

Comprehensive®
VIDEO GROUP
The Interface Place®

PREMIUM INTERFACE PRODUCTS

USER MANUAL

Model:

CVG-VP4xl

1:4 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-VP4xl 1:4 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-VP4xl 1:4 VGA Distributor**
- Power adapter
- 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-VP4xl 1:4 VGA Distributor** is a 1:4 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 4 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
- Positioning your **CVG-VP4xl** unit in a location free from moisture and away from excessive sunlight and dust

4 Your CVG-VP4xl 1:4 VGA Distributor

Figure 1 and Tables 1 and 2 define the **CVG-VP4xl 1:4 VGA Distributor** unit:

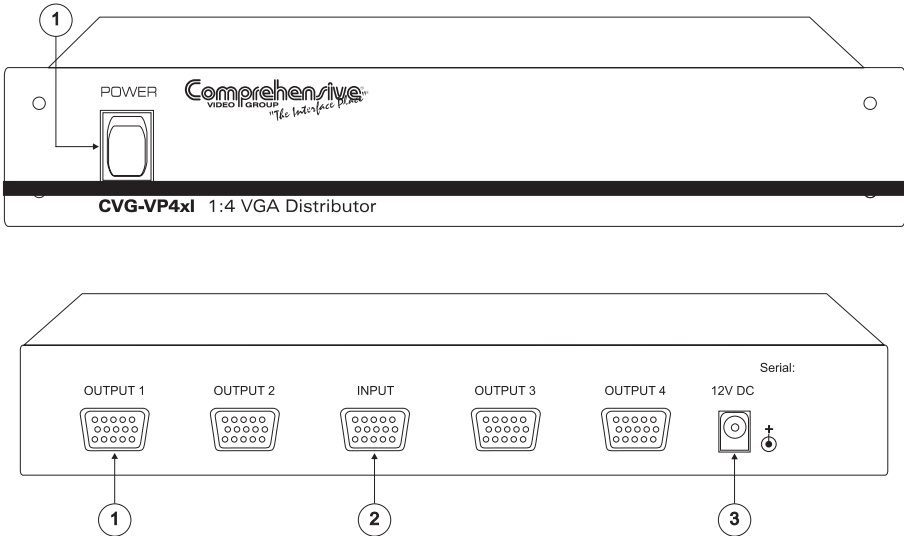


Figure 1: CVG-VP4xl 1:4 VGA Distributor

Table 1: Front Panel CVG-VP4xl 1:4 VGA Distributor Features

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

Table 2: Rear Panel CVG-VP4xl 1:4 VGA Distributor Features

#	Feature	Function
1	OUTPUT HD15F Connector	Connect to the VGA/XGA acceptor (from 1 to 4)
2	INPUT HD15F Connector	Connect to the VGA/XGA source
3	12V DC	+12V DC connector for powering the unit

5 Connecting Your CVG-VP4xl 1:4 VGA Distributor

To connect the **CVG-VP4xl 1:4 VGA Distributor** to up to 4 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 4 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)
3. Connect the 12V DC power adapter to the power socket and connect the adapter to the mains electricity.

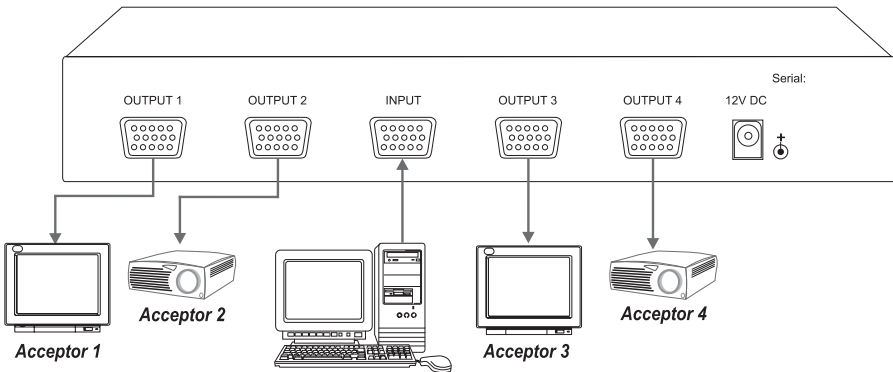


Figure 2: Connecting the CVG-VP4xl 1:4 VGA Distributor

1 Switch OFF the power on each device before connecting it to your CVG-VP4xl. After connecting your CVG-VP4xl, 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-VP4xl 1:4 VGA Distributor

INPUT:	1 VGA/XGA on an HD 15F connector
OUTPUTS:	4 VGA/XGA on HD15F connectors
VIDEO BANDWIDTH:	350 MHz -3dB
DIFF. GAIN:	0.5%
DIFF. PHASE:	0.1 Deg
S/N RATIO:	73dB
COUPLING:	AC, inputs and outputs, with input protection circuitry
DIMENSIONS:	22cm x 18 cm x 4.5 cm (8.7" x 7" x 1.7"), W, D, H.
POWER SOURCE:	12VDC, 75 mA, (to be used with a current limited power supply)
WEIGHT:	1.1 kg. (2.4 lbs.) approx.
ACCESSORIES:	12VDC power supply