

**Operating Notes**

It is impossible review all of the functions of the OR-901-3GSDI in this quick start document. Below is a brief description of a few of the features.

**User Marker:**

This is for marking a particular area of the screen where a logo or titles may appear.

- In the main menu all marker selections must be OFF except for user marker.
- User Marker must be assigned to a Function Key.
- When selected follow screen prompts to adjust size and location.

**G-Marker:**

This will display a grid generated by the internal gyroscope as a "Monitor Level Assist".

- Pressing the corresponding Function Key will turn the G-Marker ON and OFF.
- To calibrate the G-Marker to a known attitude, Press and HOLD the corresponding Function Key.

**3-D Monitor Functions:**

The Orchid OR-901-3GSDI includes several modes to assist the camera operator during 3-D production.

- The 3-D function requires a Single Link SBSH (Side by Side Half) formatted input.
- Anaglyph RED / CYAN glasses (model GL-ARC) are required to view 3-D Anaglyph images.
- There are five 3-D Review modes available from the SCREEN menu:
  1. LEFT EYE
  2. RIGHT EYE
  3. BLENDING
  4. LUMINANCE DIFFERENCE
  5. CHROMA DIFFERENCE
- There are Four Anaglyph 3-D viewing modes available from the SCREEN menu:
  1. COLOR
  2. HALF COLOR,
  3. OPTIMIZED,
  4. GRAY

**Warranty**

Marshall Electronics warranties to the first consumer that this **OR-901-3GSDI** LCD 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 the consumer. This warranty does not apply to the product exterior or cosmetics. Misuse, abnormal handling, alterations or modifications in design or construction void this warranty. *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 reserves the option to refuse service for display pixel failure if deemed unobtrusive to effective use of the monitor by our technicians. No sales personnel of the seller or 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

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**Marshall Electronics****OR-901-3GSDI**

9" Camera Assist Field Monitor with Waveform, Vector Scope, Audio Meters, Audio Phase Display  
And 3-D production modes

**Quick Start Guide**

For complete instructions, visit Marshall Electronics at [www.lcdracks.com](http://www.lcdracks.com)

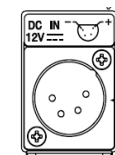
**Product Overview**

The OR-901-3GSDI is a full featured camera top and field LCD monitor with dual 3G-SDI inputs. The OR-901-3GSDI has multiple analysis utilities such as Waveform Monitor, Vector Scope, Audio Level Meters and Audio Phase display to assist the videographer without the expense of multiple test instruments. Additionally the OR-901-3GSDI includes multiple modes to assist in the production of 3D content. The 960 x 540 resolution panel was chosen to allow monitoring of HD 1920 x 1080 video formats without scaling artifacts. The OR-901-3GSDI comes with a large external tally when used in view finder applications. The Light weight and slim profile provide great portability and ease of use.

**Installation and Accessories**

Carefully unpack the OR-901-3GSDI and verify that the following items are present:

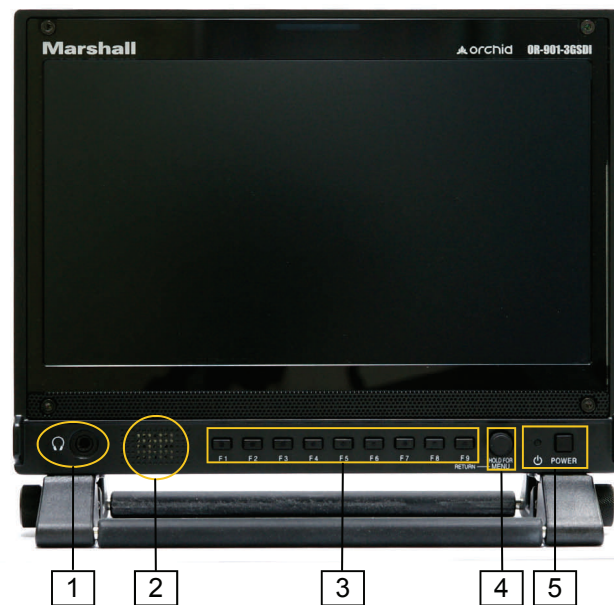
- OR-901-3GSDI with attached stand and top carrying handle
- 12 volt AC/DC Power adaptor
- Regional power cord
- Quick Start Guide
- Spare "On Air" tally
- 1 pair GL-ARC 3-D glasses



4-pin XLR connector  
 -. PIN 1: GND  
 -. PIN 2: N.C.  
 -. PIN 3: N.C.  
 -. PIN 4: +12VDC

