5. Source Menu (Use UP/ DOWN/ RIGHT buttons to select function)

	TV	S-Video	Video	PC
Analog RBG (PC)	✓	✓	✓	✓
Composite Video	✓	✓	✓	✓
S-VHS Video	✓	✓	✓	✓
T V	✓	✓	✓	✓

Analog RGB – Select the on screen source display to be from the HD-15 PC connector on the rear of the unit. Audio speakers will be from the red and white RCA connectors.
Composite Video – Select the on screen source display to be from the White RCA (Video) connector on the rear of the unit. Audio speakers will be from the red and white RCA connectors.
S-VHS Video – Select the on screen source display to be from the White RCA (Video) connector on the rear of the unit. Audio speakers will be from the red and white RCA connectors.
TV – Select the on screen display and speakers source input to be from the internal TV Tuner

❸ The Quad Splitter

The quad splitter buttons, located on the left of the unit, are dual function buttons, the functions are indicated above and below each button. The top four buttons are used to select the video channel, in the zoom mode and the setup mode, these buttons will be used to navigate around the screen and will be explained later. The bottom four buttons are used to setup the quad splitter and also to use the digital freeze, sequential switcher functions and setup menu. To access these functions it is necessary to press the ALT button along with the desired function, ie. for the FREEZE function, press the ALT button and the FREEZE button together. The bottom row of buttons are used as follows:

Video Loss Detection: This unit is equipped with video loss detection. Should any signal get lost, the unit will automatically go into a Quad-Splitter mode and "No Signal" will blink in the corresponding quadrant to indicate that a video signal has been lost.
ZOOM: Enters the 2X digital zoom mode at the single screen mode. Press once to zoom in, press again to zoom out. The zoom mode is only available in the single screen mode and not in any of the multi-screen modes. In the zoom mode, a boundary will appear in the center of the screen. The buttons with the arrows beneath them can now be used to move the boundary around the screen. To make the boundary fill the entire screen, press the QUAD key, the arrow buttons can still be used to move the zoomed portion around the screen. The zoom mode can be exited by pressing the ZOOM button again.
Picture-In-Picture, PIP: The PIP is a priority monitoring function. While the quad screen gives equal priority, or size to each channel, the PIP gives one channel the full screen with the other three appearing in smaller boxes within the screen. The PIP boxes can be arranged horizontally or vertically via the SETUP menu. To change the priority of the four channels, simply press the PIP button as needed.
Sequential Switcher, SEQN: The sequential switcher can be activated by pressing the ALT and SEQN buttons simultaneously. The time delay for each channel can be set up in the SETUP menu. To skip a channel in the sequence, set the dwell to 0.
Quad-Splitter, QUAD: By pressing the QUAD button, the screen will show all four video inputs simultaneously. Each of the screens can have a user designated ID which is done through the SETUP menu. To exit the quad function, press any of the 4 video channels. The unit will also go into a quad mode when a video signal loss is detected and the quadrant will have "No Signal" signifying video loss detected.
Setup menu, MENU: The SETUP menu can be accessed by pressing ALT and MENU simultaneously. Any of the four sub-menus can be chosen by pressing the corresponding 'CH' button, ie sub-menu 1 is accessed by pressing 'CH 1' button. When a sub-menu is selected, the number in the [ ] will highlight and blink. The bottom of the screen will give any further instructions to navigate through this menu.

❹ Audio

For greater flexibility, the unit allows the user to manually select any video channel with any audio channel by simply selecting a video source and then pressing any of the four audio channels desired. The inputs in the rear of the unit are XLR balanced audio at +4 dBu, the input level meters reflect this reference setting and can only be changed at the factory. Any audio channel can be monitored by pressing the corresponding 'CH' button on the right hand side of the unit. The VOLUME is adjusted using the VOLUME knob on the front of the unit. The unit will also work in a MONO mode by pressing the MONO button. When the MONO function is active, the MONO button will indicate this with a green LED. When HEADPHONES are plugged into the headphone jack, the speakers will be deactivated and only the headphones will be active.

