

Gefen

DVI Splitter

USER MANUAL



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INTRODUCTION

Gefen's DVI Splitter is a stackable distribution hub that sends the same DVI graphics source to two or more DVI digital displays (flat panels or projectors). It is a flexible solution that accommodates multiple digital video displays, and when multiple DVI Splitters are connected together, they can be used to create a 1:4 or a 1:6 distribution (one DVI input / multiple DVI display outputs). When multiple units are stacked you can switch between all the inputs into all the outputs with the RMT-16 remote. The configuration of stacking multiple units must be done by Gefen professionals.

How It Works

The DVI Splitter is connected with a DVI (male to male) cable from the DVI graphic source to the DVI Splitter input. There are two DVI outputs in each module. DVI output one is the primary connection and is used for the main display. DVI output two follows the main display. The DVI Splitter is using a unique DVI Bus technology to connect multiple splitters without sacrificing a DVI output connection.

OPERATION NOTES

READ THESE NOTES BEFORE INSTALLING OR OPERATING THE DVI SPLITTER

- Display information (EDID) is sent from the display connected to DVI output 1. The source will be outputting a resolution based on this EDID, therefore all other displays connected to the DVI Splitter must be capable of displaying the resolution and timings output by the source
- The DVI splitter will only accept and output a DVI-D (digital) signal. It will not accept or output a DVI-A (analog) signal. A DVI-I cable can be connected to the unit but will only pass the digital portion of that signal.

1x2 DVI SPLITTER FEATURES



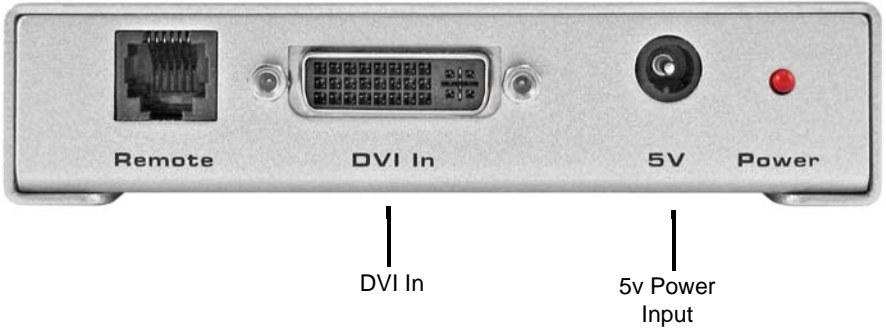
Features

- Connects computers with DVI graphics cards to two DVI compatible monitors
- Can be configured as a DVI Switcher with multiple outputs
- Allows up to two DVI displays or projectors to be connected to one DVI source
- Maintains highest DVI single link video resolution 1920 x 1200
- Supports DDWG standard for DVI compliant monitors
- Simultaneous display at local and remote locations
- DVI cables are used to connect the DVI input and the computers output
- Installs in seconds

Includes:

- (1) 6' DVI cable (m-m)
- (1) 5VDC Power Supply
- (1) DVI Splitter
- (1) User Manual

