

Marshall Electronics

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V-R682P Users Guide

Warranty

Marshall Electronics warrants to the first consumer, that this V-R682P Dual 6.8 inch LCD rack mounted monitor set 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 purchasing end user 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.

An extra note about LCD displays: It is considered normal for a minimal amount of pixels, not to exceed three, to fail on the periphery of the display active viewing area. Marshall Electronics has the option to reserve service for display pixel failure if deemed unobtrusive to effective use of the monitor by our technicians.

Due to constant effort to improve products and product features, specifications may change without notice.

Product Overview	1
Features	2
Electrical Specifications	3
Mechanical Specifications	4
Operational Setup	5
Connectors	6
Switch Settings and Indicators	7
Warranty	8

Product Overview

The **V-R682P** is a rack-mounted unit that has two 6.8" active matrix LCD panels with 4:3 aspect ratio. The panels have 384 x 234 dots (RGB pixels) producing a true high-resolution image. There are 2 composite inputs with dedicated A/B switching per display. An active loop through feature is also provided for each input. The unit is designed to fit into an EIA standard 19" rack and occupies 3RU of space. Each screen has a built-in color bar generator. For ease of operation the V-R682P includes dedicated individual front mounted selector buttons with LED indicators plus color, tint, brightness and contrast controls. A U.L. Class 2 power supply is included and the unit is factory ready for rack mount installation.

Features

- Small Footprint – occupies only 3RU of a standard EIA 19 inch rack
- Ready to mount – all brackets are factory installed
- Lightweight - Save over 30 pounds when compared to similar CRT models
- All adjustments and selections are readily available. No menus!
- Easy to use front panel selection of inputs
- NTSC or Pal operation with automatic signal format detection
- Switched A/B Composite inputs with active loop out
- All inputs automatically terminate
- Built in color bar generator for each display
- Includes V-PS12-3.3A Universal power supply (U.L. class 2)



Electrical Specifications

Display (Viewing Area)	6.8" (5.44" x 4.07") (138.24mm x 103.43mm)
Screen Aspect	4:3
Resolution (Dots)	384H x 234V (270,000 RGB pixels)
Dot Pitch	0.120mm(W) x 0.442mm (H)
Pixel Response Time	25ms typical
Brightness (in cd/m ²)	300 cd/m ²
Contrast Ratio	150:1
System	PAL or NTSC with automatic detection. NTSC signal complies to SMPTE RS-170M
Inputs per panel	2 BNC Composite Analog self terminating 75Ω
Outputs per panel	2 BNC Composite Analog Active Amplification applied from input signal
Color Bar Signal	Full field SMPTE
Power required	12 V D.C. from external power supply (included) max 3.0 AMP
Operating temperature	32° F to 110° F (0° C to 45° C)

Mechanical Specification

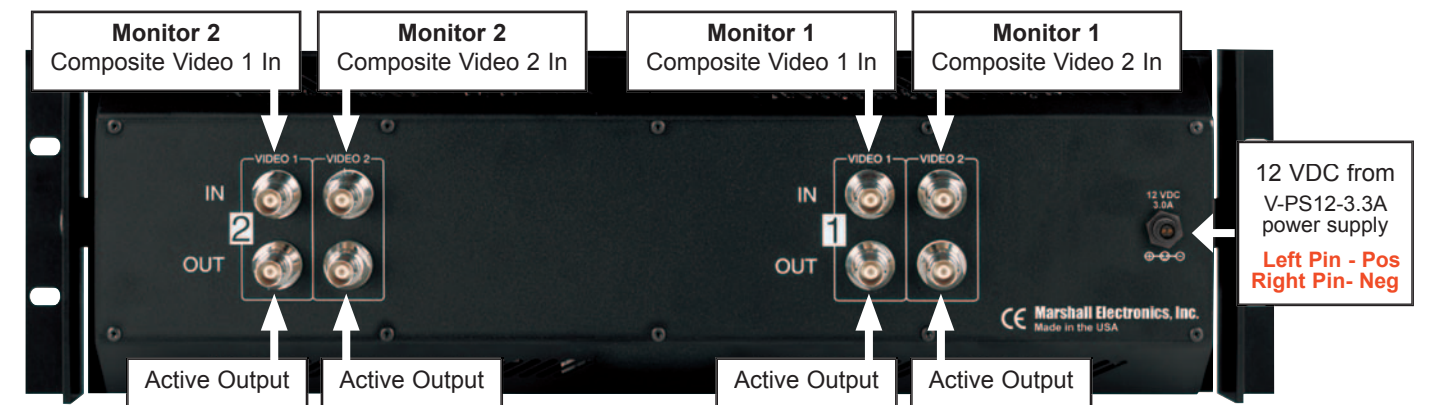
Dimensions	19.125"W x 2.5"D x 5.25"H (48.57cm x 6.35cm x 7.79cm)
V-R682P Weight	5.0 lbs (2.27kg)
V-PS12-3.3A Power Supply Weight	1 lbs (0.454kg)

Operational Setup

1. Unpack the V-R682P and accompanying V-PS12-3.3A 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.
2. After inspection, install in your desired location of a standard EIA 19-inch equipment rack. Adequate ventilation is required when installed to prevent possible damage to the V-R682P internal components.
3. Connect required cables for signal input and output.
Please note that power must be applied to the V-R682P for the output to be activated.
All BNC connectors should be rated for 75Ω.
4. Plug the V-PS12-3.3A power supply into the A.C. source
5. Attach twist lock power connection from V-PS12-3.3A power supply to the back of the unit. Turn on the V-R682P by depressing the power switch located on the front of the unit.

Connectors

* Video Outputs Require Power to be applied for activation



Switch Settings and Indicators

