

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

PREMIUM INTERFACE PRODUCTS

USER MANUAL

Model:

CVG-VP3xl

1:3 VGA/UXGA Distributor



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

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1 Introduction

Congratulations on purchasing your **CVG-VP3xl 1:3 VGA/UXGA Distributor**. This product is ideal for:

- Any professional system requiring high quality VGA/UXGA distribution to multiple monitors and/or projectors
- Larger distribution systems, made by easily cascading several machines

The package includes the following items:

- **CVG-VP3xl 1:3 VGA/UXGA 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 performance **CVG-VP3xl** is a 1:3 distribution amplifier for VGA/UXGA signals. The **CVG-VP3xl**:

- Includes front panel EQ. control
- Features two switches on the underside for ID Bit control
- Has video bandwidth that exceeds 375MHz, making it suitable for the highest resolution graphics signal distribution
- Accepts one input, provides necessary buffering and isolation, and distributes the signal to its identical outputs
- Is mains fed and is housed in a half 19" enclosure

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-VP3xl** unit in a location free from moisture and away from excessive sunlight and dust

4 Your CVG-VP3xl 1:3 VGA/UXGA Distributor

Figure 1 and Tables 1 and 2 define the **CVG-VP3xl**:

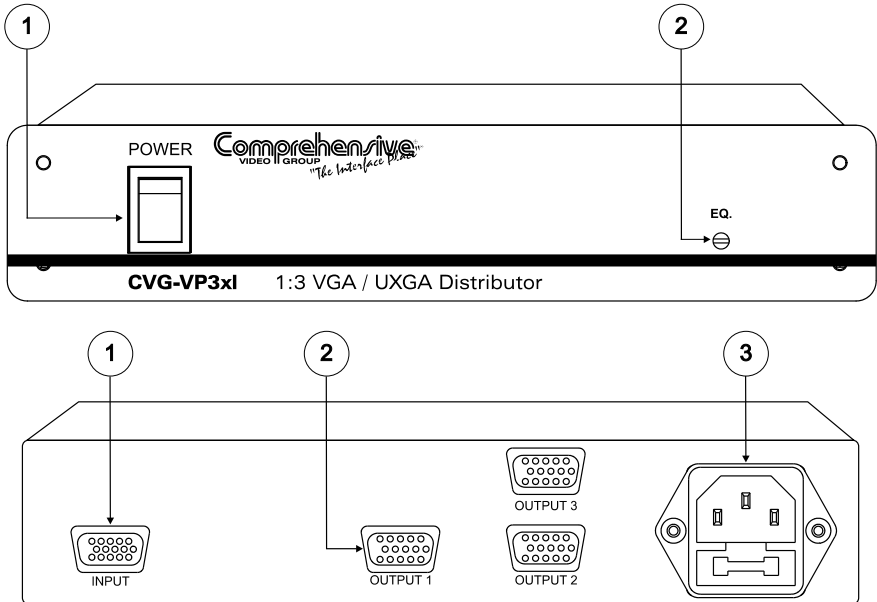


Figure 1: CVG-VP3xl 1:3 VGA/UXGA Distributor

Table 1: Front Panel CVG-VP3xl 1:3 VGA/UXGA Distributor Features

#	Feature	Function
1	POWER Switch	Illuminated switch for turning the unit ON or OFF
2	EQ. Trimmer	Adjusts ¹ the video EQ. (equalization) compensation

Table 2: Rear Panel CVG-VP3xl 1:3 VGA/UXGA Distributor Features

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

¹ Insert a screwdriver into the hole and carefully rotate it, to trim the level

4.1 Your CVG-VP3xl 1:3 VGA/UXGA Distributor Underside

Figure 2 and Table 3 define the underside ID BIT Control switches:

