



# USER MANUAL

**Model:**

**CVG-41VGA, 4x1 VGA / XGA Switcher**



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



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## 1 Introduction

Congratulations on purchasing your **CVG-41VGA 4x1 VGA / XGA Switcher**.

This product is ideal for:

- Any professional display system requiring simple four way input selection
- Multimedia and presentation source selection
- Remote monitoring computer activity in schools and businesses

The package includes the following items:

- **CVG-41VGA 4x1 VGA / XGA Switcher**
- 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-41VGA 4x1 VGA / XGA Switcher** is a mechanical 4x1 switcher for VGA/XGA signals that is designed to route one of up to four inputs to one output using 15pin HD female connectors.

In particular, the **CVG-41VGA 4x1 VGA / XGA Switcher**:

- Has high quality switching components that provide excellent isolation between inputs
- With a bandwidth that exceeds of 750MHz, ensures transparent operation even at the highest resolution UXGA modes (1600x1200)
- Is extremely rugged and dependable, and is housed in a desktop enclosure (two **CVG-41VGA** units can be mounted in one 19" vertical rack space using an optional rack adapter kit)
- With its unpowered passive design, is an advantage in applications where various regulatory compliances would otherwise be required
- Can be used “backwards” – functioning as a 1x4 switcher

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-41VGA** in a location free from moisture and away from excessive sunlight and dust

#### 4 Your CVG-41VGA 4x1 VGA / XGA Switcher

Figure 1 and Tables 1 and 2 define the **CVG-41VGA 4x1 VGA / XGA Switcher**:

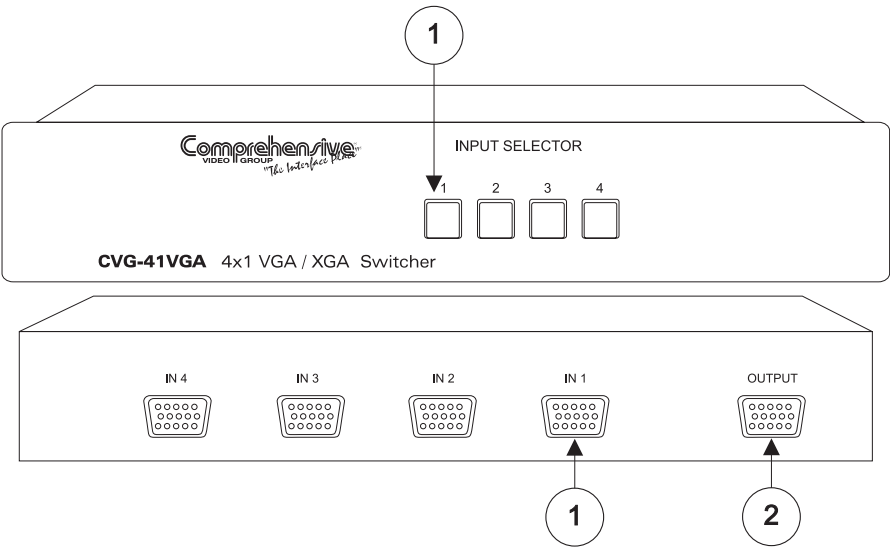


Figure 1: CVG-41VGA 4x1 VGA / XGA Switcher

Table 1: Front Panel CVG-41VGA 4x1 VGA / XGA Switcher Features

#	Feature	Function
1	INPUT SELECTOR Buttons	Select the video source (from 1 to 4)

Table 2: Rear Panel CVG-41VGA 4x1 VGA / XGA Switcher Features

#	Feature	Function
1	IN HD15 Connectors	Connects to the VGA/XGA source (from 1 to 4)
2	OUTPUT HD15 Connector	Connects to a VGA/XGA acceptor

## 5 Using the CVG-41VGA 4x1 VGA / XGA Switcher

Section 5.1 describes how to use your **CVG-41VGA** as a *4x1 VGA / XGA Switcher*. Section 5.2 describes how to use your **CVG-41VGA** as a *1x4 VGA / XGA Switcher*.

### 5.1 Using the CVG-41VGA as a 4x1 VGA / XGA Switcher

To use your **CVG-41VGA** as a *4x1 VGA / XGA Switcher*, do the following:

1. Connect up to four VGA video sources to the four IN HD15 connectors.
2. Connect the *OUTPUT* HD15 connector to the VGA video acceptor.

Press one of the four input selector buttons to route that source to the acceptor.

### 5.2 Using the CVG-41VGA, as a 1x4 VGA / XGA Switcher

To use your **CVG-41VGA** “backwards”, as a *1x4 VGA / XGA Switcher*, do the following:

1. Connect the VGA video source to the *OUTPUT* HD15 connector.
2. Connect the four IN HD15 connectors to up to four VGA video acceptors.

Press the four selector buttons to route the source to the acceptors.

## 6 Technical Specifications

Table 3 includes the technical specifications:

*Table 3: Technical Specifications of the CVG-41VGA 4x1 VGA / XGA Switcher*

INPUTS:	4 VGA / XGA on HD 15F connectors
OUTPUT:	1 VGA / XGA on an HD 15F connector
VIDEO BANDWIDTH:	Exceeding 750MHz
SWITCH CONTROL:	Four front panel buttons
CROSSTALK:	<-58 dB at adjacent channels @ 10MHz
COUPLING:	Direct
DIMENSIONS:	22cm x 18 cm x 4.5 cm (8.7"x7"x1.8", W, D, H.).
WEIGHT:	1.1 kg. (2.4 lbs.) approx.