ADDER DDC Ghost

The Adder DDC Ghost has been developed to allow you to extend the life of your existing systems by adding full EDID data to your VGA signals

The Adder DDC Ghost is the most cost effective way to extend the life of your existing infrastructure. EDID data is a very important part of video extension and distribution, it allows the screens you use to match perfectly with the display drivers of the devices you attach to (graphics cards for example). The DDC (Display Data Channel) carries information about the physical characteristics of the screen, such as resolution or colour depth, back to the display adapter (graphics gard) to ensure the resulting picture is correct, every time.

What is DDC EDID?

DDC EDID is the data that describes the characteristics of the display device (monitor) to the display adapter (graphics card). This data is what enables plug and play connection with monitors. Characteristics included in the EDID data include: supported resolutions, manufacturer, phosphor/filter type, display size, luninance data and in the case of digital panels - pixel mapping.

The DDC EDID is stored by the monitor, and requested by the graphics card. When you put a device in between the two, you need to ensure the DDC EDID is still passed through. In cases where the DDC EDID is not passed, DDC Ghost sits inline and provides the data directly to the graphics card. Essentially, the monitor is no longer asked for DDC EDID.

FEATURES

True DDC Emulation

Unless an extender actively supports DDC, some high performance video cards cannot be used at high resolutions. The DDC Ghost supports dual page DDC ensuring compatible resolutions are supported.

Interface Powered

The DDC Ghost takes its power directly from VGA pin 9. This reduces clutter, and makes installation as simple as possible. In situations where no pin 9 power is available, DDC Ghost can be powered directly via the optional 5V power supply.

Full EDID Cloning

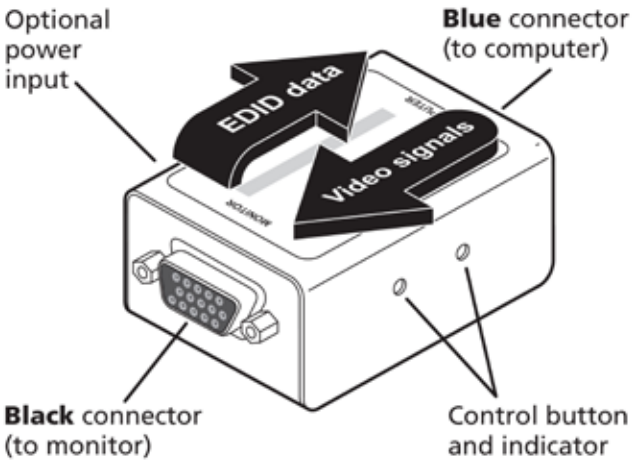
The DDC Ghost will clone a full dual page EDID (Extended Display Identification Data). This makes the DDC Ghost compatible with the latest ranges of display devices. The first page is the standard EDID data, and the second covers the extended data block.

Standard EDID Data

Our expertise with DDC EDID data has allowed us to put together an extended profile which is designed to cover most display devices. As such, the DDC Ghost may be used in connections where no data is otherwise available. You can choose whether to use this data or the original screen EDID attached.

Push and Go Setup

The DDC Ghost interface is secure and simple. Setting up the device is a single button process directed by the in built LED indicator. This makes changing display devices a fast and simple process.



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TECHNICAL SPECIFICATIONS

Video Resolution	Limited only by your selection of display device and display adapter
Connectors (local / computer)	**Display Adapter Side:** Standard VGA - HDD15 (Female) **Display Device Side:** Standard VGA - HDD15 (Female)
Physical (remote / console)	**Adder DDC Ghost:** All metal case, 120mm / 4.7" (w) x 75mm / 3"(d) x 26mm / 1" (h) 430g / 1 lb.
Power	Inline Power: 5V External Supply (optonal): 5V
Operating temperature	0°C to 40°C / 32°F to 104°F
Approvals	CE, FCC
Order Codes	**DDC-Ghost**

Standard EDID information

The standard EDID information supplied within the DDC Ghost module represents a standard analogue monitor (with no manufacturer details) capable of resolutions up to 1600x1200@60Hz. Other presented information is as follows:

Manufacturer details
ID Manufacturer Name: NON
Product ID Code: 0000
Last 5 Digits of Serial Number: 00000
Week of Manufacture: 00
Year of Manufacture: 1990
Complete Serial Number: 0000000000
Video input definition
Analog Signal: 0.700, 0.300 (1.000 Vp-p)
Separate Syncs
Established timing I
720 X 400 @ 70Hz (IBM,VGA)
640 X 480 @ 60Hz (IBM,VGA)
640 X 480 @ 75Hz (VESA)
800 X 600 @ 60Hz (VESA)
Established timing II
800 X 600 @ 75Hz (VESA)
1024 X 768 @ 60Hz (VESA)
1024 X 768 @ 75Hz (VESA)
1280 X 1024 @ 75Hz (VESA)
Standard timing identification
1280 X 1024 @60Hz
1600 X 1200 @60Hz
1152 X 864 @75Hz

Local, Remote and Global Computer Control

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