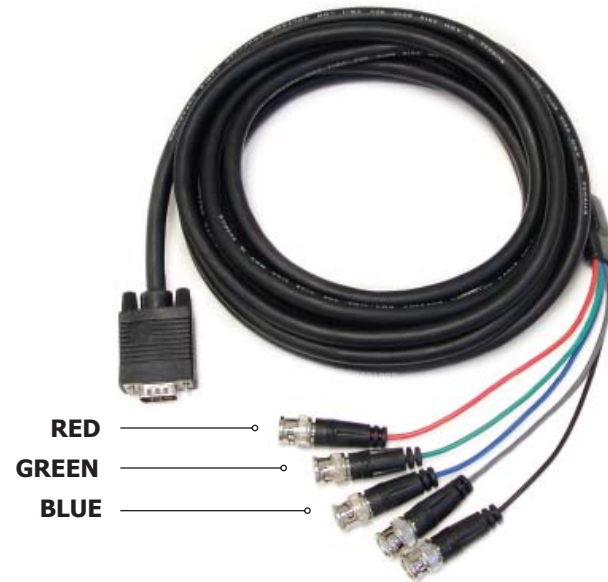


⑦ Composite Video using RGB-HD15-X Cable

Gray and Black are not active when used for composite video or component video signals.

1. Composite Video Signal 1 on RED
2. Composite Video Signal 2 on Green
3. Composite Video Signal 3 on Blue



DB HD-15 Female Connector Output	DB HD-15 Female Connector Input	6 VDC from
Pin-1 Red Out	Pin-1 Red In	V-PS6-1.2A power supply
Pin-2 Green Out	Pin-2 Green In	Left Pin - Pos
Pin-3 Blue Out	Pin-3 Blue In	Right Pin- Neg
Pin-4	Pin-4	
Pin-5	Pin-5	
Pin-6 Ground	Pin-6 Ground	
Pin-7 Ground	Pin-7 Ground	
Pin-8 Ground	Pin-8 Ground	
Pin-9	Pin-9	
Pin-10	Pin-10	
Pin-11	Pin-11	
Pin-12	Pin-12	
Pin-13 VS Out	Pin-13 VS In	
Pin-14 HS Out	Pin-14 HS In	
Pin-15	Pin-15	

⑧ Warranty

Marshall Electronics warrants to the first consumer, that this MD-0514 Distribution Amplifier 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.

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MD-0514
Distribution Amplifier
Users Guide

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Warranty	⑧

① Product Overview

The **MD-0514** is a multiformat 1 x 4 distribution amplifier, with signal bandwidth up to 350 MHz. This module can be used with VGA, SVGA, XGA, UXGA signals. An optional HD15 to 5 BNC cable (RGB-5HD15-X) can be used for RGBHV, Y-Pr-Pb, YUV, RGB, and composite signals. Supports screen formats up to 0 x 1080

② Features

- Signal Bandwidth up to 350Mhz
- Multiple applications
- HD-15 Input Connection self terminating 75Ω
- 4 HD-15 Output Connections
- All connections in rear of module
- Includes Power Supply Model V-PS6-1.2A
- Install in wall with supplied brackets or use on the desktop

③ Electrical Specifications

Signal Input	HD-15 (VGA, SVGA, XGA, UXGA, RGBHV, YUV, Composite)
Signal Output	4 HD-15
Frequency Response	10 to 350 MHz
K factor	<1%
Signal to Noise	>70 db
Dynamic gain/phase	<1% / <1°
Cable length	250'
Power required	6 Volt D.C. supplied from V-PS6-1.2A (included) (1.2Amp Max)

④ Mechanical Specifications

Dimensions	7.625"W x 4.125"D x 1.0"H
MD-0514 Weight	1.15 lbs (.52kg)
V-PS6-1.2A Power Supply Weight	0.20 lbs (0.10kg)

⑤ Optional Accessories



Cable: RGB-5HD15-X
(X = Length in feet 6, 10, 15, 20)