1x2 DVI SPLITTER PANEL DESCRIPTIONS



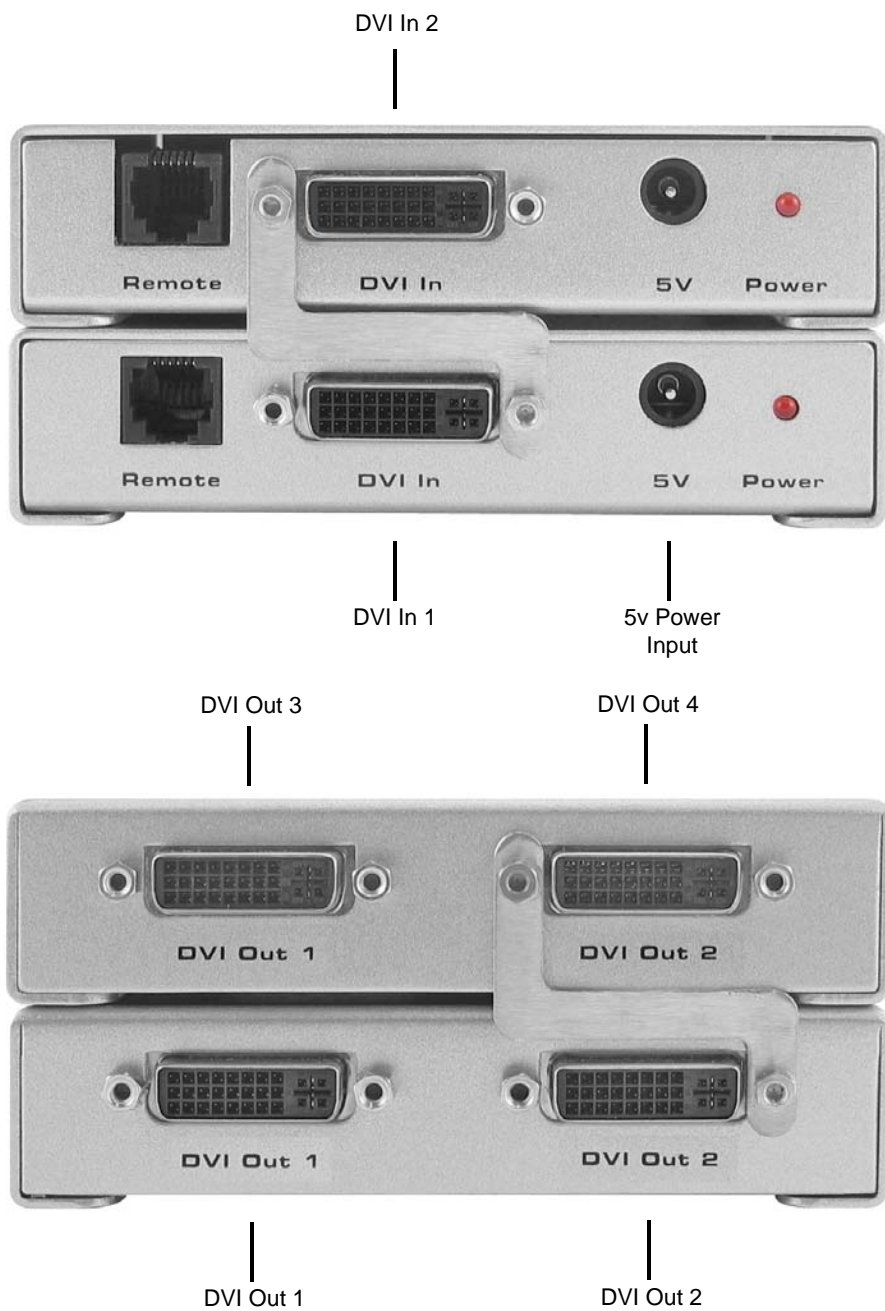
1X4 DVI SPLITTER FEATURES



Features

- Connects computers with DVI graphics cards to four DVI compatible monitors
- Can be configured as a DVI Switcher with two inputs
- Allows up to four DVI displays or projectors to be connected to one DVI source
- Maintains highest DVI single link video resolution 1920 x 1200
- Supports DDWG standard for DVI compliant monitors
- Simultaneous display at local and remote locations
- DVI cables are used to connect the DVI inputs and the computers output
- Installs in seconds

