3-in 1- out DVI Switcher

CDVI-31

Operation Manual

Application

Cypress CDVI-31 DVI Switcher is a high performance digital HD
signal processor that designed for use in switching between various DVI
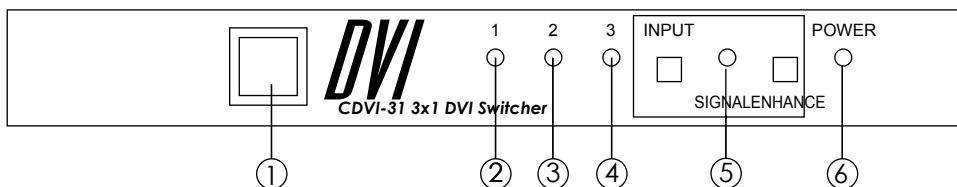sources such as satellite receiver, DVD player and PCs for sharing one TV
display.

Features

* HDCP 1.1 and DVI 1.0 compliant
* The unit has the function of signal enhancer to improve the signal quality
  after long distance transmission.
* LED indicators
* Ideal for home theater integration.
* Supports high resolution:
  PC:VGA, SVGA, XGA, SXGA and UXGA 1600X 1200,&
  DTV: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p @ 60Hz
* Remote control
* Easy to install and simple to operate
* Low cost solution for home theater integration
* Plug-and-Play. No software installation
* CDVI-31 can be controlled either through input selection button on the
  front panel or using an included infrared remote control.

Package Includes

- The CDVI-31 unit
- IR remote control
- 5VDC power supply with universal plugs
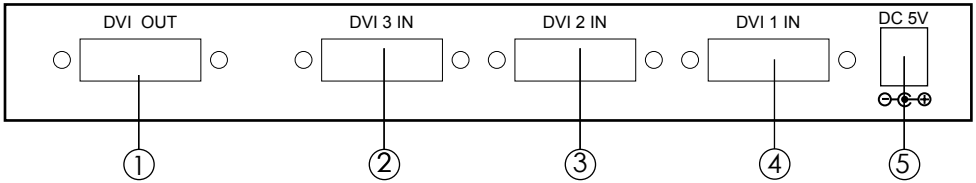
Operation Controls and Functions

Front Panel

1. IR sensor: Infrared remote control sensor.
2. LED 1: When it lights up, it means source 1 is selected.
3. LED 2: When it lights up, it means source 2 is selected.
4. LED 3 : When it lights up, it means source 3 is selected.
5. Signal Enhance: After long distance transmission you can press this button to
   enhance the signal.
6. Power: When power LED lights up, the unit works on.
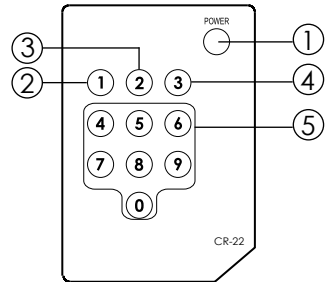
Operation Controls and Functions

Rear Panel

1. DVI out: Use a DVI to DVI cable to connect to your display.
2. DVI 3 in: Use a DVI to DVI cable to connect to your source 3.
3. DVI 2 in: Use a DVI to DVI cable to connect to your source 2.
4. DVI 1 in: Use a DVI to DVI cable to connect to your source 1.
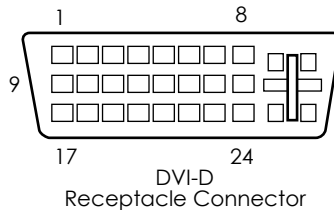5. DC power jack: 5V 2A DC power input.

Remote Control

1. Power: Switch between power ON and Standby.
2. Press button 1 to select source 1.
3. Press button 2 to select source 2.
4. Press button 3 to select source 3.
5. 4~0: Void buttons.

DVI-D Pin Configuration

DVI-Digital (DVI-D): Supports display-only connections between the host computer and display. This interface is designed for a 12 or 24-pin connection to enable single or dual-link mode activation.
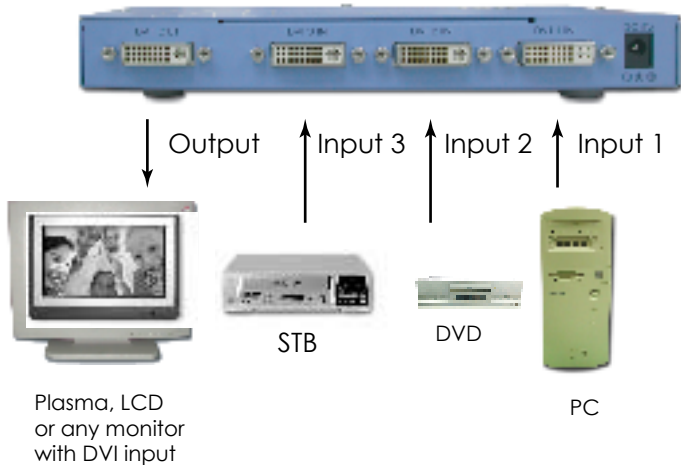

DVI-D
Receptacle Connector

Digital-Only Connector Pin Assignments					
Pin	Signal Assignment	Pin	Signal Assignment	Pin	Signal Assignment
1	T.M.D.S Data2-	9	T.M.D.S. Data1-	17	T.M.D.S. Data0-
2	T.M.D.S. Data2+	10	T.M.D.S. Data1+	18	T.M.D.S. Data0+
3	T.M.D.S. Data2/4 Shield	11	T.M.D.S. Data1/3 Shield	19	T.M.D.S. Data0/5 Shield
4	T.M.D.S. Data4-	12	T.M.D.S. Data3-	20	T.M.D.S. Data5-
5	T.M.D.S. Data4+	13	T.M.D.S. Data3+	21	T.M.D.S. Data5+
6	DDC Clock	14	+5V Power	22	T.M.D.S. Clock Shield
7	DDC Data	15	Ground (for +5)	23	T.M.D.S. Clock+
8	No Connect	16	Hot Plug Detect	24	T.M.D.S. Clock-

Specifications:

* Frequency bandwidth: 1.65Gbps(Single link)
* Inputs: 3 DVI-I female ports (Single link)
* Output: 1 DVI-I female port (Single link)
* Power supply: 5VDC 2A/ center positive
* Weight: 0.57kgs
* Dimension: 105(W) x20(L) x 25(H)mm

Connection and Installation

Output   Input 3   Input 2   Input 1

STB   DVD

Plasma, LCD
or any monitor
with DVI input

PC

Trouble Shooting Guide

When there is no picture present, please check:

1. Whether all connectors connect well or not? Or

2. Whether the connecting cable is damaged?