

USER MANUAL

Model:

CSW-VGA212, *VGA Switcher / Distributor*



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

Contents

1	Introduction	1
2	Getting Started	1
3	Overview	1
4	Your CSW-VGA212 VGA Switcher / Distributor	2
5	Connecting the CSW-VGA212 VGA Switcher / Distributor	3
6	Technical Specifications	4

Figures

Figure 1:	CSW-VGA212 VGA Switcher / Distributor	2
Figure 2:	CSW-VGA212 VGA Switcher / Distributor Connections	3

Tables

Table 1:	CSW-VGA212 VGA Switcher / Distributor Features	2
Table 2:	CSW-VGA212 VGA Switcher / Distributor Technical Specifications	4

1 Introduction

Congratulations on purchasing your **CSW-VGA212 VGA Switcher / Distributor**, which is ideal for computer and presentation VGA/XGA routing and distribution.

The package includes the following items:

- **CSW-VGA212 VGA Switcher / Distributor**
- Power adapter (12V DC input) and 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 **CSW-VGA212** is a combined 2x1 switcher and 1:2 distribution amplifier for VGA-type signals. The **CSW-VGA212** includes 2 inputs and an A/B button to change between the 2 sources. In addition, with the **CSW-VGA212**:

- Its video bandwidth of 365 MHz ensures transparent operation at the highest resolution VGA modes
- The selected input is properly buffered and isolated and then distributed to 2 identical acceptors (for example, monitors or projectors)

To achieve the best performance:

- Connect 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)
- Avoid interference from neighboring electrical appliances and position your machine away from moisture, excessive sunlight and dust



Caution – No operator-serviceable parts inside unit.

Warning – Use only the input power wall adapter that is provided with this unit.

Warning – Disconnect power and unplug unit from wall before installing or removing device or servicing unit.

4 Your CSW-VGA212 VGA Switcher / Distributor

Figure 1 and Table 1 define the **CSW-VGA212 VGA Switcher / Distributor**:

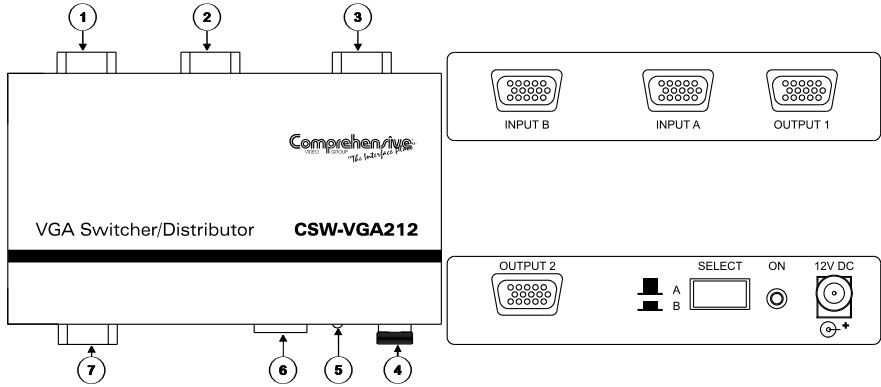


Figure 1: CSW-VGA212 VGA Switcher / Distributor

Table 1: CSW-VGA212 VGA Switcher / Distributor Features

#	Feature	Function
1	OUTPUT 1 HD15F connector	Connects to the VGA acceptor 1
2	INPUT A HD15F connector	Connects to the VGA source A
3	INPUT B HD15F connector	Connects to the VGA source B
4	12V DC	+12V DC connector for powering the unit
5	ON LED	Illuminates when receiving power
6	A/B Button	Releasing selects INPUT A; pushing in selects INPUT B
7	OUTPUT 2 HD15F connector	Connects to the VGA acceptor 2

5 Connecting the CSW-VGA212 VGA Switcher / Distributor

To use your **CSW-VGA212** *VGA Switcher / Distributor*, as Figure 2 illustrates, do the following:

1. Connect the OUTPUT 1 HD15F connector to the acceptor 1 (for example, a monitor) and the OUTPUT 2 HD15F connector to the acceptor 2.
2. Connect the source A (for example, a PC) to the INPUT A HD15F connector and the source B to the INPUT B HD15F connector.
3. Connect the 12V DC power adapter to the power socket and connect the adapter to the mains electricity.
4. Set the A/B button, as follows:
 - Release the A/B button to route the INPUT A signal via the OUTPUT 1 connector to the acceptor 1 and via the OUTPUT 2 connector to the acceptor 2
 - Push in the A/B button to route the INPUT B signal via the OUTPUT 1 connector to the acceptor 1 and via the OUTPUT 2 connector to the acceptor 2

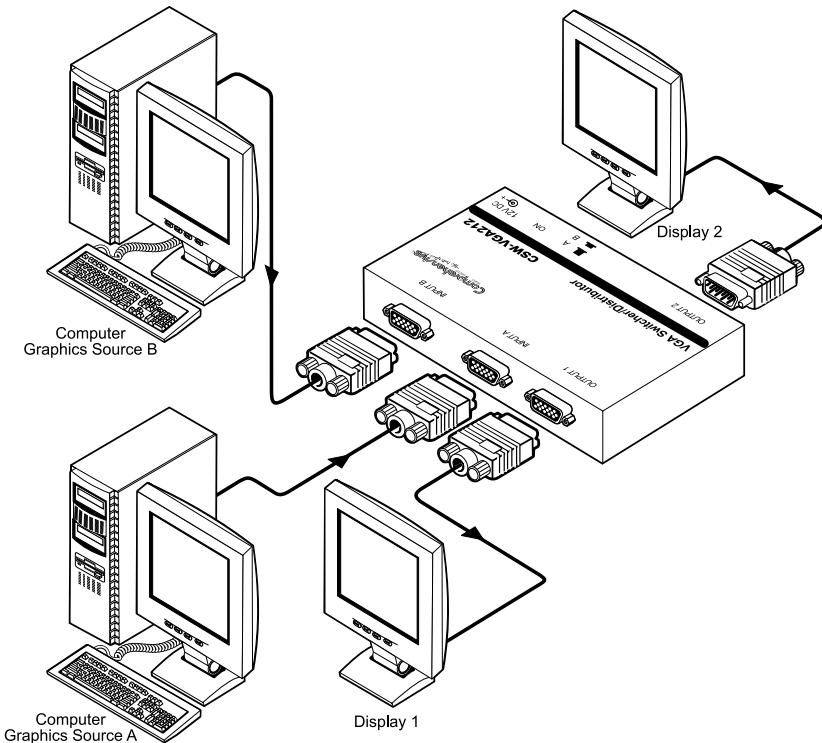


Figure 2: CSW-VGA212 VGA Switcher / Distributor Connections

6 Technical Specifications

Table 2 includes the technical specifications:

Table 2: CSW-VGA212 VGA Switcher / Distributor Technical Specifications¹

INPUT:	2 analog red, green, blue signals - 0.7 Vpp / 75Ω, H & V sync, TTL level, on HD15F connectors
OUTPUTS:	2 analog red, green, blue signals - 0.7 Vpp / 75Ω, H & V syncs, TTL level, on HD15F connectors
VIDEO BANDWIDTH:	365 MHz -3dB
NON-LINEARITY:	<0.1%
DIFF. GAIN:	<0.06%
DIFF. PHASE:	<0.04 Deg
VIDEO S/N RATIO:	>76 dB
K-FACTOR:	<0.05%
CROSSTALK:	-52 dB @ 5 MHz
DIMENSIONS:	12 cm x 7.5 cm x 2.5 cm (4.7" x 2.95" x 0.98"), W, D, H
POWER SOURCE:	12 VDC, 120 mA
WEIGHT:	0.26 kg. (0.58 lbs.) approx.
ACCESSORIES:	Power supply, mounting bracket

¹ Specifications are subject to change without notice
