



RGBHV Distribution Amplifiers

Models 1T-DA-462

1T-DA-462 RGBHV Distribution Amplifier provides 2 VGA type outputs plus Stereo Audio for use in any situation requiring multiple outputs from a single PC or other RGB video source. The video bandwidth in excess of 450MHz handles computer resolutions up to 2560x1600 at distances up to 300 feet from the source without signal deterioration. The D.A. provides VESA industry standard DDC (Data Display Channel) bi-directional communications for host control of the downstream monitors. Input and Output Video connectors are high quality HD-15 type. The product is FCC & CE approved and are RoHS compliant. The power supply is UL, CE, CSA approved and RoHS compliant.

The 1T-DA-462 is housed in small, rugged plastic case. It requires 5VDC and can be powered from a USB cable or an external AC Power Adapter, both of which are included. Various cable lengths are available as optional accessories.

Specifications

PC Video Input	
Signal Type	RGBHV, RGBS, RGsB
Connector	1x HD-15 Female
R-G-B Level Range	0.5-2.0 Vp-p
Maximum Resolution	2560x1600
PC Audio Input	
Connector	1x 3.5mm Stereo Audio
Bandwidth/Level	20Hz-30KHz@0.5 to 1Vp-p
PC Video Outputs	
Connector	2x via HD-15 Female Connectors
PC Audio Outputs	
Connector	2x 3.5mm Stereo Audio
General	
R-G-B Bandwidth	450+MHz
Maximum Distance	Up to 300' from amplifier (Note 1)
DDC Capability	DDC1, DDC2, DDC2B (Port 1)
Mechanical	
Size (H-W-D)	0.9"x3.5"x3.5" (23x86x86mm)
Weight (Net)	3.35oz (95g)
Warranty	
Limited Warranty	2 Years Parts and Labor



Key Features of the 1T-DA-462

- Drives Monitors up to 300 feet away
- 450+MHz Signal Bandwidth
- Max Resolution 2560x1600
- Locking DC Power Connector for Security
- Distributes both Video and Audio
- Units can be cascaded for even greater flexibility

Environmental

Operating Temperature	0° to +40° C (+32° to +104° F)
Operating Humidity	10% to 85%, Non-condensing
Storage Temperature	-20° to +60° C (+20° to +140° F)
Storage Humidity	10% to 85%, Non-condensing

Power Requirement

External Power Supply 5VDC@2A - Locking Plug

Regulatory Approvals

Amplifier Units	FCC, CE, RoHS
Power Supplies	UL, CE, CSA, RoHS

Accessories Included

1x AC Power Adapter	US, UK or Euro or Type
1x USB Power Cable	
1x Operations Manual	

Product Item Numbers

1T-DA-462P	1 In, 2 Out VGA Video/Audio D.A.
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Optional Accessories

Output Cables	Various Lengths: 6' thru 200'
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Notes

(1) To achieve the rated specifications, you must use premium cables such as TV One's Z-Plus brand or equivalent.

Panel Drawings