❽ Warranty

Marshall Electronics warranties to the first consumer, that this **V-R154P** rackmount monitor will, under normal use, be free form 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.
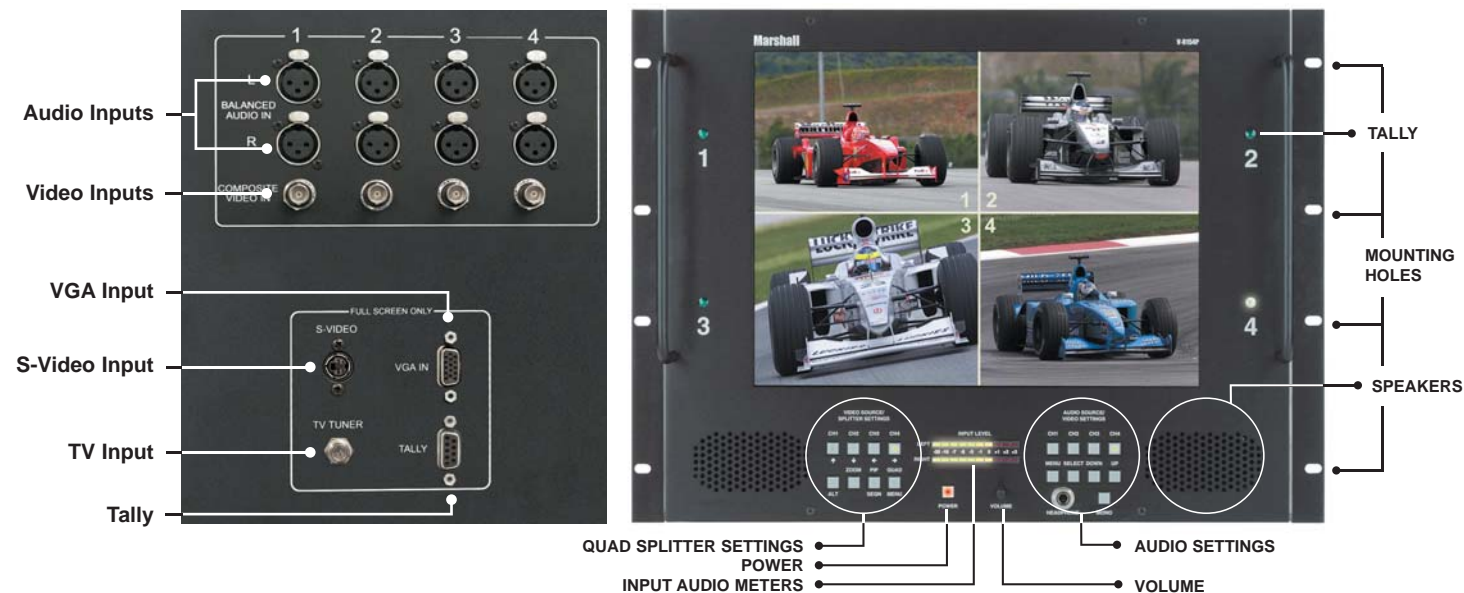Due to constant effort to improve products and product features, specifications may change without notice.

V-R154P Users Guide

**15" Rackmountable LCD PANEL
with Quad-Splitter & Balanced Audio**

11/30/2006

Audio Inputs
Video Inputs
VGA Input
S-Video Input
TV Input
Tally

TALLY
MOUNTING HOLES
SPEAKERS

QUAD SPLITTER SETTINGS
POWER
INPUT AUDIO METERS
AUDIO SETTINGS
VOLUME

Display (Viewing area)	15.1" (11.69" x 9.12")	
Resolution (Pixels)	1024 H x 768 V	
Dot Pitch	0.297 mm x 0.302 mm	
Brightness (in cd/m²)	250 cd/m²	
System	NTSC - V-R154P PAL - V-R154P-PAL	

Inputs	**VIDEO** 1 S-Video, 4 Composite,1 XGA, 1 RF(TV) (NTSC only) **Audio** 8 Balanced XLR, 1 RF Stereo pair (TV)
Dimensions	19.12"Wx13.80"Hx3.33"D
Approx. Weight	14 lbs
Power Consumption	12 VDC, 5.0 Amps

❶ Installation

1) Before Installation
• Before using your monitor, make sure to read this manual carefully. In case of any problems with installation, contact Marshall Electronics.
• The monitor should be handled with caution and not be exposed to impact or shock.
• Do not expose the monitor in high temperature or in high humidity.