14.4V (Anton Bauer-Mount),  
 7.2V (Small battery mount).  
 Operating voltage 7-30VDC

**OR-901-3GSDI Front — Overview**



1. 3.5mm Headphone Jack
2. Speaker
3. User Assign Function Keys (9)
4. Roto Menu and Variable Level control
5. Power Switch and Indicator

F Key	Default Function
1	INPUT 1
2	INPUT 2
3	SCAN
4	ASPECT
5	MARKER
6	ZOOM
7	WAVEFORM
8	VECTOR SCOPE
9	AUDIO LEVEL METERS

**Rotary Knob Assignable Functions**

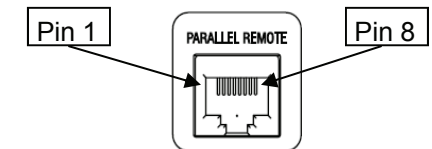
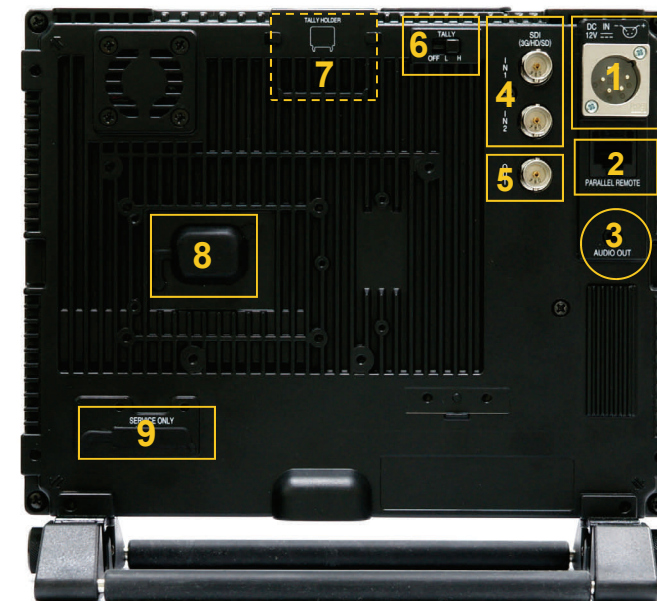
BRIGHT	SHARPNESS
CONTRAST	VOLUME
SATURATION	PEAKING

*Note: When not in Menu mode pressing the Rotary knob will select between the six Rotary Functions.*

**Function Keys**

F-1 Through F-9 Available User Functions			
INPUT 1	ASPECT	AUDIO PRESET 4	WAVEFORM MON
INPUT 2	ZOOM	AUDIO PRESET 5	VECTORSCOPE
GAMMA 1.0	HV DELAY	AUDIO PRESET 6	CLIPGUIDE
GAMMA 1.8	MARKER	AUDIO PRESET 7	TIMECODE
GAMMA 2.0	USER MARKER	AUDIO PRESET 8	HISTOGRAM
GAMMA 2.2	G-MARKER	AUDIO MUTE	FALSE COLOR TG
GAMMA 2.4	AUDIO METER	LAYOUT WFM	FALSE COLOR MTF
GAMMA 2.6	AUDIO PEAK LOG	LAYOUT WAV	PEAKING COLOR
WHITEBALANCE D65	AUDIO MONITOR	LAYOUT VS	3D REVIEW
WHITEBALANCE D93	AUDIO PRESET 1	LAYOUTALM 16	ANAGLYPH
MONO	AUDIO PRESET 2	LAYOUT QUAD	PEAKING COLOR
COLOR CHANNEL	AUDIO PRESET 3	LAYOUT QUAD 2	FAN STOP
SCAN			

**OR-901-3GSDI Rear — Overview**



**Remote pin assign**

PIN	DEFAULT	NOTE
1	RED TALLY	1
2	GREEN TALLY	1
3	BLUE TALLY	1
4	MARKER	1
5	GROUND	2
6	INPUT 1	1
7	INPUT 2	1
8	ASPECT	1

Notes: 1. Internally pulled up with resistor  
 2. Fixed as Ground

1. 4-Pin XLR male Power Connector
2. Parallel Remote Connector (RJ-45 User Assignable Functions)
3. 3.5mm Stereo Line Output Jack
4. 3G/SD/HD-SDI Inputs (BNC)
5. Re-clocked 3G/SD/HD-SDI Output (BNC)
6. On Line Tally OFF / DIM / ON Switch
7. On Line Tally Indicator Storage Area
8. External Battery Connector (for use with optional battery mounts)
9. Service Port (for use with optional OR-SM service module to upgrade firmware and perform color calibration)