



DS3900
USB 3.0 Dual Display Dock

Quick start guide

ABOUT THIS MANUAL

This manual provides a beginner's introduction to installing, configuring and using the USB3.0 Gigabit Ethernet Adapter. Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. The manufacturer makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranties, merchantability, or fitness for any particular purpose.

SAFETY INSTRUCTIONS

Always read the safety instructions carefully:

- Keep this User's Manual for future reference
- Keep this equipment away from humidity
- If any of the following situation arises, get the equipment checked by a service technician:
 - The equipment has been exposed to moisture.
 - The equipment has been dropped and damaged.
 - The equipment has obvious sign of breakage.
 - The equipment has not been working well or you cannot get it to work according to the User's Manual.

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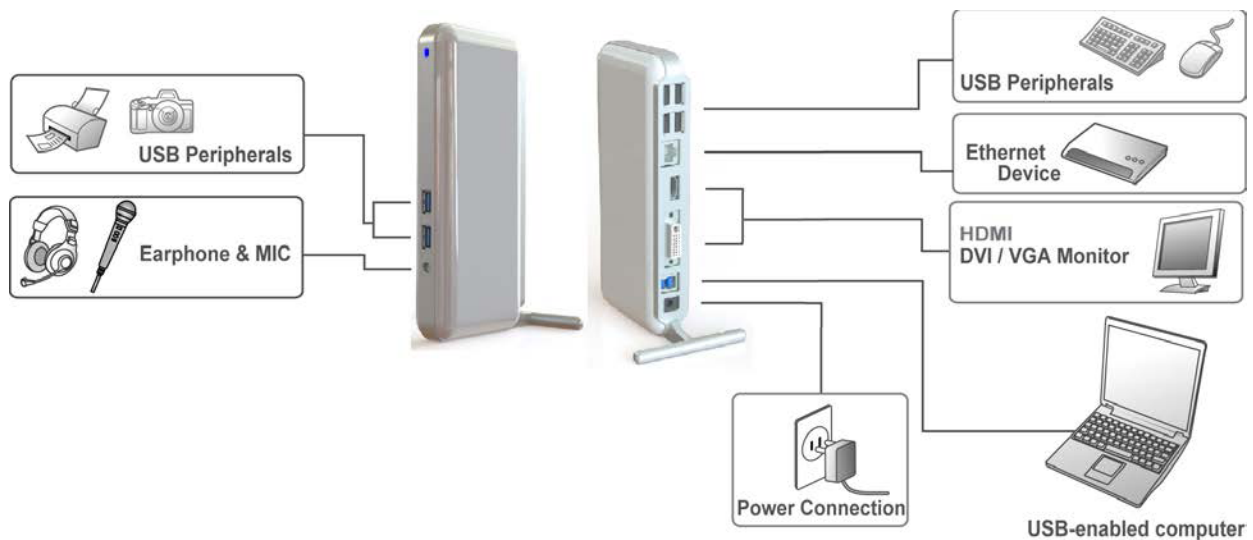
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1. Introduction

A USB3.0 Dual Display dock enables multiple USB devices to be connected to the computer using a single USB3.0 cable. Now with one simple cable connection to your computer you can have access to large screen displays, stereo speakers, external hard drive, optical disk drive, printer, USB keyboard and mouse

Just plug in the one USB 3.0 cable from the USB3.0 Dual Display dock to any USB 3.0 or USB 2.0 port on your laptop and your displays and accessories will be activated in seconds. To undock, simply unplug the one cable and go.

