

Marshall Electronics

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9 Alternate Menu Functions

Menu is shown by holding down ALT and then pressing the MENU button. (ALT+MENU). Function selection and cursor movement is performed with the source selection buttons.



- CH1 - ID Input 5 character label for each source
- CH2 - Date/Time Setup
- CH3 - Sequence (Off to 30 Second) Changes displayed image at programmed intervals when SEQN function is selected
- CH4 - Miscellany. PIP FORMAT- position and number of PIP windows. DATE/TIME-CH DISPLAY - Characters are displayed on the screen over video images.



* NOTE: Date/Time and Channel Display overlay is not available in PC ANALOG or S-VIDEO modes

10 Analog PC Menu Functions

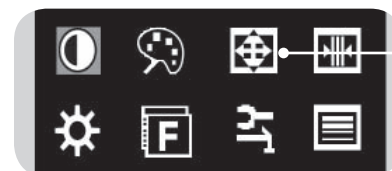


System Menu in Analog PC Mode

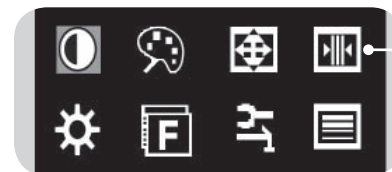
• Menu Selected

* Note: When in PC Analog mode to change the source press the SELECT button with no OSD is displayed on screen

• System Display in Pixels and Frequency



PC Display Position Adjust
 (Not available in Composite or S-Video mode)



PC Image Phase and Clock Adjust
 (Not available in Composite or S-Video mode)



PC Input Automatic Configuration
 (Auto config requires signal to be present on VGA connector)

11 Warranty

Marshall Electronics warrants to the first consumer, that this V-RD151-4 rackmount monitor will, under normal use, be free from defects in workmanship and materials, when received in its original container, for a period of one year from the purchase date. This warranty is extended to the first consumer only and proof of purchase is necessary to honor the warranty. If there is no proof of purchase provided with a warranty claim, Marshall Electronics reserves the right, not to honor the warranty set forth above. Therefore, labor and parts may be charged to you. This warranty does not apply to product exterior and cosmetics. Misuse, abnormal service or handling, improper alterations or modifications in design or construction, voids this warranty. No sales personnel of the seller, nor any other person is authorized to make any warranties other than those described above, or to extend the duration of any warranties on behalf of Marshall Electronics, beyond the time period described above. Due to constant effort to improve products and product features, specifications may change without notice.



V-RD151-4
 Users Guide

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1 Product Overview

The **V-RD151P-4** is space saving monitor in a drawer with a high-resolution 1024 × 768 pixel 15" display. This model also features a Quad Split and Sequential Switcher for composite video signals. The Quad Split feature allows any mix of the four composite video channels to appear on the monitor as real time picture-in-picture images. For added flexibility, this unit can accommodate composite video, Y/C (S-Video) or XGA computer signals for monitoring (S-Video and XGA inputs are only available in full screen mode). All connections are accessed from the rear of the drawer enclosure and include a loop through for each signal. When the display is closed into the drawer, the monitor will automatically be placed into standby mode and a keyed lock is provided for secure transport. V-PS12-5V-1 Power supply and owners manual are included.

2 Features

- High Resolution 1024 × 768 pixels, 786,432 total
- Bright 250 candle luminance
- 4 Video inputs with 75Ω termination and active loop through feature
- Ultra-compact design fits in EIA standard rack 1U high
- Built-in Quad Splitter/Sequential Switcher
- Available in NTSC or PAL format
- Key lock for secure transportation

3 Electrical Specifications

Display (Viewing Area)	15.1" (11.69"H × 9.12"V) (29.7cm × 23.1cm)
Viewing Angle	170° In any direction
Resolution (Dots)	1280H × 768V / 2.95 million pixels
Dot Pitch	0.297mm × 0.302mm
Number of Colors	16.7 Million
Brightness (in cd/m ²)	250 cd/m ²
Contrast Ratio	500:1
System	NTSC - V-RD151-4 PAL - V-RD151-4-PAL
Inputs	Composite-BNC 75W, Y/C (S-Video)-4 Pin Mini-din Female, Scalable XGA HD-15 Female, 12VDC-Conxall Female
Outputs	Composite Active Loop-BNC, SDI Active Loop-BNC, Y/C (S-video) Active Loop-4 Pin Mini-din Female, 10-bit D/A out-BNC
Power required	12VDC, 5.0Amps peak