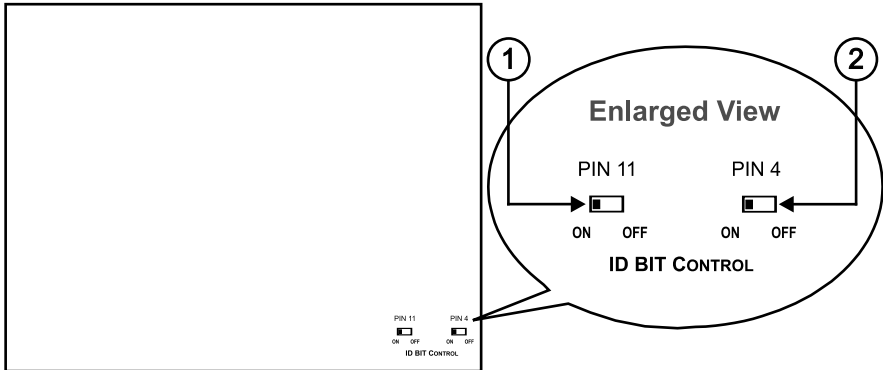


Figure 2: CVG-VP3xl 1:3 VGA/UXGA Distributor Underside

Table 3: CVG-VP3xl 1:3 VGA/UXGA Distributor Underside Features

#	Feature	Function
1	PIN 11 ID BIT CONTROL Switch	Slide to the left to set to ON ¹ ; to the right to set to OFF
2	PIN 4 ID BIT CONTROL Switch	Slide to the left to set to ON ¹ ; to the right to set to OFF

¹ The default. Enabling the notebook or laptop to output a VGA signal to an external VGA monitor

5 Connecting Your CVG-VP3xl 1:3 VGA/UXGA Distributor

To connect the **CVG-VP3xl** in order to output the XGA signal from a laptop's graphics card to up to 3 monitors (as the example in Figure 3 illustrates), do the following¹:

1. Connect an XGA source (for example, a laptop's digital graphics card) to the INPUT HD15F connector.
2. Connect the OUTPUT HD15F connectors to up to 3 acceptors², as follows:
 - Connect the OUTPUT 1 connector to an acceptor (for example, Monitor 1)
 - Connect the OUTPUT 2 connector to an acceptor (for example, Monitor 2)
 - Connect the OUTPUT 3 connector to an acceptor (for example, Monitor 3)
3. On the underside of the **CVG-VP3xl**:
 - Slide the PIN 11 ID BIT CONTROL switch to the left to set to ON
 - Slide the PIN 4 ID BIT CONTROL switch to the left to set to ON
4. Connect the power cord³ (not illustrated in Figure 3).

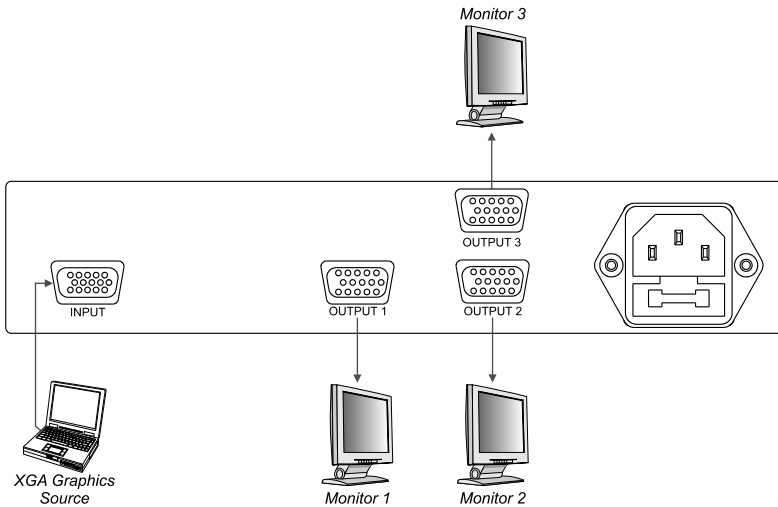


Figure 3: Connecting the CVG-VP3xl 1:3 VGA/UXGA Distributor

1 Switch OFF the power on each device before connecting it to your CVG-VP3xl. After connecting your CVG-VP3xl, 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

3 We recommend that you use only the power cord that is supplied with this machine

6 Technical Specifications

Table 4 includes the technical specifications:

Table 4: Technical Specifications¹ of the CVG-VP3xl 1:3 VGA/UXGA Distributor

INPUTS:	1 VGA/UXGA input on an HD15F connector
OUTPUTS:	3 VGA/UXGA outputs on HD15F connectors
MAX. OUTPUT LEVEL:	1.9Vpp
BANDWIDTH (-3dB):	375MHz, Fully Loaded
DIFF. GAIN:	0.12%
DIFF. PHASE:	0.28 Deg
K-FACTOR:	< 0.05%
S/N RATIO:	73.7dB
CONTROLS:	Pair of ID Bit Control switches on the underside; Cable EQ. control
COUPLING:	DC
POWER SOURCE:	100-240VAC, 50/60Hz, 4.3VA
DIMENSIONS:	22cm x 18cm x 4.5cm (8.7" x 7" x 1.7"), W, D, H, (half 19", 1U)
WEIGHT:	1.2kg (2.64lbs)
ACCESSORIES:	Power cord

¹ Specifications are subject to change without notice
