

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

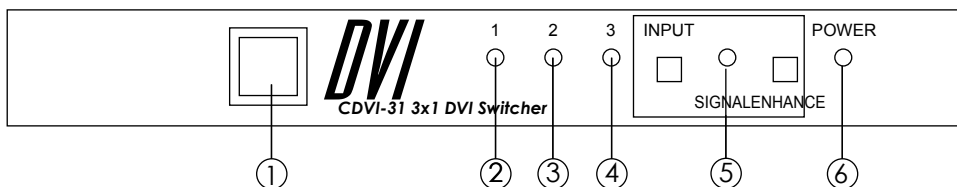
- * HDCP 1.1 and DVI 1.0 compliant
- * The unit has the function of signal enhancer to improve the signal quality after long distance transmission.
- * LED indicators
- * Ideal for home theater integration.
- * Supports high resolution:
PC:VGA, SVGA, XGA, SXGA and UXGA 1600X 1200,&
DTV: 480i, 576i, 480p, 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

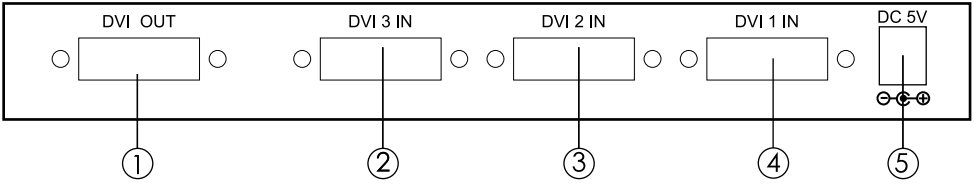
Front Panel



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

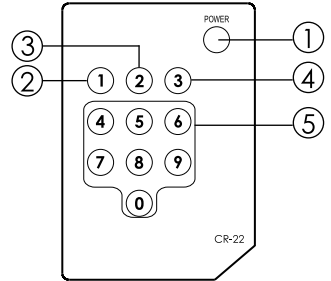
Rear Panel



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.

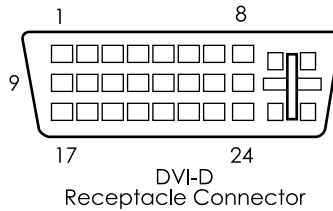
Remote Control

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.

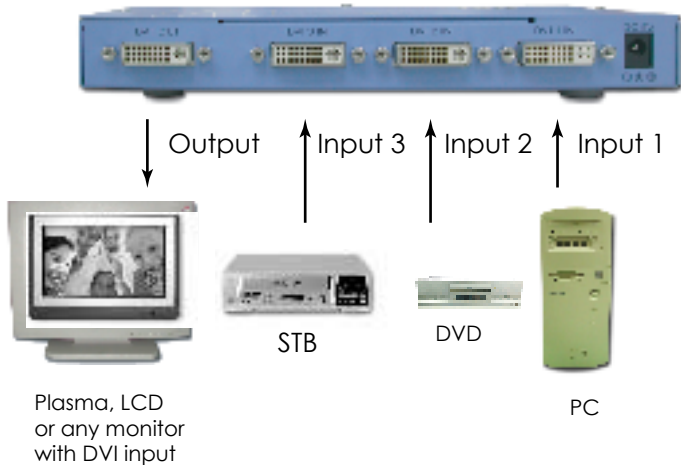


| Digital-Only Connector Pin Assignments | | | | | |
|--|-------------------------|-----|-------------------------|-----|-------------------------|
| Pin | Signal Assignment | Pin | Signal Assignment | Pin | Signal Assignment |
| 1 | T.M.D.S Data2- | 9 | T.M.D.S. Data1- | 17 | T.M.D.S. Data0- |
| 2 | 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



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?