

Comprehensive[®]
VIDEO GROUP
The Interface Place[®]

PREMIUM INTERFACE PRODUCTS

USER MANUAL

Model:

CVG-VP6xl

1:6 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-VP6xl 1:6 VGA Distributor**. This product is:

- Ideal for any professional system requiring superb VGA/XGA distribution to multiple monitors / projectors
- Easily expandable to create larger systems
- Ideal as a multi-channel video DA for other signal formats via adapter cables

The package includes the following items:

- **CVG-VP6xl 1:6 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

The high quality **CVG-VP6xl 1:6 VGA Distributor** is a 1:6 distribution amplifier designed for VGA-type signals including VGA, SVGA, XGA and UXGA. It accepts an input, provides necessary buffering and isolation and then distributes the signal to 6 identical outputs. In addition, the input and outputs are DC coupled and conform to the highest standards.

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-VP6xl** unit 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-VP6xl 1:6 VGA Distributor** unit:

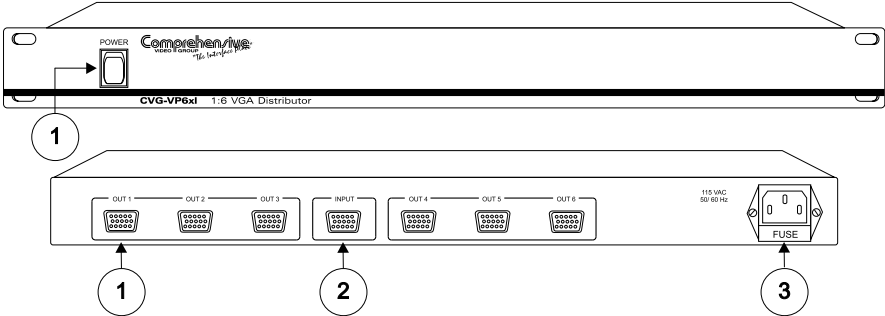


Figure 1: CVG-VP6xl 1:6 VGA Distributor

Table 1: Front Panel CVG-VP6xl 1:6 VGA Distributor Features

#	Feature	Function
1	Power Switch	Illuminated switch supplying power to the unit

Table 2: Rear Panel CVG-VP6xl 1:6 VGA Distributor Features

#	Feature	Function
1	OUT HD15F Connector	Connect to the VGA/XGA acceptor (from 1 to 6)
2	INPUT HD15F Connector	Connect to the VGA/XGA source
3	Power Connector with FUSE	AC connector enabling power supply to the unit

5 Connecting Your CVG-VP6xl 1:6 VGA Distributor

To connect the **CVG-VP6xl 1:6 VGA Distributor** to up to 6 outputs, do the following¹:

1. Connect an XGA source (for example, a PC's digital graphics card) to the INPUT HD15F connector.
2. Connect the OUTPUT HD15F connectors to up to 6 XGA acceptors², as follows:
 - Connect the OUTPUT 1 connector to Acceptor 1 (for example, an analog monitor)
 - Connect the OUTPUT 2 connector to Acceptor 2 (for example, a projector)
 - Connect the OUTPUT 3 connector to Acceptor 3 (for example, an analog monitor)
 - Connect the OUTPUT 4 connector to Acceptor 4 (for example, a projector)
 - Connect the OUTPUT 5 connector to Acceptor 5 (for example, an analog monitor)
 - Connect the OUTPUT 6 connector to Acceptor 6 (for example, an analog monitor)
3. Connect power cord (not illustrated in Figure 2).

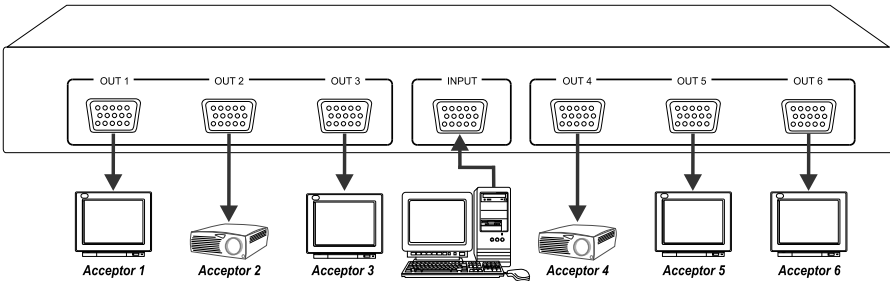


Figure 2: Connecting the CVG-VP6xl 1:6 VGA Distributor

1 Switch OFF the power on each device before connecting it to your CVG-VP6xl. After connecting your CVG-VP6xl, switch on its power and then switch on the power on each device

2 When only one output is required, use one of the outputs, and leave the other outputs unconnected

6 Technical Specifications

Table 3 includes the technical specifications:

Table 3: Technical Specifications of the CVG-VP6xl 1:6 VGA Distributor

Input:	Analog red, green, blue signals - 0.7 Vpp / 75Ω, H & V sync, TTL level, on an HD15F connector
Outputs:	6 analog red, green, blue signals - 0.7 Vpp / 75Ω, H & V syncs, TTL level, on HD15F connectors
Video Bandwidth:	400 MHz -3dB
Diff. Gain:	0.03%
Diff. Phase:	0.05 Deg.
Coupling:	DC
K-Factor:	<0.05%
S/N Ratio:	75.8 dB
Power Source:	230 VAC, 50 / 60 Hz (115VAC, U.S.A.) 7.4 VA
Dimensions:	19 inch (W), 7 inch (D) 1U (H) rack mountable
Weight:	2.4 kg. (5.3 lbs.) approx.
Accessories:	Power cord