Application



Features

USB Downstream

- Compliant to USB 3.0 and USB 2.0
- Two USB3.0 down-stream ports supports Super-speed, high-speed and full-speed traffic
- Four USB2.0 down-stream ports support Super-speed, high-speed, full-speed and low-speed traffic

Ethernet

- IEEE 802.3, 802.3u, and 802.3ab compatible
- Supports IPv4/IPv6 .
- Supports full duplex operation with IEEE 802.3x flow control

Video

- Dual digital video outputs
- Extended Desktop (Default), Mirrored Desktop, Primary Display
- Supports High Resolution up to 2048 x 1152

Audio

- 2 CH Stereo output & Mic-in with a combo jack

Package Contents

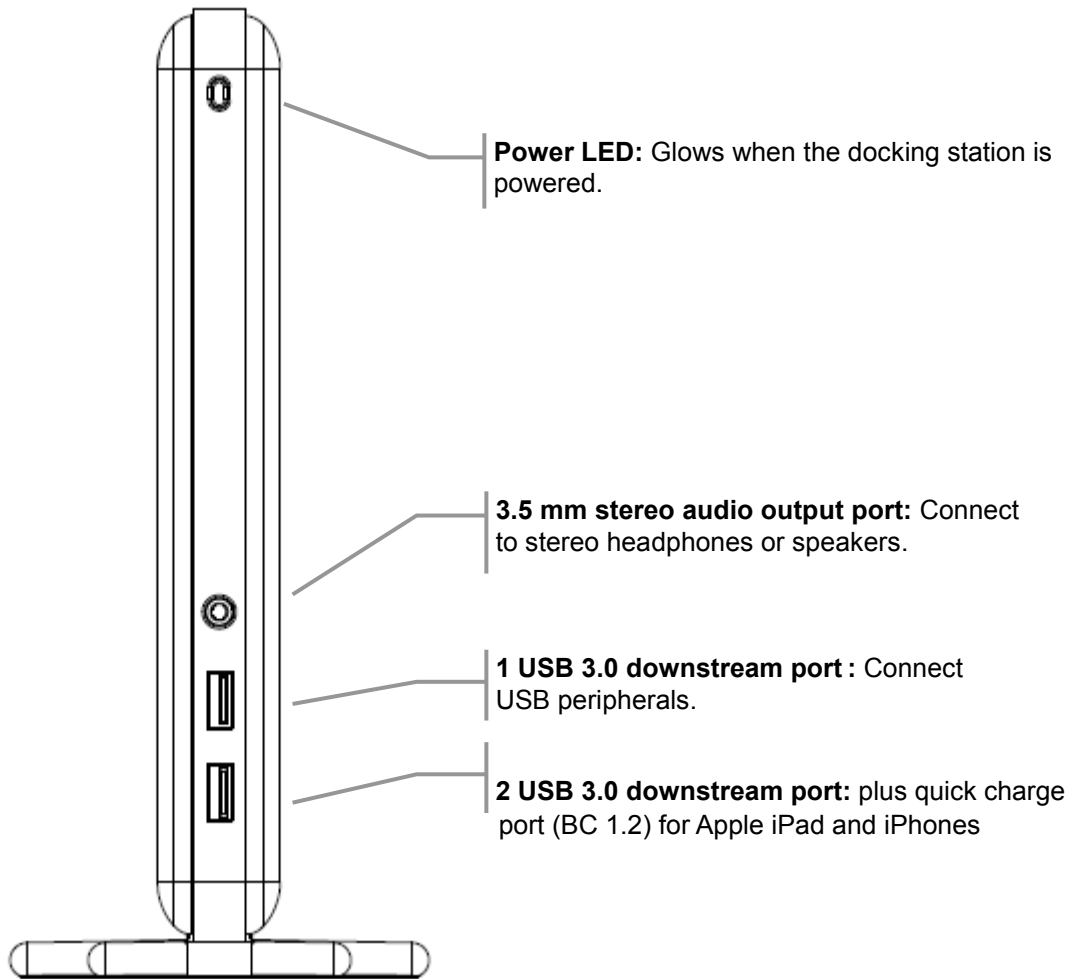
Before installation, please check the items of the package. The package should contain the following items:

- | | |
|--------------------------------|----|
| ■ USB 3.0 display dock | x1 |
| ■ Power Adapter | x1 |
| ■ USB 3.0 Cable | x1 |
| ■ Driver CD with User's Manual | x1 |
| ■ Quick Installation Guide | x1 |
| ■ DVI to VGA Adapter | x1 |