1X4 DVI SPLITTER PANEL DESCRIPTIONS



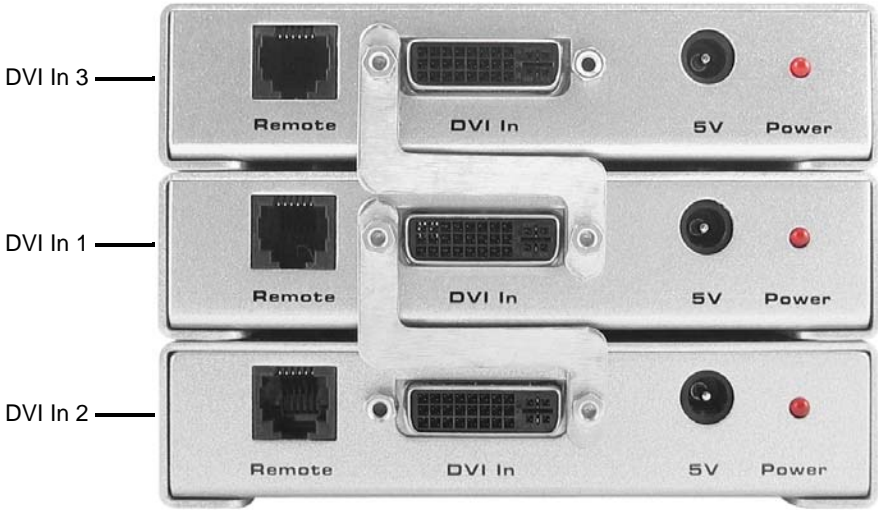
1X6 SPLITTER FEATURES



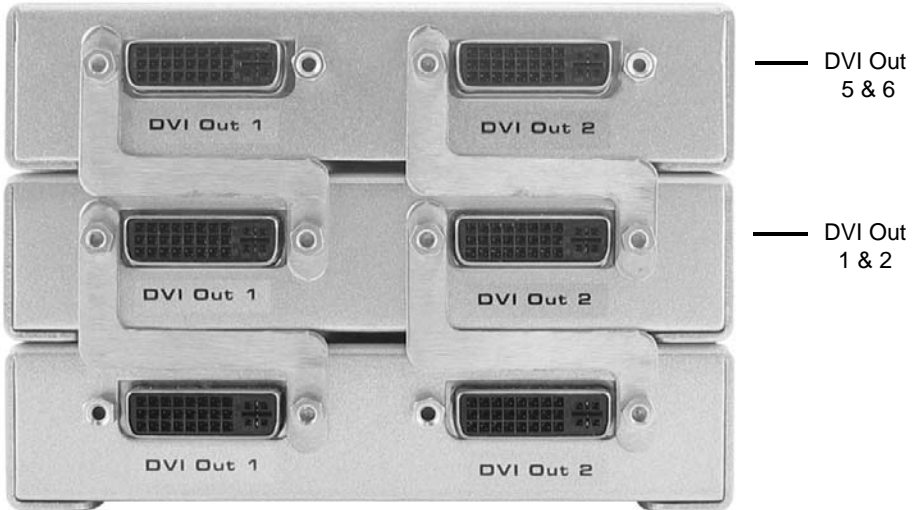
Features

- Connects computers with DVI graphics cards to six DVI compatible monitors
- Can be configured as a DVI Switcher with three inputs
- Allows up to six DVI displays or projectors to be connected to one DVI source
- Maintains highest DVI single link video resolution 1920 x 1200
- Supports DDWG standard for DVI compliant monitors
- Simultaneous display at local and remote locations
- DVI cables are used to connect the DVI inputs and the computers output
- Installs in seconds

1X6 SPLITTER PANEL DESCRIPTIONS



5v Power Input



DVI Out 3

DVI Out 4

CONNECTING AND OPERATING THE DVI SPLITTER

How to Connect the DVI Splitter to your devices

* EDID information is saved in the DVI Splitter from DVI Out 2. In order for the EDID to be saved properly, DVI Out 2 must be connected first before power is.

1. Connect your main display (monitor or projector) into the 2nd DVI Output.
2. Connect the 5v power supply to the same unit and make sure all power lights turn red.
3. Connect the rest of your displays (monitors or projectors) into the remaining DVI Out slots on the back of the DVI Splitter with your DVI cables.
4. Connect your DVI source into DVI Input 1.
5. Turn on your computer only after you've made all the connections.

* Instructions above refer to the base unit on the 1x4 and 1x6 DVI Splitter models.

* Note on the 1x6 the input 1 and output 2 are the middle unit.

SPECIFICATIONS

Video Amplifier Bandwidth	1.65 GHz
Input Video Signal	1.2 Volts p-p
Input DDC Signal	5 volts p-p (TTL)
Maximum Single Link Range	1920 x 1200, 1080p
DVI Input/Output Connector Type	DVI-D
Power Consumption	20 Watts (max.)
Power Supply	5V DC
1x2 DVI Splitter (EXT-DVI-144):	
Dimensions	5"W x 1"H x 4.5"D
Shipping Weight	3 Lbs
1x4 DVI Splitter (EXT-DVI-145):	
Dimensions	5"W x2"H x 4.5"D
Shipping Weight	4 Lbs
1x6 DVI Splitter (EXT-DVI-147):	
Dimensions	5"W x 3"H x 4.5"D
Shipping Weight	5 Lbs