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## Marshall ML-702

# Marshall Electronics ML-702 Dual 7" Full HD 3RU Rack Mount Monitor

User Manual

## 1. PRODUCT OVERVIEW

The Marshall ML-702 is a professional broadcast monitor featuring dual 7-inch LCD screens, designed for rack-mount applications such as fly-packs, control rooms, and routing rooms. It offers a feature-rich yet economical solution for various video system needs. Its looping video inputs distinguish it from similar products, providing enhanced flexibility. Standard power and tally connections, combined with a logical menu structure, make this display an ideal choice for flexible system designs.

## Key Features

- Dual Full HD Displays:** Two 7-inch screens with 1920 x 1200 resolution for clear image monitoring.
- Versatile Input Support:** Each screen accepts SDI, HDMI, and CVBS with looping outputs.
- High Compatibility:** HDMI supports up to 3840 x 2160p30 and 4096 x 2160p30 for 4K workflows.
- Built-In Monitoring Tools:** Includes focus peaking, tally borders, histogram, and markers.
- Flexible Installation:** 3RU tilting rackmount with wide viewing angles and front panel controls.

## 2. SETUP GUIDE

### 2.1 Unpacking and Inspection

Carefully remove the ML-702 monitor from its packaging. Inspect the unit for any signs of damage that may have occurred during shipping. Retain all packaging materials for future transport or storage.

### 2.2 Rack Mounting

The ML-702 is designed for standard 3RU rack mounting. Secure the unit into a standard 19-inch equipment rack using appropriate rack screws. Ensure adequate ventilation around the unit to prevent overheating.

## 2.3 Power Connection

Connect the provided DC power adapter to the "12V DC IN" port on the rear of the monitor. Plug the adapter into a suitable power outlet. The power indicator on the front panel will illuminate when power is supplied.

## 2.4 Video Input Connections

The ML-702 supports various video inputs for each screen. Connect your video sources to the corresponding input ports on the rear panel. Each screen has dedicated HDMI, 3G-SDI, and CVBS (Composite Video Broadcast Signal) inputs, along with looping outputs for SDI and HDMI.

- HDMI:** Connect HDMI cables to the HDMI IN ports. HDMI supports resolutions up to 4K (3840x2160p30 and 4096x2160p30).
- 3G-SDI:** Connect SDI cables to the 3G-SDI IN ports. Use the 3G-SDI OUT ports for looping the signal to another device.
- CVBS:** Connect composite video cables to the CVBS IN ports.



Figure 2.1: Rear panel of the ML-702 monitor, illustrating the various input and output connections for video, audio, and power, including HDMI, 3G-SDI, CVBS, and LAN ports.

## 3. OPERATION

### 3.1 Front Panel Controls

The front panel provides intuitive controls for operating each of the dual monitors independently.

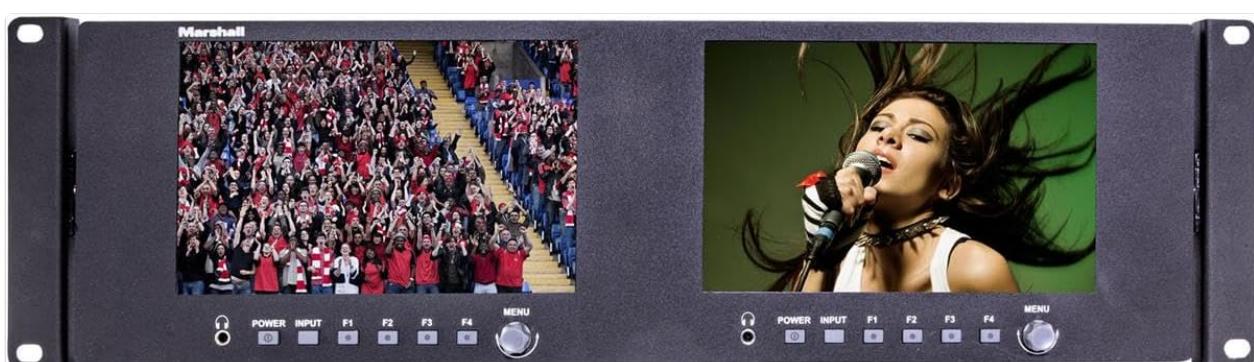


Figure 3.1: Front panel of the ML-702 monitor, showing the dual 7-inch displays, power buttons, input selection buttons, and menu controls.

function keys (F1-F4), and menu navigation rotary knobs for each screen.