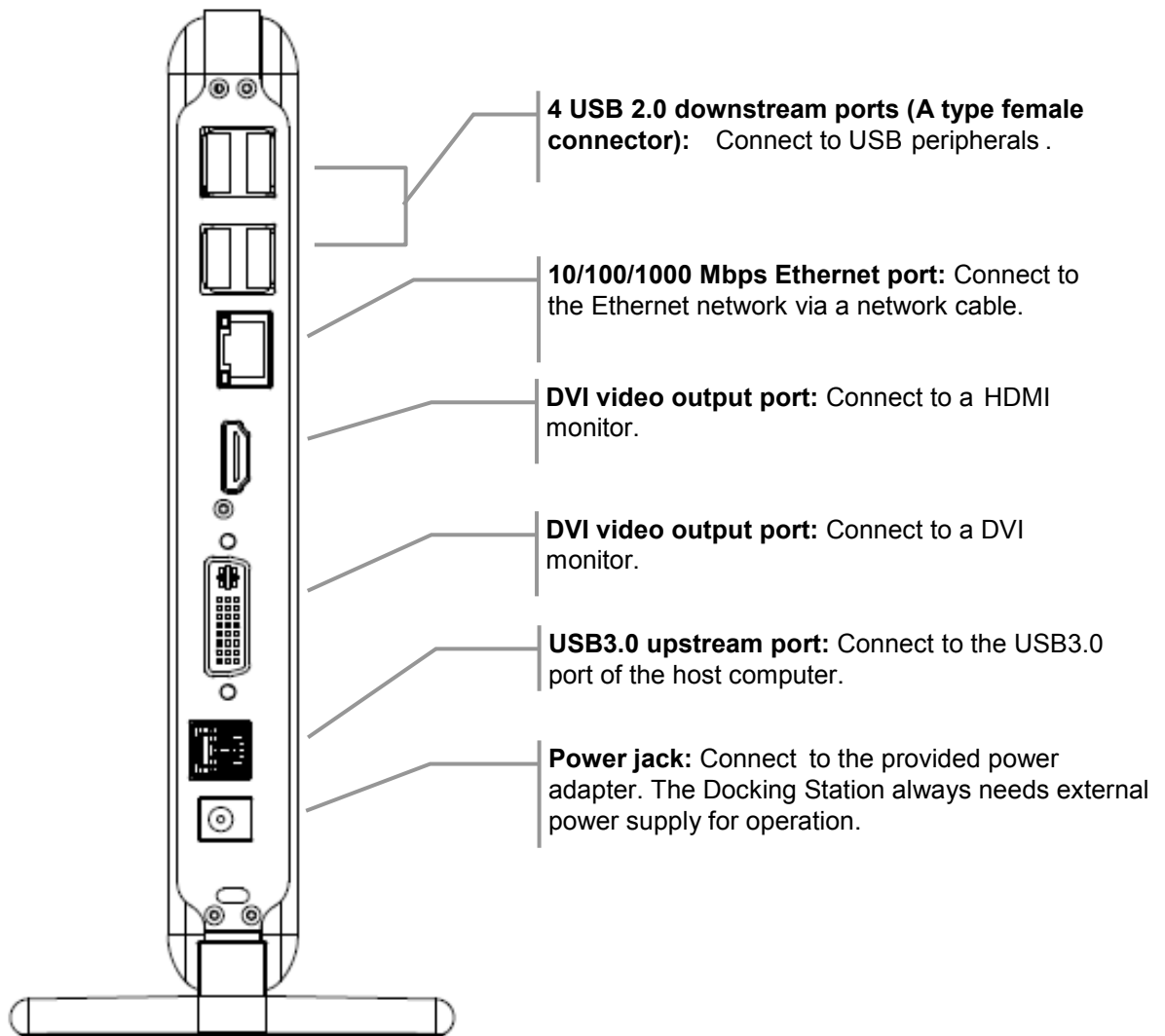
System Requirements

- One available USB port
- One of the following operating systems
Windows XP, Windows 7, Windows 8
Mac OS 10.6 or higher

Front Panel



Rear Panel



2. Installation

Driver installation

Caution: DO NOT connect the USB display dock to your computer before you install the provided driver.