4 Mechanical Specifications

V-RD151-4 Dimensions	19.12"W × 1.75 "H × 22"D (48.5cm × 4.5cm × 55.8cm)
V-RD151-4 Approx. Weight	24.15 lbs (10.94kg)
V-PS12-5V-1Power Supply Weight	1 lbs (0.45kg)

5 Installation

- The V-RD151-4 includes the following items:
 1. V-RD151-4 Drawer Monitor Assembly
 2. 2 Drawer Lock Keys
 3. 2 Adjustable Rear Support Brackets
 4. 4 Rear Bracket Thumb Screws

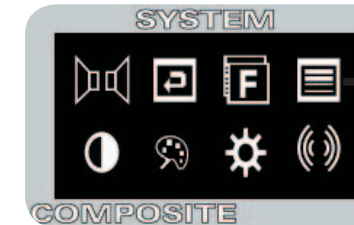
2. 2. Unpack the V-RD151-4, mounting hardware and accompanying V-PS12-5V1 power supply. Physically inspect for any damage that may have occurred during shipping. Should there be any damage, immediately contact Marshall Electronics at 800-800-6608. If you are not located within the continental united states call +1 310-333-0606.

MODE adjustment does not function

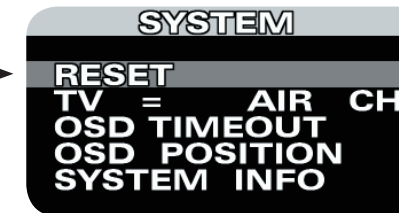


- RESET** - resets the monitor to factory defaults.
- TV** - does not function on this model
- OSD TIMEOUT**- Adjust timeout of menu display. OSD - (On Screen Display)
- OSD POSITION**- adjust placement of OSD
- SYSTEM INFO**- Displays system configuration information