- **POWER Button:** Press to turn the individual monitor on or off.
- **INPUT Button:** Cycles through available video inputs (HDMI, SDI, CVBS) for the respective screen.
- **F1-F4 Function Buttons:** User-assignable buttons for quick access to frequently used features (e.g., focus peaking, aspect ratio, markers).
- **MENU Button:** Press to enter or exit the On-Screen Display (OSD) menu.
- **Rotary Knob:** Used to navigate through menu options and adjust parameter values. Press the knob to confirm selections.

## 3.2 Menu Navigation

To access the OSD menu, press the MENU button. Use the rotary knob to scroll through menu categories and options. Press the rotary knob to select an option or enter a sub-menu. Rotate the knob to adjust values, and press again to confirm. Press the MENU button again to exit the OSD.

## 3.3 Monitoring Tools

The ML-702 includes several built-in tools to assist with accurate video monitoring:

- **Focus Peaking:** Highlights in-focus areas of the image, making it easier to achieve sharp focus.
- **Tally Borders:** Displays a colored border around the screen to indicate camera status (e.g., red for live, green for standby).
- **Histogram:** Provides a graphical representation of the tonal distribution of the image, helping to assess exposure.
- **Markers:** Overlays various frame guides and aspect ratio markers (e.g., center marker, safety area, 16:9, 4:3) for precise framing.

## 4. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and optimal performance of your ML-702 monitor.

### 4.1 Cleaning

- **Screen:** Use a soft, lint-free cloth specifically designed for electronics screens. For stubborn smudges, lightly dampen the cloth with distilled water or a screen-cleaning solution. Never spray liquid directly onto the screen.
- **Chassis:** Wipe the monitor's chassis with a soft, dry cloth. Avoid using abrasive cleaners or solvents, as they may damage the finish.

### 4.2 Storage

When not in use for extended periods, store the monitor in a cool, dry place, away from direct sunlight and extreme temperatures. If possible, use the original packaging for protection.

## 5. TROUBLESHOOTING

This section addresses common issues you might encounter with your ML-702 monitor. If the problem persists after following these steps, please contact Marshall customer support.

Problem	Possible Cause	Solution
Monitor does not power on.	No power to the unit; faulty power adapter.	Ensure power adapter is securely connected to both the monitor and a working power outlet. Test the outlet with another device.
No video signal displayed.	Incorrect input selected; loose video cable; incompatible signal.	Press the INPUT button to cycle through inputs. Check video cable connections. Verify that the source device is outputting a compatible signal.
Image is distorted or flickering.	Poor cable connection; signal interference; incorrect resolution.	Reseat video cables. Ensure cables are of good quality and not excessively long. Check source resolution settings.
OSD menu not appearing.	MENU button not pressed correctly.	Press the MENU button firmly. If the monitor is unresponsive, power cycle the unit.

## 6. TECHNICAL SPECIFICATIONS

Specification	Value
Model Number	ML-702
Screen Size	Dual 7 Inches
Screen Resolution	1920x1200
Aspect Ratio	16:9
Input Ports (per screen)	HDMI, 3G-SDI, CVBS
Output Ports (per screen)	HDMI Loop-through, 3G-SDI Loop-through
HDMI Compatibility	Up to 3840x2160p30, 4096x2160p30
Item Weight	6.8 pounds
Product Dimensions	26.5 x 7.25 x 3.75 inches
Power Input	12V DC
Color Name	Black

Specification	Value
Compatible Devices	Laptop, Desktop, Gaming Console

## 7. WARRANTY AND SUPPORT

Marshall Electronics products are manufactured to the highest quality standards. For information regarding warranty coverage, technical support, or service, please refer to the warranty card included with your product or visit the official Marshall Electronics website.