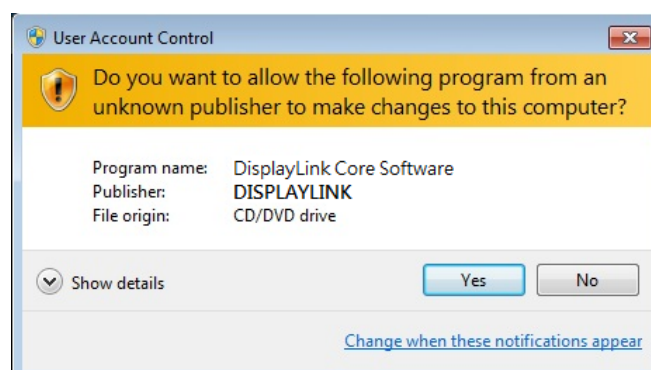
Follow the procedures below to install the driver and then connect the USB display dock to your system :

1. Insert the provided Driver CD into your disc drive. Please locate and double-click the **setup.exe** file under **x:\Driver** where x is your disc drive letter.

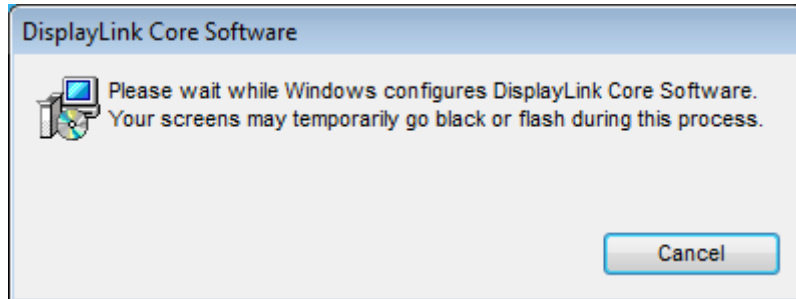


Note :

It will encounter a **User Account Control** dialog box when attempting to install a program, please click **Yes** to start the installation.



2. Please wait while Windows configures DisplayLink Core Software. Your screens may temporarily go black or flash during this process.

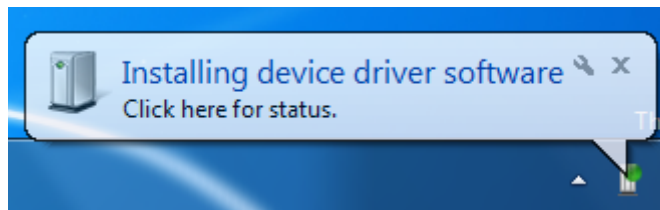


3. When finished, the installation screen will disappear and you will return to your desktop.

Note : On some machines you may need to reboot before you can use your Display dock.

Hardware installation

1. Connect the power adapter to the DS1000 and then to a wall socket. Then plug to a USB 3.0 or 2.0 port on the PC.
2. Connect the USB display dock :
Plug the USB3.0 cable into the USB upstream connector on the back of the Display dock. Then a pop-up message will appear in the notification area indicating the installation is complete.



* Actual strings depend on your operation system. These screen shots are from Windows 7 and might vary slightly for each operation system.

3. Connecting Ethernet network device
 1. Connect an Ethernet cable to the **Ethernet** port on the Display dock.
 2. Connect the other end of the Ethernet cable to your network hub, switch or router.
4. Connecting DVI/HDMI Monitor
 - For DVI port : Use a DVI cable (not provided) to connect the DVI port to a monitor equipped with DVI input jack.
 - For HDMI port : Use a HDMI cable (not provided) to connect the HDMI port to a monitor equipped with HDMI input jack.
5. Connecting USB2.0/USB3.0 Devices

Connect your USB devices to the USB ports on the Display dock. As long as one USB device is connected to the port and the connection works properly, If your USB device, such as a printer or optical drive, etc., came with its own AC adaptor, make sure that it is plugged into the device and a working electrical outlet.