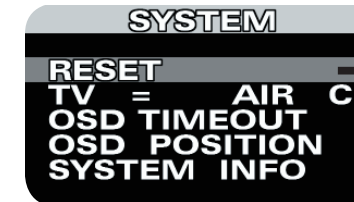
System Functions



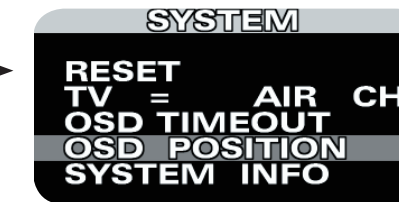
SELECT
Menu Control



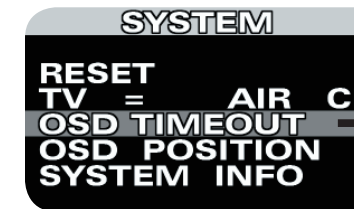
System Reset



SELECT
Menu Control



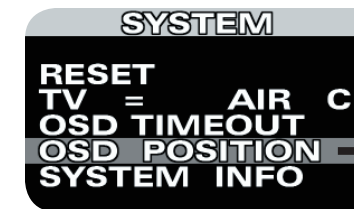
OSD Timeout



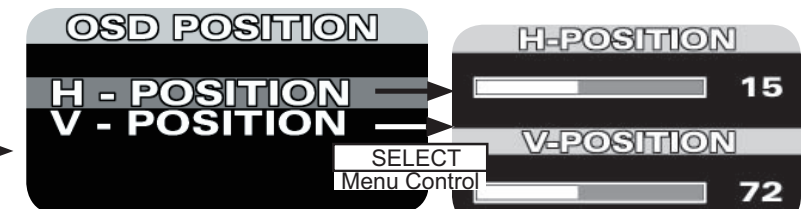
SELECT
Menu Control



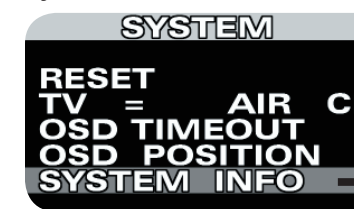
OSD Position



SELECT
Menu Control



System Info



SELECT
Menu Control



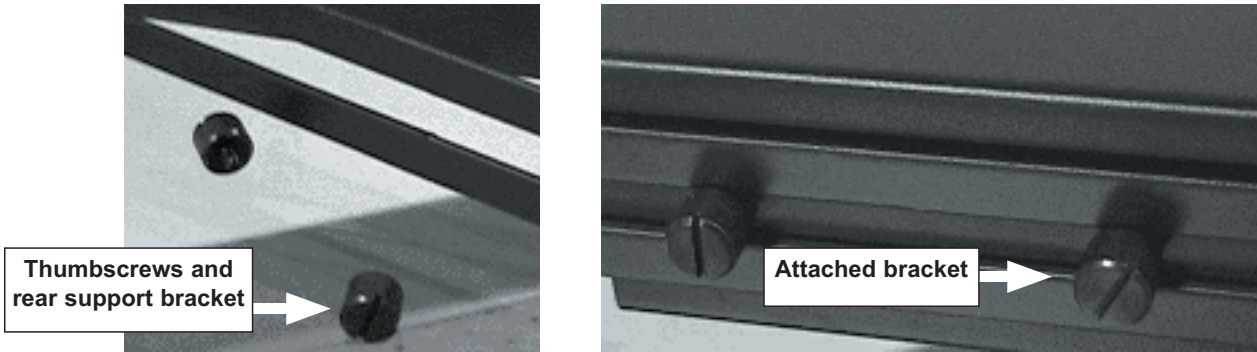
Contrast, Color, Brightness Adjust



Contrast Color Brightness No Function

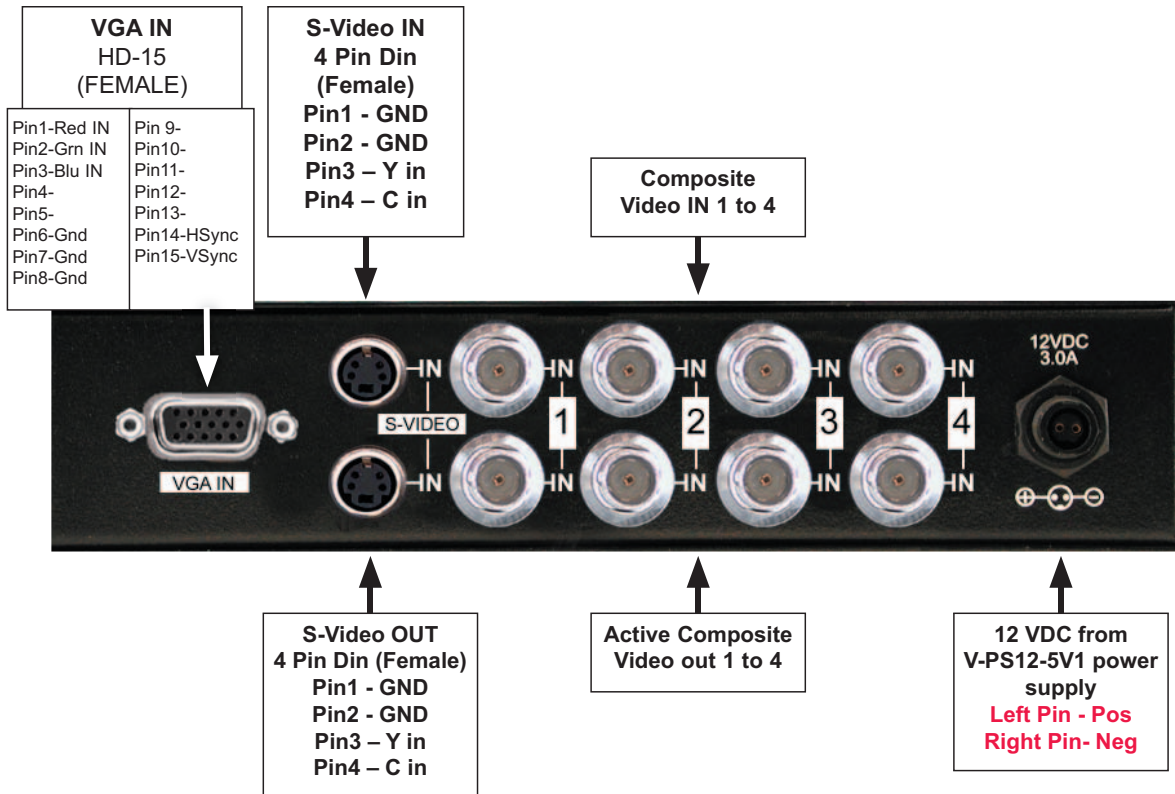


- After inspection, attach adjustable rear support brackets using the supplied thumbscrews and install the V-RD151-4 in your desired location of a standard EIA 19-inch equipment rack. Adequate ventilation is required when installed to prevent possible damage to the internal components.



- Connect required cables for signal input and output.
 - Note: All BNC connectors should be rated for 75Ω.
 - Note: Power must be applied to the V-RD151-4 to activate loop through video connections
- Plug the V-PS12-5V1 power supply into the A.C. source.
- Attach the twist lock Conxal power connection from V-PS12-5V1 power supply to the back of the drawer.
- Completely Slide the V-RD151-4 out from the drawer and tilt to your desired viewing angle.
- Turn on the V-RD151-4 by depressing the power switch located on the front of the unit.

