equipment's supply cord provides this protective earth connection and must be reliably connected to a facilities protective earth.

Do not defeat safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The third prong is provided for your safety. If the provided plug does not fit in to your outlet, consult an electrician for replacement of the obsolete outlet.

Protect the product's power cord(s) and replace any cord(s) which shows signs of physical damage or ware.

The product's power supply cord(s) is (are) used as a means to disconnect the power supply from the AC Mains. Ensure either the appliance inlet or the mains plug of the power supply cord, remains readily operable.

This product is designed for Indoor Use:

“WARNING - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPERATUS TO RAIN OR MOISTURE”.

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 the **Touchscreen Display** upgrade kit are listed below. If any items are missing, or damaged, contact Ross Video Technical Support.

Qty	Part#	Item
1	V-100A or V-100B	Touchscreen Display
1 ^a	103-011R	Power Supply
1 ^b	330-002R	Power Cable
1	726-170R	DVI Cable (Black DVI-D cable)
1	727-016R	USB Cable (Black USB 2.0 A/B cable)
1	727-021R	Control Cable (Black CAT5 cable)

- a. Will be quantity 2 if Redundant Power Option is ordered.
- b. Will be quantity 2 if Redundant Power Option is ordered.

Touchscreen Display Control Connection

Ross Video does not provide a mounting arm with the Vision control panel. When selecting a mounting arm, you should consider the environment that the control panel will be operating in. For example, in a mobile or truck environment, a more rigid mounting arm is needed to secure the Touchscreen Display.



Operating Tip — *Ross Video recommends the Humanscale M7 Desk Mount Flat Panel Monitor Arm by Media Control Co., Inc. (mcergo.com).*

Use the following procedure to connect the Touchscreen Display to the Vision control panel (**Figure 1**):

1. Secure the **Touchscreen Display (Figure 1)** to the **VESA FDMI MIS-D 75 or 50, C Mounting Arm** using the screws provided with the mounting arm and position the display as desired.

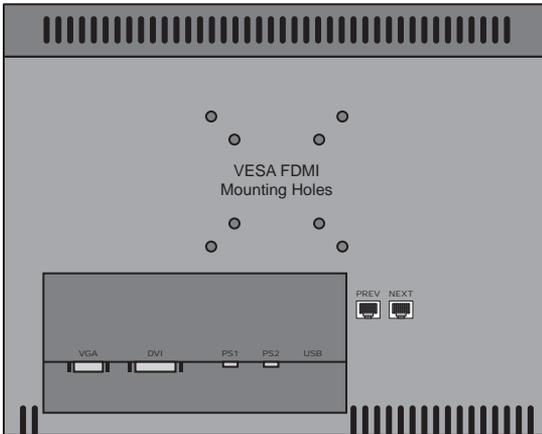


Figure 1 Control Panel to Touchscreen Display Cable Connections

2. Connect and secure one end of the **DVI Cable** to the **DVI** port on the back of the Vision control panel (**Figure 2**).
3. Connect and secure the other end of the **DVI Cable** to the **DVI** port on the Touchscreen Display.

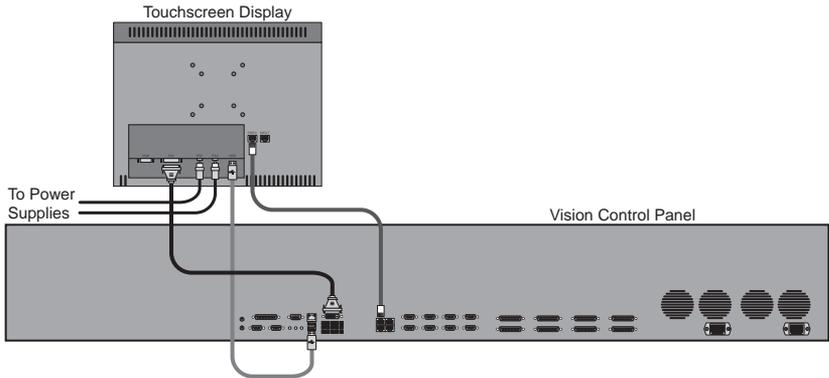


Figure 2 Touchscreen Display Connections to the Vision Control Panel

4. Connect and secure one end of the **Control Cable** to the **External Panel Link 1** port on the back of the Vision control panel.
5. Connect and secure the other end of the **Control Cable** to the **PREV** port on the Touchscreen Display.
6. Connect one end of the **USB Cable** to a **USB** port on the back of the Vision control panel. It does not matter which port you use.
7. Connect the other end of the **USB Cable** to the **USB** port on the Touchscreen Display.



Caution — *Always connect the External Power Supply to the Touchscreen before connecting it to the AC mains power. Connecting the power supply to the AC mains power before connecting to the Touchscreen could damage the Touchscreen.*

8. Connect and secure the **Power Supply** to the **PS1** port on the back of the Touchscreen Display.
9. If purchased, connect and secure the second **Power Supply** to the **PS2** port on the back of the Touchscreen Display.
10. Connect the power cables to the appropriate AC mains power outlets.

This completes the procedure for connecting the Touchscreen Display to the Vision control panel.

Touchscreen Controls

There are a number of control buttons provided on the Touchscreen that allow you to navigate the on-screen menus, or select the video input signal.

The function of these control buttons depends on the Touchscreen that you are using. Refer to the table for your device for information on the control buttons.

Table 1.1 V-100A Controls

Button	Description
SYSTEM POWER	Navigate to the System Shutdown Menu on the switcher. Is lit when the switcher is powered.
FRAME FAIL	Lights red when there is an error detected in the frame. Press to navigate to the status menu on the switcher.
MENU	Access the on-screen display menu.
-	Navigate the on-screen display menu.
+	Navigate the on-screen display menu.
SELECT	Manually select DVI-D or VGA input.
PANEL FAIL	Lights red when there is an error detected in the control panel. Press to navigate to the status menu on the switcher.
DISPLAY	Turns green when there is valid video input signal, and is unlit when there is not a valid video input signal. Press to turn off the button LEDs and Display.

Table 1.2 V-100B Controls

Button	Description
SYSTEM POWER	Navigate to the System Shutdown Menu on the switcher. Is lit when the switcher is powered.
FRAME FAIL	Lights red when there is an error detected in the frame. Press to navigate to the status menu on the switcher.
MENU	Access the on-screen display menu.
LEFT	Navigate the on-screen display menu.
UP	Navigate the on-screen display menu.
DOWN	Navigate the on-screen display menu.
RIGHT	Navigate the on-screen display menu.
EXIT	Auto adjust the display in VGA mode, or exit the on-screen display menu.
PANEL FAIL	Lights red when there is an error detected in the control panel. Press to navigate to the status menu on the switcher.
DISPLAY	Turns green when there is valid video input signal, and flashes green when there is not a valid video input signal, eventually changing to yellow. Press to turn off the button LEDs and Display.

Notes

Notes

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

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