6. To connect your speaker/headphones :

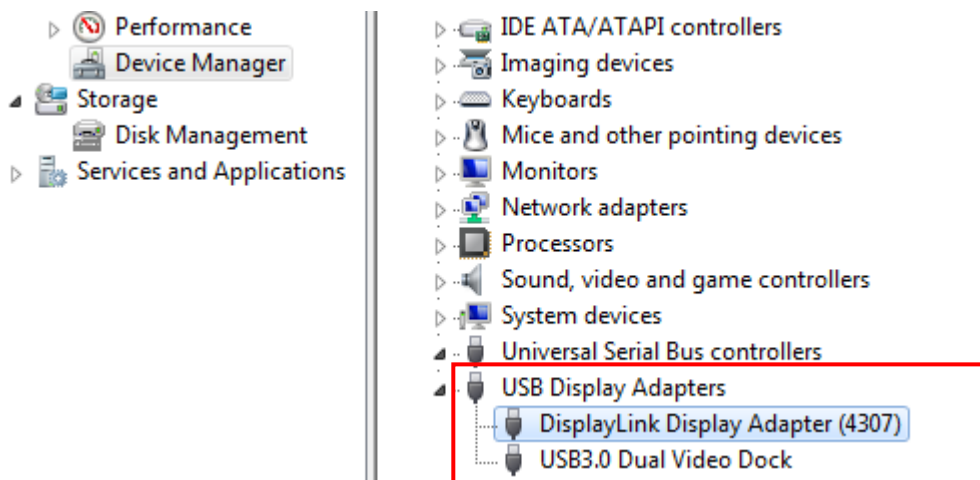
insert the plug to the green hole on the front of the Display dock. To connect a microphone, insert the plug to the pink hole on the front of the Display dock.

Verifying the Installation

Once you finish the installation, you can open Windows **Device Manager** to verify if your Ethernet Adapter is properly installed. To access the **Device Manager**:

- On Windows **7**: Right-click **Computer** on the desktop and click **System Properties>Device Manager**
- On Windows **XP**: Right-click **My Computer** on the desktop and click **Properties > (Hardware) > Device Manager**.

In the **USB Display Adapter** group, an item named **USB3.0 Dual Video Dock** should be displayed.



If there is a question or exclamation mark next to that item, then the driver is not properly installed. Please delete the item, select the **Delete the driver software for this device** option (if provided), unplug the adapter from your computer and then repeat the installation steps.

3. Using the USB Display Dock

Configuring Displays

When USB Display Dock connected , the firmware version will be checked by the host software. If they do not match, the firmware on the device will be updated. While the firmware is updating, a window similar to that shown below will be shown.

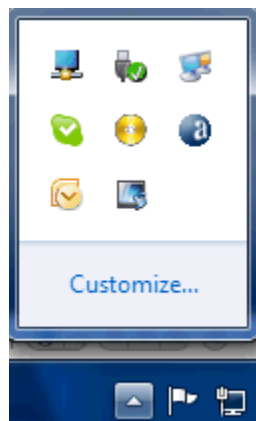


Controlling the Display

When USB Display Dock is attached, an icon appears in the taskbar. This gives you access to the DisplayLink manager menu.

