VGA-HD Installation Guide and Technical Specifications

The Intelix VGA-HD converts computer video and stereo audio to HDMI. The unit passes through native resolutions **without scaling** to ensure picture quality.

The VGA-HD features built-in EDID tables that pass common resolutions (1920 X 1080 with stereo audio and 1280 X 720 with stereo audio) back to the source device.
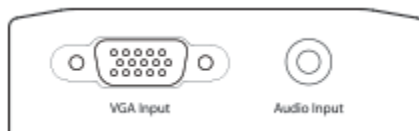
The VGA-HD also has a dynamic EDID compatibility function. The unit reads the EDID information from a destination device, compares the accepted resolutions of the destination device to a compatibility table stored on the VGA-HD, and passes modified EDID information back to the source device. The modified EDID information will only contain video resolutions that are contained in both the compatibility table (on the VGA-HD) and the destination device EDID.

Instructions

1. Adjust DIP switches for desired mode.

2. Connect the HDMI cable from the converter to the display.

3. Apply power to the display.

4. Connect the stereo audio cable from the converter to the source.

5. Apply power to the converter.

6. Connect the VGA cable from the source to the converter.

DIP Switch Settings

SW 1	SW 2	Mode
Down	Down	Read EDID data from display
Down	Up	Read EDID data from display
Up	Down	720p with stereo audio
Up	Up	1080p with stereo audio

Important notice:
- **Do not attempt to disassemble or alter the extender housing. There are no user-serviceable parts inside the unit. Doing so will void your warranty.**

- **To minimize the possibility of equipment damage from electrostatic discharge (ESD), all source and destination equipment must be powered off during installation.**

- **Allow proper ventilation to reduce the risk of thermal failure.**

Troubleshooting

Symptom	Possible Solutions
No signal Status LED is off	Verify source output is working properly. Verify HDMI cable and destination HDMI port are operational. Verify display is HDMI compatible.
No power	Verify the power supply is connected to an active outlet.
No signal	Disconnect VGA cable from source. Wait 30 seconds for operating system to reset to normal operation. Reconnect VGA cable to source. Drop the HDMI signal to the next lower resolution; i.e., decrease resolution from 1080p to 720p, etc.
Video without audio	Check the audio level from the source device. Verify the audio cable is in working properly and is securely installed on the source device and converter.

Technical Specifications

Supported Video Input Resolutions	640x480 to 1920x1200
Supported Video Input Formats	RGB
Supported Audio Input	Analog stereo audio (-10dBv)
Supported Video Output Resolutions	Digital video scaling to the following resolutions and refresh rates: • 640x480, 800x600, 1024x768, 1280x768, 1280x800, 1280x1024, 1360x768, 1366x768, 1440x900 @ 50/60/75 Hz • 1400x1050, 1600x1200, 1680x1050, 1920x1200 @ 50/60 Hz • 480p @ 59.94/60 Hz • 576p @50 Hz • 720p @ 25/29.97/30/50/59.94/60 Hz • 1080i @ 50/59.94/60 Hz • 1080p @ 23.98/25/29.97/30/50/59.94/60/75 Hz
Audio Output	2 channel PCM
Dip switch modes	Switch one: EDID HDMI pass-through on and off Switch two: Toggle 1920x1080 w/stereo and 1280x720 w/stereo EDID presets
Connectors	(1) Computer video input (HD15F) (1) Stereo audio input (3.5mm TRS) (1) HDMI video output (Type A) (1) Power input (5.5mm DIN mini connector)
Enclosure	Metal
Dimensions	4.35" x 3.00" x 0.95"
Power	5 VDC
Regulatory	CE, RoHS
ESD Protection	Yes
Diagnostic Indicators	Power LED, Status LED
Warranty	2 years

8001 Terrace Ave.
Suite #201
Middleton, WI 53562

Phone: 608-831-0880
Toll-Free: 866-4-MATMIX
Fax: 608-831-1833