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Slim USB 3.0 to HDMI® External Video Card
Slim USB 3.0 to VGA External Video Card

USB32HDES
USB32VGAES





*actual product may vary from photos

Please ensure that the latest drivers from the StarTech.com website are installed before plugging in the USB 3.0 Video Adapter

DE: Bedienungsanleitung - de.startech.com
FR: Guide de l'utilisateur - fr.startech.com
ES: Guía del usuario - es.startech.com
IT: Guida per l'uso - it.startech.com
NL: Gebruiksaanwijzing - nl.startech.com
PT: Guia do usuário - pt.startech.com

For the most up-to-date information, please visit: www.startech.com

Manual Revision: 11/21/2016

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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Introduction

Packaging Contents

- 1 x Slim USB 3.0 Video Adapter
- 1 x Driver CD
- 1 x Instruction Manual

System Requirements

- (USB32HDES) HDMI enabled display device (e.g. monitor, projector, HTDV, etc)

  Or

  (USB32VGAES) VGA enabled display device (e.g. monitor, projector, HTDV, etc)
- (USB32HDES) HDMI male to male video cable

  Or

  (USB32VGAES) VGA male to male video cable
- USB enabled computer system with:

  Microsoft Windows® 8/8.1 (32/64-bit) 7 (32/64-bit) Vista (32/64 bit)

Operating systems are subject to change. For the latest requirements, please visit: www.startech.com/USB32VGAES
www.startech.com/USB332HDES

Available USB port (USB 3.0 recommended)

Recommend Specifications for 1~2 Video Adapters:

CPU: Intel® Core™ i3 2.8 GHz or equivalent (i5 recommended for HD video)

RAM: 2 GB or more (4 GB recommended for HD video)

Recommend Specifications for 3~4 Video Adapters:

CPU: Intel® Core™ i5 Quad Core 2.8 GHz or equivalent

RAM: 4 GB or more

Recommend Specifications for 5 Video Adapters:

CPU: Intel® Core™ i7 Quad Core 3.0 GHz or equivalent

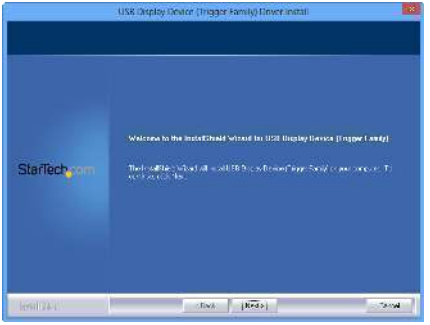
RAM: 8 GB or more

Installation

Please ensure that the driver installation is complete prior to the physical installation (plugging in) of the USB 3.0 Video Adapter

Driver Installation Windows

1. Download the latest drivers from the StarTech.com website (recommended), or insert the included Driver CD into your CD/DVD-ROM drive.
2. Locate the Setup.exe application. This file will be located in the root directory of the Driver CD (e.g. D:\) or downloaded file.
3. Executing the Setup.exe application will launch the following screen. Please click on Next:
   ***Ensure that the USB Video Adapter is not connected to the host computer.**



4. Once the Windows has finished the driver installation, it will prompt you to restart the computer. Select "Yes, I want to restart my computer now", and click the "Finish" button.
5. While the computer is restarting, connect the video cable from the secondary monitor/display to the adapter, and turn the monitor/display on.
6. Once Windows has fully loaded, plug the USB Video Adapter into an available USB 3.0 port of your PC or Notebook.
7. Windows will automatically install the drivers. Once installation is completed your USB display will activate.

Multiple USB Video Adapter Installation

Ensure you have the latest version of the drivers installed, otherwise, please download them from the StarTech.com website (www.startech.com).

1. Complete the standard driver installation steps, up to when you plug in the first USB Video Adapter.
2. Connect another monitor/display to the second USB Video Adapter, then turn on the display.
3. Connect the USB type A connector on the second USB Video Adapter to an available USB 3.0 port on the host computer. The driver installation will begin automatically.

Repeat these steps for each additional USB Video Adapter you wish to install. Once all USB Video Adapters are installed, reboot the computer. After rebooting, you may be prompted to reboot one final time; please do so.

Verifying Installation

From the main desktop, right click on **Computer** or **My Computer**, then select **Manage**. In the **Computer Management** window, select **Device Manager** from the left window panel.

Double-click the **Universal Serial Bus Controllers** category and the USB adapter will be listed as **Trigger USB Graphic Family**

USB32HDES: An audio device will also be listed under the "Sound, video and game controllers" category in Device Manager. As Windows will only support one audio output at a time, this will override the default sound card on the computer (if any), resulting in no audio from the computer speakers. Audio will only output over HDMI.

If you wish audio to output from the computer speakers instead of HDMI, then you must manually change the default audio device from the "Hardware and Sound" settings in the Control Panel.

Supported Resolutions

Wide Screen

Aspect Ratio	Resolution
16:9	2048 x 1152 *(USB2HDES only)*
16:10	1920 x 1200
16:9	1920 x 1080
16:10	1680 x 1050
16:9	1600 x 900
16:10	1440 x 900
16:9	1366 x 768
16:9	1360 x 768
16:10	1280 x 800
15:9	1280 x 768
16:9	1280 x 720

Standard Screen

Aspect Ratio	Resolution
4:3	1600 x 1200
4:3	1400 x 1050
5:4	1280 x 1024
4:3	1280 x 960
4:3	1152 x 864
4:3	1024 x 768
4:3	800 x 600
4:3	640 x 480

Configuring the USB Video Adapter

Look for the USB Video Adapter icon () on your Windows System Tray (next to clock). Right-click this icon to access the variety of functions associated to the adapter.

Windows

The USB Video Adapter drivers allow for all adjustments through the built-in Display Settings window. These settings can be accessed by right-clicking on the Windows Desktop and selecting **Screen Resolution** or by right-clicking on the USB Video Adapter icon in the system tray and selecting **Screen Resolution**.

Select the physical display you wish to change the settings on, from the **Display** drop down menu. Display Modes, resolution and rotation can be changed from this screen.

Specifications

	USB32HDES	USB32VGAES
Video Signal	HDMI 1.2	VGA (RGBHV)
Host Interface	USB 3.0	
Connectors	1 x HDMI female 1 x USB 3.0 type A male	1 x DE-15 VGA female 1 x USB 3.0 type A male
Audio Support	2-channel LPCM (48KHz)	No
Maximum Video Resolution	2048 x 1152	1920 x 1200
Onboard Memory	16MB	
Maximum Number of Adapters	5	
Operating Temperature	0°C ~ 55°C (32°F ~ 131°F)	
Storage Temperature	-10°C ~ 75°C (14°F ~ 167°F)	
Humidity	< 85% RH (non-condensing)	
Enclosure Material	Plastic	
Built-in Cable Length	160.0mm	
Dimensions (LxWxH)	78.0mm x 43.5mm x 15.5mm	
Weight	300g	
Compatible Operating Systems	Windows 10, 8.1, 8 , 7, Vista	

Technical Support

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit www.startech.com/support and access our comprehensive selection of online tools, documentation, and downloads.

For the latest drivers/software, please visit www.startech.com/downloads

Warranty Information

This product is backed by a two year warranty.

In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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