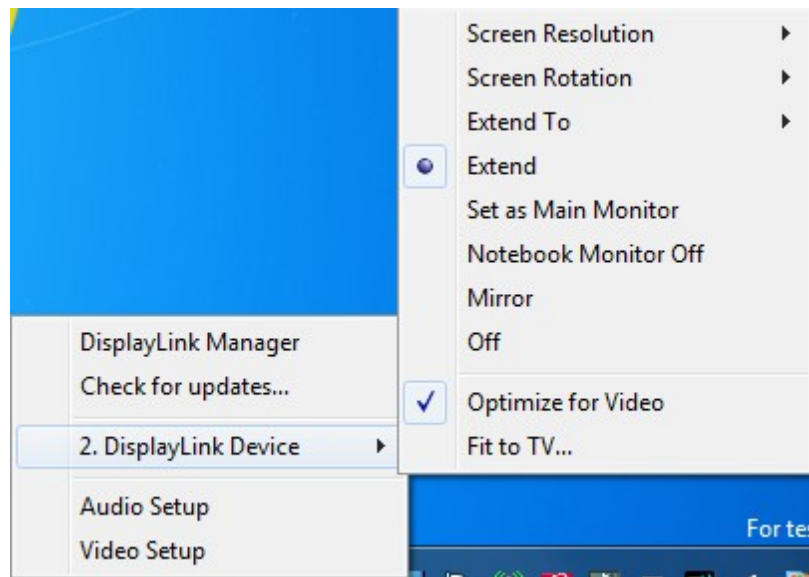
To use the DisplayLink Manager Menu

1. From the taskbar, click the Show hidden icons arrow to show all available icons.



2. Click the DisplayLink icon .

A menu appears with several options. These are shown and described below.



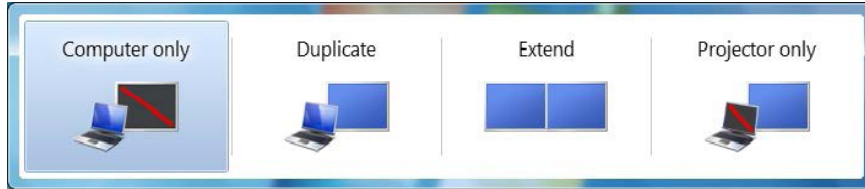
Menu Option	Sub-menu Option	Description
DisplayLink Manager		This is the UI title. Clicking on this item will open Windows screen resolution.

Menu Option	Sub-menu Option	Description
Check for Updates		Connects to the Microsoft Windows Update Server to check for newer software versions and downloads them, if available.
DisplayLink devices	Options to configure this DisplayLink device	In this section of the menu, a list of connected DisplayLink devices will appear. Each of these devices has its own sub-configuration menu. These Submenu options are covered in the table below.
Audio Setup		Opens the Windows Audio Configuration Window.
Video Setup		Opens the Windows Screen Resolution window.

Display Menu		Description
Screen Resolution		Displays a list of available resolutions. Some resolutions may be enclosed by []. This option is not available in mirror mode, as the resolution is defined as the resolution of the main monitor.
Screen Rotation	Normal	No rotation is applied to the DisplayLink display
	Rotated Left	Rotates the extended or mirrored display by 270 degrees clockwise.
	Rotated Right	Rotates the extended or mirrored display by 90 degrees clockwise.
	Upside-Down	Rotates the extended or mirrored display by 180 degrees clockwise.
Extend To	Right	Extends the display to the right of the main display.
	Left	Extends the display to the left of the main display.
	Above	Extends the display above of the main display.
	Below	Extends the display below the main display.

Display Menu	Description	
Extend		Extends your Windows desktop onto this display.
Set as Main Monitor		Sets this screen as the main display.
Notebook Monitor Off		<p>Switches off the display of the notebook and makes the DisplayLink display the main display.</p> <p>Note: This option will only appear when 1 DisplayLink USB screen, is connected. It will also only appear on Laptop computers.</p>
Mirror		<p>Copies what is on the main display and reproduces it on this display.</p> <p>Note: The resolution of this display and the primary must be the same in mirror mode. This may be lower than the preferred resolution of the display.</p> <p>It is only possible to mirror 2 displays. If a display is already set to mirror mode, this option will be grayed out for the other DisplayLink displays and not available.</p>
Off		Switches off this display.
Optimize for Video		<p>Select this option for better movie playback performance on the DisplayLink enabled displays. Only select this option when playing back video content.</p> <p>Note: Text may appear less clear when enabled.</p>
Fit to TV		<p>If the Windows desktop does not completely appear on the TV, this option can be used to adjust the size of the Windows desktop. See “Fit to TV” for details on how to configure this feature.</p> <p>Notes:</p> <ul style="list-style-type: none"> • This option will only appear when 1 DisplayLink USB screen, is connected • This option will only work in extend mode. Selecting the option in mirror mode will extend the displays.

