

USER MANUAL

Model:

CVG-VP2XL, 1:2 VGA Distributor



For maximum results, use Comprehensive Brand Premium High Resolution cables and connectors.

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1 Introduction

Congratulations on purchasing your **CVG-VP2XL 1:2 VGA Distributor**.

This product is ideal for:

- Dual monitor desktop multimedia or teleconference systems
- Schools, churches, A/V technicians, rental/staging
- Presentation systems requiring a local monitor and projector operating simultaneously

The package includes the following items:

- **CVG-VP2XL 1:2 VGA Distributor**
- Power cord
- This user manual

2 Getting Started

We recommend that you:

- Unpack the equipment carefully and save the original box and packaging materials for possible future shipment
- Review the contents of this user manual

3 Overview

Your high performance **CVG-VP2XL 1:2 VGA Distributor** is a 1:2 distribution amplifier for VGA and audio stereo signals. In particular, the **CVG-VP2XL 1:2 VGA Distributor**:

- Accepts one set of inputs, provides proper buffering and isolation and then distributes the signal to 2 identical outputs using 15 pin HD connectors for VGA and dual RCA connectors for audio stereo
- Includes separate audio and VGA gain controls¹ to adjust the audio output level, and to compensate for video signal loss inherent with long cable runs
- Is ideal for dual monitor applications, or presentation systems that require a local monitor and a large screen display device
- With its video bandwidth of 340 MHz, ensures transparent operation at the highest resolutions

¹ The Audio Level and the VGA Level knobs, respectively

Achieving the best performance means:

- Connecting only good quality connection cables, thus avoiding interference, deterioration in signal quality due to poor matching, and elevated noise levels (often associated with low quality cables)
- Avoiding interference from neighboring electrical appliances that may adversely influence signal quality and positioning your **CVG-VP2XL** in a location free from moisture and away from excessive sunlight and dust

4 Your VGA Distributor

Figure 1 and Tables 1 and 2 define the **CVG-VP2XL 1:2 VGA Distributor**:

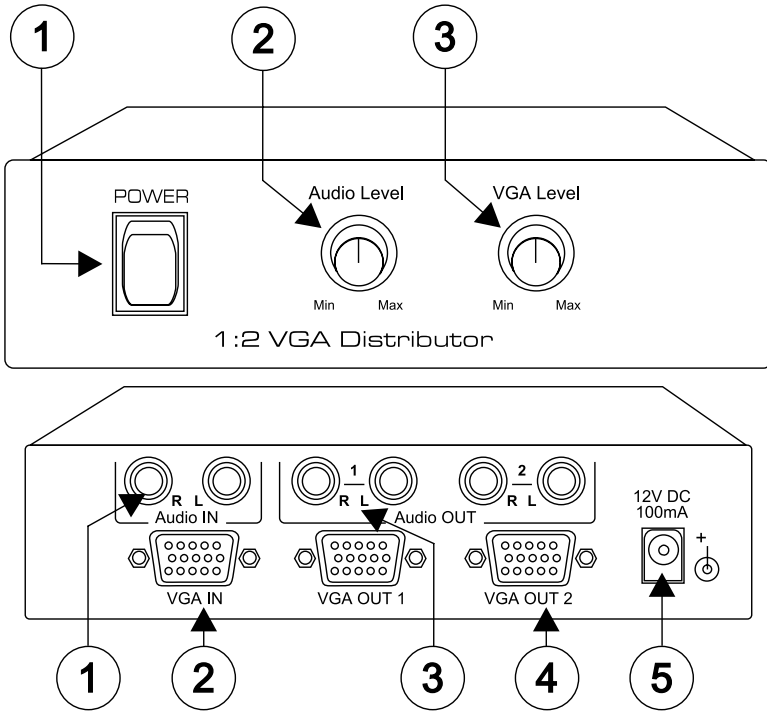


Figure 1: CVG-VP2XL 1:2 VGA Distributor

Table 1: Front Panel CVG-VP2XL 1:2 VGA Distributor Features

#	Feature	Function
1	POWER Switch	Illuminated switch supplying power to the unit
2	Audio Level Control Knob	Adjusts the audio level
3	VGA Level Control Knob	Adjusts the VGA level

Table 2: Rear Panel CVG-VP2XL 1:2 VGA Distributor Features

#	Feature	Function
1	Audio IN (R and L) RCA Connectors	Connect to the balanced audio source
2	VGA IN HD15F connector	Connects to the VGA source
3	Audio OUT (R and L) RCA Connectors	Connect to the balanced audio acceptors (from 1 to 2)
4	VGA OUT HD15F Connectors	Connect to the VGA acceptors (from 1 to 2)
5	12V DC 100mA	+12V DC connector for powering the unit

5 Connecting the VGA Distributor

To connect your CVG-VP2XL, do the following¹:

1. Connect the VGA video source and acceptors, as well as the audio source and acceptors.
2. Set the Audio Level and VGA Level control knobs to their mid-position.
3. Connect the power cord.

6 Technical Specifications

Table 3 includes the technical specifications:

Table 3: Technical Specifications of the CVG-VP2XL 1:2 VGA Distributor

Inputs:	Analog red, green, blue signals - 0.7 Vpp / 75Ω, H & V sync, TTL level, on HD15F connector
Outputs:	2 analog red, green, blue signals - 0.7 Vpp / 75Ω, H & V syncs, TTL level, on HD15F connectors
Video Bandwidth:	340 MHz -3dB
Audio Bandwidth:	100 kHz
VGA Level Control:	-0.7 to +5.1dB
Audio Control:	-55 dB to +6dB
Diff. Gain:	0.04%
Audio THD:	0.02%
Diff. Phase:	0.07 Deg.
Audio 2nd Harmonic:	0.003%
Video S/N Ratio:	77 dB
Audio S/N Ratio:	85 dB
Dimensions:	16.5cm x 12 cm x 4.5 cm (6.5" x 4.7" x 1.7"), W, D, H.
Power Source:	12 VDC, 100mA
Weight:	0.7 kg. (1.5 lbs.) approx.
Accessories:	Power supply

¹ Switch OFF the power on each device before connecting it to your CVG-VP2XL. After connecting your CVG-VP2XL, switch on its power and then switch on the power on each device