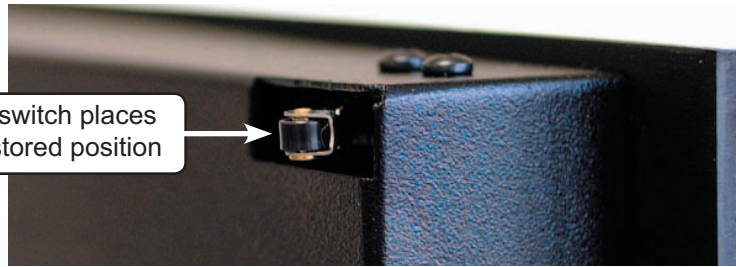
6 Input Connectors



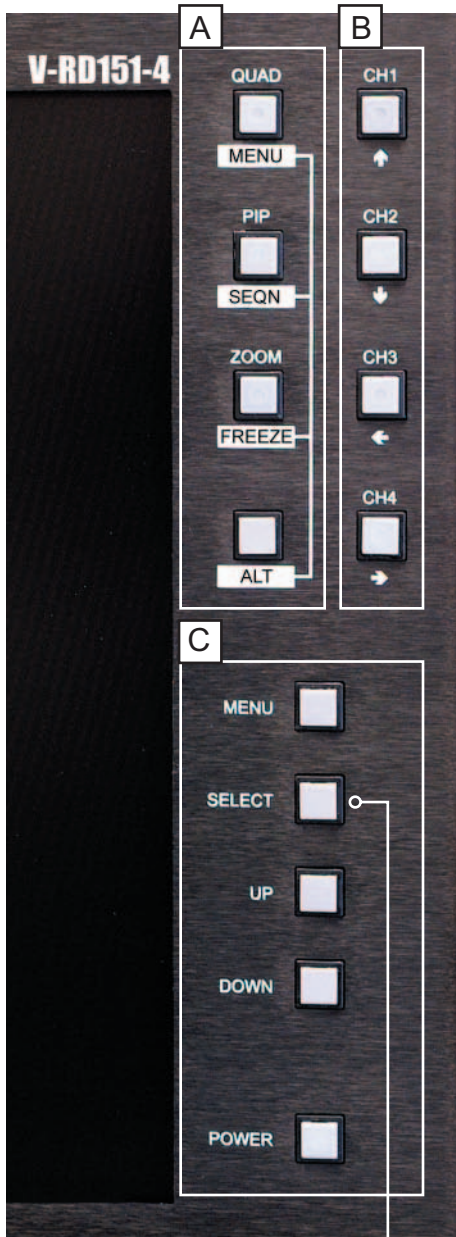
* All Outputs Require Power to be applied for activation

7 Switch Settings and Indicators

Drawer close interlock micro-switch places monitor into standby mode when in stored position



* NOTE: Digital Process Control is not available in PC ANALOG or S-VIDEO modes



A. Digital Process Controls

(DPC)-not available in PC or S-Video Modes

Quad - 4 channels displayed simultaneously on the screen.

PIP - Picture in Picture menu selected display of 2 to 4 channels.

Zoom - expands a selected portion of the display

Freeze - of full screen image

SEQN - menu selected channel display for 2 to 4 channels of full screen image. Sequence switching can be set for 1 to 30 second intervals.

MENU - enables alternate menu

ALT - shift control for selection of highlighted functions

B. Composite Video Controls

Selection for full frame viewing of composite video channels 1 to 4.

Also used for Cursor controls of alternate menu functions.

Illuminates when channel is selected.

C. Primary Menu Controls

Power On/Off selection switch illuminates when monitor is switched on.

8 Primary Menu Functions

Primary menu functions are accessed by pressing the **MENU** button.



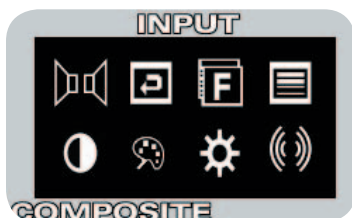
Volume adjustment does not function

PC Analog - Selects input from the HD15 VGA IN connector.

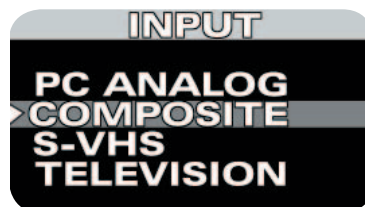
Image is full screen. No DPC functions

Composite - Selects input of composite video 1 to 4 plus DPC functions

Displayed source selection



SELECT
Menu Control



S-VHS - Selects input from the S-VIDEO IN connector. Image is full screen. No DPC functions

Television - does not function on this model