CDVI-2S/4S/8S

1 by 2 / 1 by 4 / 1 by 8 DVI Splitter

Operation Manual

DISCLAIMERS

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SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply.

Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

REVISION HISTORY

VERSION NO.	DATE DD/MM/YY	SUMMARY OF CHANGE
VR0	29/09/11	Preliminary Release
VS1	16/10/12	Updated format/diagrams

CONTENTS

1. INTRODUCTION

The DVI Splitter series are high performance, HDCP compliant DVI distribution amplifiers. It allows one DVI signal source to be split to two, four or eight identical buffered outputs for connecting to up to eight DVI displays simultaneously. These models can be used to transfer HDMI signal by using HDMI to DVI adaptor or cable. Each of the buffered outputs can be run up to 15 meters and can be cascaded.

2. APPLICATIONS

- Simultaneous DVI distribution
- Digital Signage distribution
- Educational PC distribution and demonstration
- HDMI or DVI system distribution

3. PACKAGE CONTENTS

- 1×1 by 2 / 1 by 4 / 1 by 8 DVI Splitter
- 1×5 V/2.6 A DC Power Adaptor
- Operation Manual

4. SYSTEM REQUIREMENTS

- DVI equipped source devices such as a PC/Laptop with DVI cables or HDMI to DVI cables
- DVI equipped displays (TVs or monitors) with DVI cables

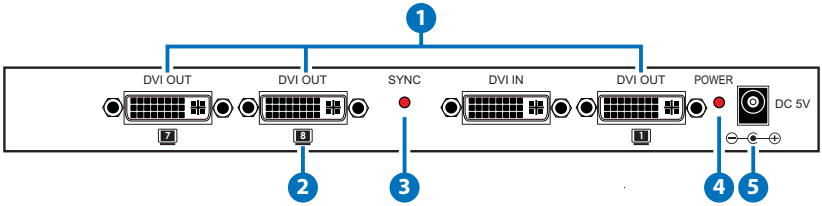
5. FEATURES

- HDMI and DVI 1.0 compliant
- Compatible with HDMI signal (with adaptor cable)
- Supports a wide range of PC and HDTV resolutions from VGA to WUXGA and 480p to 1080p
- Can be cascaded up to 3 layers
- The device will read and record the EDID of output 1 and then send it to the source device

6. OPERATION CONTROLS AND FUNCTIONS

6.1 Front Panel

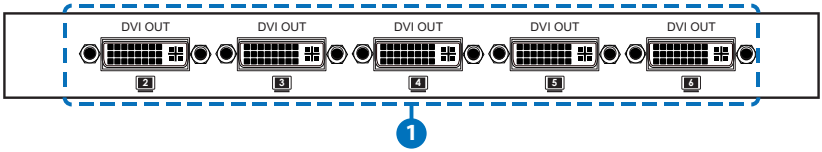
Example Shown: 1 by 8 DVI Splitter



1. **DVI OUT 7/8/1:** Connect to a DVI equipped TV/monitor for display of the DVI input source signal.
2. **SYNC LED:** This LED will illuminate in RED when the source signal is connected and detected by the unit.
3. **DVI IN:** Connect to a DVI source such as a PC/Laptop or DVD/Blu-ray player with HDMI to DVI adaptor cables.
4. **POWER LED:** This LED will illuminate when the unit is connected to a power supply.
5. **DC 5V**: Plug the 5V DC power supply into the unit and connect the adaptor to an AC outlet.

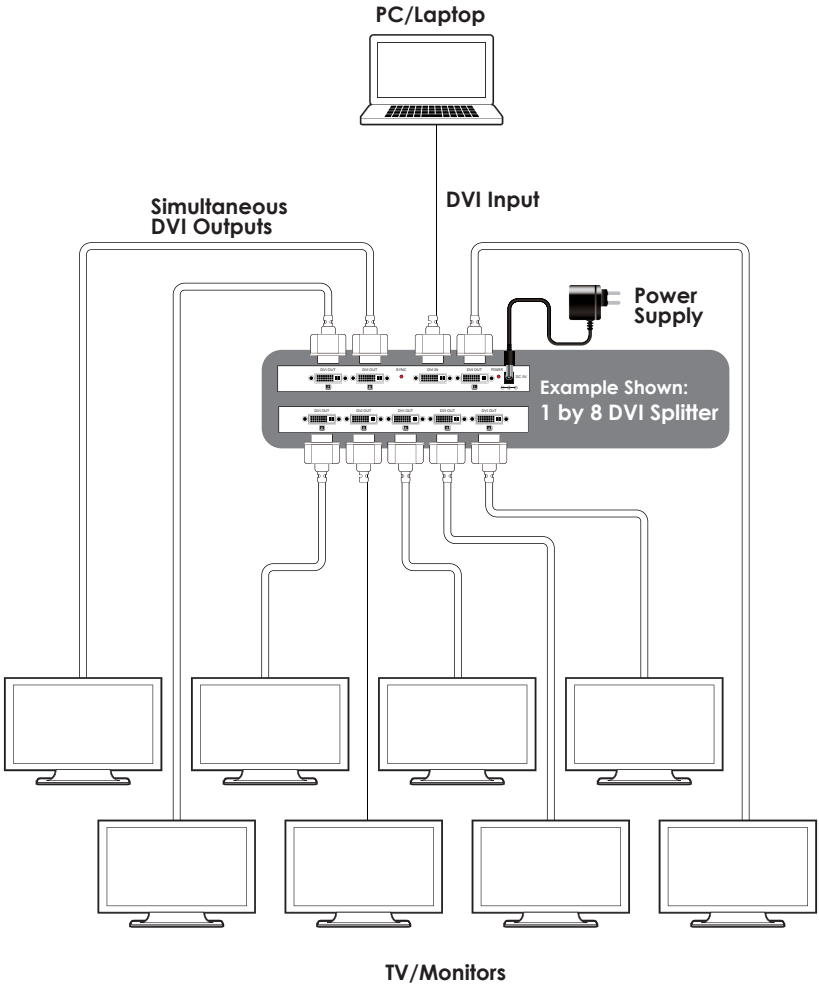
6.2 Rear Panel

Example Shown: 1 by 8 DVI Splitter



1. **DVI OUT 2~6:** Connect to a DVI equipped TV/monitor for display of the DVI input source signal.

7. CONNECTION DIAGRAM



8. SPECIFICATIONS

Input Port	1×DVI
Output Ports	2, 4 or 8×DVI
Audio Sampling Rate	Up to 192 kHz (with DVI to HDMI Adaptor)
Power Supply	5 V/2.6 A DC (US/EU standards, CE/FCC/UL certified)
ESD Protection	Human body model: ±8 kV (air-gap discharge) ±6 kV (contact discharge)
Dimensions	102 mm (W)×125 mm (D)×30 mm (H)/2S 102 mm (W)×141 mm (D)×38 mm (H)/4S 240 mm (W)×103 mm (D)×29 mm (H)/8S
Weight	280 g/2S 550 g/4S 550 g/8S
Chassis Material	Metal
Silkscreen Color	Black
Operating Temperature	0 ˚C ~ 40 ˚C / 32 ˚F ~ 104 ˚F
Storage Temperature	−20 ˚C~60 ˚C / −4 ˚F~140 ˚F
Relative Humidity	20 ~ 90% RH (non-condensing)
Power Consumption	3.5 W/2S 6 W/4S 10 W/8S

9. ACRONYMS

ACRONYM	COMPLETE TERM
DVI	Digital Visual Interface
HDCP	High-bandwidth Digital Content Protection
HDMI	High-Definition Multimedia Interface

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