For an attached DisplayLink device (or screen), it is possible to use **Windows Key+P** to display a menu (and cycle through it) to allow: Disconnect Projector, Duplicate, Extend, Projector Only.



*Actual strings depend on your operation system. These screen shots are from Windows 7 and might vary slightly for each operation system.

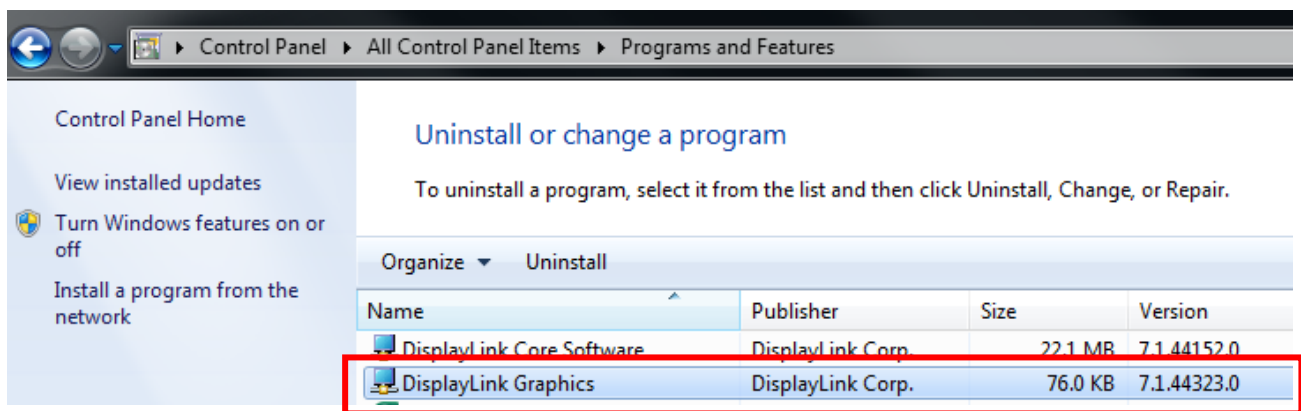
**Actual strings depend on your operation system. These screen shots are from Windows Vista 32-bit and might vary slightly for each operation system.*

4. Uninstalling the Driver

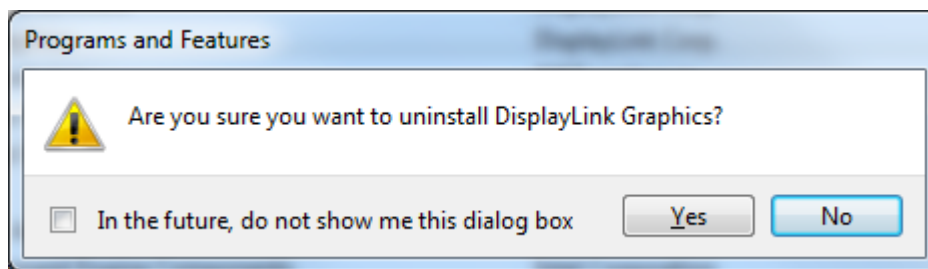
Uninstalling the Driver

Please take these steps to uninstall Driver:

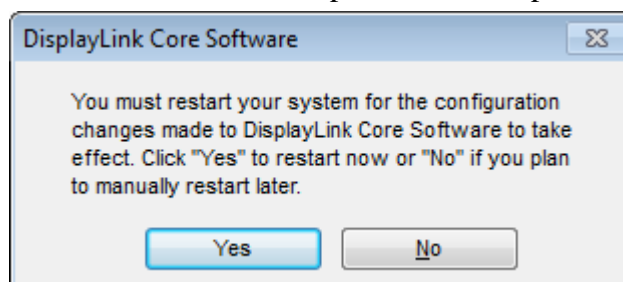
1. Open the **Control Panel, Programs and Features** and double-click **Uninstall a Program** on Windows 7 or **Add or Remove Programs** on XP.
2. Select **DisplayLink Graphics** and click Uninstall



3. Select [**Yes**] to continue the uninstall process.



4. Once uninstalled, you will be prompted to reboot
5. Click [**Yes**] the system will auto restart to complete uninstalls process.



5. Specifications

General	
Host Interface	Compliant with USB specification 3.0, 2.0
Operating System Support	Windows XP, Windows 7, Windows 8
Ports and Connectors	
Upstream	1 x Upstream USB 3.0 Port (Type A male Connector)
USB Hub Downstream	4 x Downstream USB 2.0 Port (Type A female connector) 2 x Downstream USB 3.0 Port (Type A female connector)
Ethernet	1 x Ethernet Port (10/100/1000 Base-T Ethernet RJ-45 connector)
Video	1 x DVI-I Port (24pin + 5pin Female Connector) 1 x HDMI 19pin Female Connector
Audio	1 x Microphone/Speaker combo (3.5 mm stereo audio in)
Security Lock Slot	Industry-standard Kensington® security slot
Button(Optional)	1 x Power On/Off button, press 3 second to turn the power off .(optional)
LED	
Power LED (Blue)	On: Power is supplied to the Display dock. Off: No power is supplied to the Display dock.
Power	
Power Mode	Self-powered
Power Adapter	Input: AC 100-240V, 50~60 Hz Output: DC 19V / 2A
Power Consumption	<ul style="list-style-type: none"> ● Operation Mode: 14.43W ● Suspend Mode : 0.5W
Features	

USB Downstream	<ul style="list-style-type: none"> ● Compliant to USB 3.0 and USB 2.0 ● Two USB3.0 down-stream ports supports Super-speed, high-speed and full-speed traffic ● Four USB2.0 down-stream ports support Super-speed, high-speed, full-speed and low-speed traffic.
Ethernet	<ul style="list-style-type: none"> ● IEEE 802.3, 802.3u, and 802.3ab compatible ● Supports IPv4/IPv6 . ● Supports full duplex operation with IEEE 802.3x flow control
Video	<ul style="list-style-type: none"> ● Dual digital video outputs ● Extended Desktop (Default), Mirrored Desktop, Primary Display ● Supports High Resolution up to 2048 x 1152
Audio	<ul style="list-style-type: none"> ● 2 CH Stereo output
Physical Specifications	
Housing Material	ABS (Plastic) + Metal
Dimensions	8.3(H) x 1.2(W) x 3.7(L) inches
Weight	Approximately 460 g
Environmental Specifications	
Operating Temperature	10-40°C
Storage Temperature	-10~80°C
Relative Humidity	< 85% non-condensing
Regulatory Compliances	
Safety, EMI	FCC, CE
RoHS	RoHS compliant

* Specification is subject to change without further notice.

6. Regulatory Compliance

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

CE

This device complies with the following regulations:

EN 55 022: CLASS B

WEEE Information

For EU (European Union) member users:

According to the WEEE (Waste electrical and electronic equipment) Directive, do not dispose of this product as household waste or commercial waste. Waste electrical and electronic equipment should be appropriately collected and recycled as required by practices established for your country. For information on recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product.



Diamond Technical Support

818-357-5165

(long distance rates may apply)

Mon - Fri, 8 - 4:30 PST

<http://www.diamondmm.com>

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The warranty described below is extended only to the original buyer and is not transferable.

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