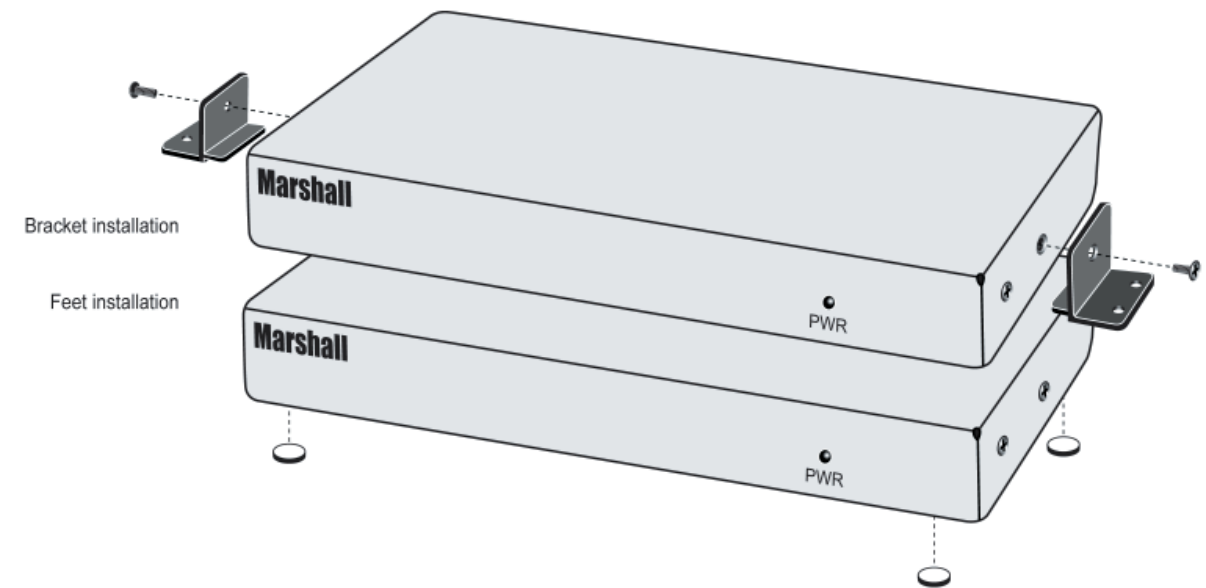
V-CB1 Stand



⑥ Operational Setup

1. Unpack the MD-0514, and accompanying V-PS6-1.2A power supply and physically inspect for any damage that may have occurred during shipping. Also verify there is a small package with mounting accessories. 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. Install in your desired location. If wall mounting is required, attach the mounting brackets by removing the Phillips head screws on the sides, closest to the rear of the unit. (See below) Only one screw per side should be removed. Use the same screw to attach the bracket with the flange facing away from the side and parallel to the front of the MD-0514 metal case. The flange has two holes. For desktop use, apply the supplied rubber pads.



Determine your signal configuration from the table below:

INPUT SIGNAL	CABLE	OUTPUT SIGNAL	CABLE
VGA from Computer	HD-15 Male to Male (Customer supplied)	VGA to Projector	HD-15 Male to Male (Customer supplied)
VGA from Computer	HD-15 Male to Male (Customer supplied)	RGBHV to Projector or Monitor	RGB-5HD15-X (X=length) (6,10, 15, 20 feet)
RGBHV	RGB-5HD15-X (X=length) (6,10, 15, 20 feet)	RGBHV to Projector or Monitor	RGB-5HD15-X (X=length) (6,10, 15, 20 feet)
Y-Pr-Pb or RGB From camera	RGB-5HD15-X (X=length) (6,10, 15, 20 feet)	Y-Pr-Pb or RGB to monitor	RGB-5HD15-X (X=length) (6,10, 15, 20 feet)
Composite Video group (RGB BNC) (3 Signals)	RGB-5HD15-X (X=length) (6,10, 15, 20 feet)	Composite Video group (RGB BNC) (3 Signals)	RGB-5HD15-X (X=length) (6,10, 15, 20 feet)

3. Connect required cables for signal input and output.

Note that 3 Composite video signals can be applied for distribution on the Red, Green, and Blue BNC connections of RGB-HD15-X breakout cable. (See Illustration next page)

4. Plug the power supply into the A.C. source

5. Attach power connection to the back of the unit to turn on power. Verify power on indicator active on the front of the MD-0514