2) Connections
The rear of the unit has four BNC connectors for the video inputs and eight XLR connectors for audio. Beneath them are the S-Video, TV, VGA, and Tally connectors

3) Tally
The V-R154P has a TALLY system that is based on a closed contact format where PIN 4 is the COMMON and tally light one is on pin 3, tally light 2 is on pin 1, tally light 3 is on pin 7, and tally light 4 is on pin 5. The light will come on by **closing** the two contacts together. **DO NOT GIVE POWER TO THIS CONNECTOR IT IS SELF-POWERED.**

4) Mounting
The V-R154P is designed to fit in a EIA standard 19" rack. It requires 8 rack units of vertical space and is secured with eight screws. It may be necessary to center the unit up or down so that it does not touch any adjacent units when the unit is tilted up or down.

❷ Menu Functions *Note: MENU select will toggle through 5 menus, PICTURE, SCREEN, FUNCTION, SOURCE and TV*

1. Picture Menu (Use UP/DOWN/LEFT/RIGHT buttons to select function)

	TV	S-Video	Video	PC
Brightness	✓	✓	✓	✓
Contrast	✓	✓	✓	✓
Sharpness	✓	✓	✓	
Tint	✓	✓	✓	
Phase				✓
Color	✓	✓	✓	
Color temp				✓

2. Function Menu (Use UP/DOWN/LEFT/RIGHT buttons to select function)

	TV	S-Video	Video	PC
Auto Configure				✓
DPMS		✓	✓	✓
Reset	✓	✓	✓	✓
OSD Time Out	✓	✓	✓	✓
Sleep Timer	✓			
Language				

AUTO Configure – Used for PC signals to auto fit image to screen.
DPMS – When selected to ON, the Digital Power Management System will place the monitor into standby when there is no input signal for 12 seconds and will automatically turn on the monitor when a signal is applied to the last selected source.
Reset – Restores the monitor to factory settings
OSD TIME-OUT – Set time in seconds (0 to 60) for OSD to drop from screen after last button push
SLEEP TIMER – Used to automatically turn monitor off after programmed delay
Language – Not Used

3. TV SETUP MENU (Use UP/DOWN/LEFT/RIGHT buttons to select function)

	TV	S-Video	Video	PC
Auto Search	✓			
Manual Search	✓			
Auto Fine Tune	✓			
Fine Tune	✓			
TV Source	✓			

AUTO Search – Will scan through all channels to find available signals and automatically program the tuner.
Manual Search – Use to scan individual channels to add or eliminate channels of the tuner
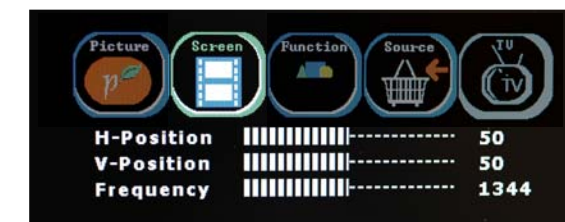**Auto Fine Tune** – Set to ON for automatic adjustment of each channel to achieve the strongest signal. Set to OFF to enable manual adjustment of the TV tuner.
Fine Tune – When AUTO FINE TUNE is off, this function will be enabled for manual adjustment of the TV tuner
TV Source – Select between off air signals (Channels 2-69) or RF Cable system (Channel 1-125)

Fine Tune Menu

4. Screen Menu (Use UP/ DOWN/ LEFT/ RIGHT buttons to select function)

	TV	S-Video	Video	PC
H-Position				✓
V-Position				✓
Frequency				✓

V-Position – Use LEFT and RIGHT buttons to adjust horizontal position of the PC Image
H-Position – Use LEFT and RIGHT buttons to adjust vertical position of the PC Image
Frequency – Use LEFT and RIGHT buttons to adjust the pixel clock width of the PC Image

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