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VG-DVI, version 1

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Table 3-1. Rotary switch settings.

Position	Description
0	Auto
1	User-recorded EDID (manual)
2	1024 x 768
3	1280 x 720
4	1280 x 1024
5	1366 x 768
6	1440 x 900
7	1600 x 900
8	1600 x 1200
9	1680 x 1050
A	1920 x 1080
B	1920 x 1200
C	1920 x 1440
D	2048 x 1152
E	2560 x 1440 (DVI-DL)
F	2560 x 1600 (DVU-DL)

4. Typical Installation



Figure 4-1. Installation diagram.

DVI-D EDID Ghost

Optimize video output for any display.



Customer Support Information
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1. Specifications

- Housing: Metal
- Resolution (Maximum): 2560 x 1600
- User Controls: (1) 15-position Mode Select switch, (1) EDID Copy button
- Connectors: Input: (1) DVI-D female; Output: (1) DVI-D female; (1) 5-VDC barrel connector for power
- Indicators: (1) Dual-color Status LED
- Power: 5-VDC power supply
- Size: 0.9"H x 2.3"W x 3.6"D (2.2 x 5.1 x 8 cm)
- Weight: 4.5 oz. (130 g)

2. Overview

2.1 Features

- EDID Ghost:
 - Read and store (record) the EDID from the connected display to the video extension system.
- EDID Emulation:
 - Emulate EDID information to display the optimum video resolution.
 - Provide a default EDID if a display's EDID is not available.
 - Alternately, apply the default of the copied EDID for the connected display device.
 - Handles dual-link resolutions (2560 x 1600).

2.2 What's Included

- (1) DVI-D EDID Ghost
- (1) USB power cable
- (1) set of foot pads
- This user manual

NOTE: Use only good quality cables to avoid interference. Place cables away from fluorescent lights, air conditioners, and machines that can generate electrical noise.

2.3 Hardware Description

Figure 2-1 shows the DVI-D EDID Ghost's front, back, side, and top panels. Table 2-1 describes their components.

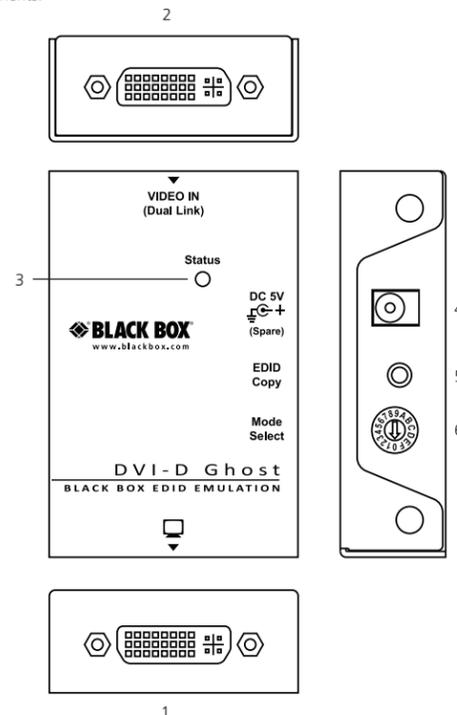


Figure 2-1. DVI-D EDID Ghost.

Table 2-1. DVI-D EDID Ghost's components.

ID in Fig. 2-1	Component	Description
1	Video connector	Connect the input side of the DVI-D EDID Ghost to the monitor or switch.
2	Video connector	Connect the output side of the Ghost to the PC.
3	LED indicator	Blue: Power on Red: Error
4	Power supply	Apply the proper power to the unit.
5	Push button	EDID Copy button
6	Rotary switch	See Table 3-1 for rotary switch settings.

3. Configuring the EDID

3.1 EDID Copy (EDID Ghost)

- Copy new monitor EDID:
- Set the rotary switch to "1."
 - Power ON the unit.
 - Connect the EDID-compliant monitor to the video port on the DVI-D EDID Ghost and power on the monitor.
 - Press the "EDID Copy" button and release the button right after the LED flashes green (3–5 seconds).
 - The LED flashes red and green alternately and then lights blue when the copy is complete.
- NOTE: If the LED flashes red:
- The monitor is not properly connected.
 - The monitor is not powered on.
 - EDID data for the monitor is not available.
- Repeat Steps 3 and 4.

3.2 EDID Emulation

- Use the pre-programmed EDID:
- Choose the display's resolution from the rotary switch table (Table 3-1).
- Step 1:** Set the rotary switch to the position 1–9 or A–F.
- NOTE: If you select "1," you must first perform EDID Copy as described in Section 3.1.
- Step 2:** Connect the display and video source to the VG-DVI. See Figure 3-1.



Figure 3-1. Connection diagram.

Step 3: Power on the system.

3.3 Rotary Switch

- 0 = Auto mode; power on the unit connected to the display so the display's EDID will be automatically recorded.
- 1 = User-recorded EDID (manual mode): In this mode, users can Copy EDID to a monitor.
- 1–9 and A–F = EDID Emulator: Emulate the maximum display resolution for video source reading.



Figure 3-2. Rotary switch.