**Online Support:** [www.marshall-usa.com/support](http://www.marshall-usa.com/support)

**Contact Information:** Please refer to the website for the most current contact details for technical support and customer service.

### Related Documents - ML-702

 <p><b>Marshall</b> <small>Professional AV Division</small> <b>ML-702</b> Dual 7" 3RU Rack Mount Monitor Operating Instructions</p>	<p><a href="#">Marshall ML-702 Dual 7" 3RU Rack Mount Monitor Operating Instructions</a></p> <p>Comprehensive operating instructions for the Marshall ML-702 Dual 7-inch Rack Mount Monitor, covering front and back panel features, menu settings, specifications, troubleshooting, and warranty information.</p>
 <p><b>Marshall</b> <small>Professional AV Division</small> <b>ML-454-V2</b> Quad 4.5" Rack Mount Monitor with 3G-SDI, HDMI and Composite Inputs User Manual</p>	<p><a href="#">Marshall ML-454-V2 Quad 4.5" Rack Mount Monitor User Manual</a></p> <p>User manual for the Marshall ML-454-V2 Quad 4.5-inch Rack Mount Monitor, detailing its features, installation, operation, menu functions, specifications, and warranty. Supports 3G-SDI, HDMI, and Composite video inputs for broadcast and professional AV applications.</p>
 <p><b>Marshall</b> <small>Professional AV Division</small> <b>ML-454-V2</b> Quad 4.5" Rack Mount Monitor with 3G-SDI, HDMI and Composite Inputs User Manual</p>	<p><a href="#">Marshall ML-454-V2 Quad 4.5" Rack Mount Monitor User Manual</a></p> <p>User manual for the Marshall ML-454-V2, a quad 4.5-inch rack mount monitor featuring 3G-SDI, HDMI, and composite inputs. This guide covers overview, unpacking, installation, basic operation, menu functions, technical specifications, and warranty information.</p>

<p><b>Marshall</b> <small>Broadcast A/V Division</small></p> <p><b>VMV-402-SH</b> 4-Input 3G SDI Switcher with Quad Mode and Ethernet Control</p>  <p>User Manual</p>	<p><a href="#"><b>Marshall VMV-402-SH 4-Input 3G SDI Switcher User Manual</b></a></p> <p>User manual for the Marshall VMV-402-SH, a 4-input 3G SDI switcher with Quad Mode and Ethernet Control. Learn about its features, specifications, installation, and operation.</p>
<p><b>Marshall</b> <small>Broadcast A/V Division</small></p> <p><b>V-702W-12G-V2</b> Dual 7" 3RU Rack Mount Monitor with 12G Input plus Waveform/Vector and Analysis Features</p>  <p>User Manual</p>	<p><a href="#"><b>Marshall V-702W-12G-V2 User Manual</b></a></p> <p>User manual for the Marshall V-702W-12G-V2 Dual 7" 3RU Rack Mount Monitor, detailing its features, specifications, menu settings, and troubleshooting.</p>
<p><b>Marshall</b> <small>Broadcast A/V Division</small></p> <p><b>VMV-402-3GSH</b> Four Input Seamless Switcher with Auto Scaling</p>  <p>User Manual</p>	<p><a href="#"><b>Marshall VMV-402-3GSH User Manual: Four Input Seamless Switcher with Auto Scaling</b></a></p> <p>This user manual provides detailed information on the Marshall VMV-402-3GSH, a four-input seamless switcher with auto-scaling. It covers front and rear panel features, system setup, operation, menu options, web browser control, technical specifications, and warranty information.</p>