Dell™ Universal Dock

D6000
User Guide



NOTE: A NOTE indicates important information that helps you make better use of your computer.

CAUTION: A CAUTION indicates potential damage to hardware or loss of data if instructions are not followed.

WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

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2017 – 03 Rev. A00

Package Contents

a. Dell Universal Dock (D6000)
b. Power adapter and power cord



Specifications

Upstream

- USB 3.0 Type A (Via C-to-A converter)
- USB-C (Support power delivery up to 65W)

Downstream

- 3 x USB 3.0 Type A
- 1 x USB 3.0 Type A (front, PowerShare)
- 1 x USB-C (front, Data only, and PowerShare)
- 1 x HDMI
- 2 x DisplayPort
- Gigabit Ethernet
- Combo Audio (Headphone/Mic)
- Audio Line out

Supports USB 3.1 Gen1.

- Product capability : product signals at 5 Gbps
- Marketing name: SuperSpeed USB
- Note: USB 3.1 Gen1 and USB 3.0 terms are synonymous

Power LED Indication

Normal working mode: White light
Platform standby: Amber light
Power Off: Light Off

LAN port LED Indication

Connection: Green (Solid green)
Active Link: Amber (blinking)

Maximum resolution and refresh rate supported for your display:

Note: Maximum Resolution/Refresh Rate will also depend on EDID table of monitors

USB-C platform users with driver install

Inputs (plug in)			Output		
DP-1	DP-2	HDMI	DP-1	DP-2	HDMI
DP-1	DP-2	HDMI	4K@60Hz	4K@60Hz	4K@30Hz
DP-1	DP-2	HDMI	5K@60Hz		4K@30Hz
DP-1	DP-2		4K@60Hz	4K@60Hz	
DP-1		HDMI	4K@60Hz		4K@60Hz
	DP-2	HDMI		4K@60Hz	4K@60Hz
DP-1			4K@60Hz		
	DP-2			4K@60Hz	
		HDMI			4K@60Hz

* If without DisplayLink driver, HDMI out will be from Alt-mode and 4K@ 30Hz.

USB-3.0 platform users with driver install

Inputs (plug in)			Output		
DP-1	DP-2	HDMI	DP-1	DP-2	HDMI
DP-1	DP-2	HDMI	4K@60Hz	4K@60Hz	N.A.**
DP-1	DP-2	HDMI	5K@60Hz		N.A.**
DP-1	DP-2		4K@60Hz	4K@60Hz	
DP-1		HDMI	4K@60Hz		4K@60Hz
	DP-2	HDMI		4K@60Hz	4K@60Hz
DP-1			4K@60Hz		
	DP-2			4K@60Hz	
		HDMI			4K@60Hz

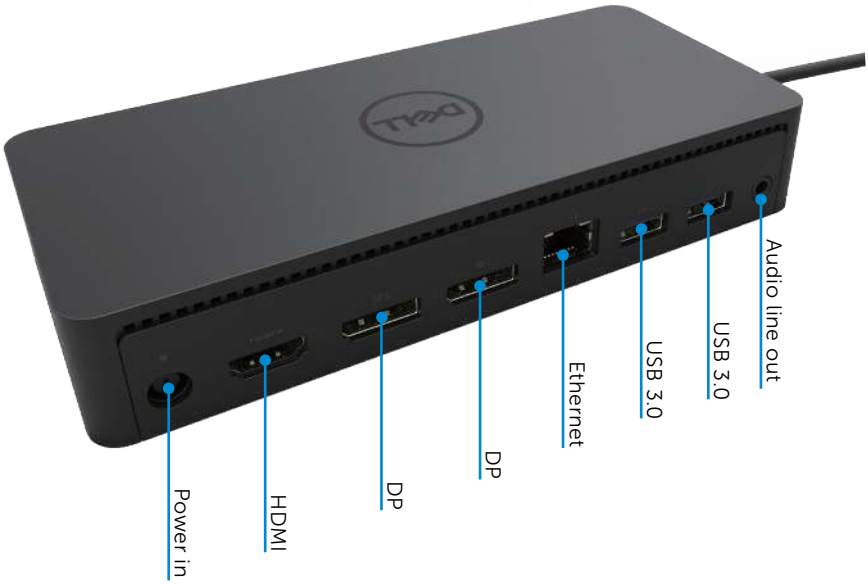
** : No Alt-mode support

Product Overview

Front View



Back View



Recommended System Requirements

Hardware

DL-6xxx devices (4K UHD resolutions)

Minimum Requirements for Office, Productivity, Web

Processor: Intel Core i3 2+GHz / Intel Core M / AMD Trinity or better
Memory: 4GB
Video Card: Intel HD 4000, ATI Radeon HD7xxx, NVidia GeForce 5xxM or better, with drivers released specifically for the Windows version.
USB: USB 2.0 but USB 3.0 recommended

Minimum Requirements for Full-Screen Video Playback

Processor: Intel SkyLake i3 or Intel Core i7 2+GHz / AMD Richland A10-575x / AMD Kaveri A10-7400P or better
Memory: 8GB
Video Card: Intel HD 4000, ATI Radeon HD 8650, NVidia GeForce 7xxM or better, with drivers released specifically for the Windows version.
USB: USB 3.0
Disk: 7200RPM or SSD
If playing UHD content (4K), the system must be capable of decoding the 4K video in the GPU.

Operating System

Wins OS (Win 7, 8, 8.1, 10); 32/64 bits (with DisplayLink Driver version: 8.2 onwards).
Ubuntu OS 14.04.2 or greater.
Chrome OS Build 58 onwards.

Recommended 130W Power adapter

AC/DC Adapter	Input voltage/ frequency/ current	1.Lite-On (DPN: VJCH5) adapter: 100 VAC to 240 VAC/50 Hz to 60 Hz. 2.Chicony (DPN: 6G99N) adapter: 100 VAC to 240 VAC/50 Hz to 60 Hz.
	Output voltage/ current	Output: 19.5VDC/6.7A

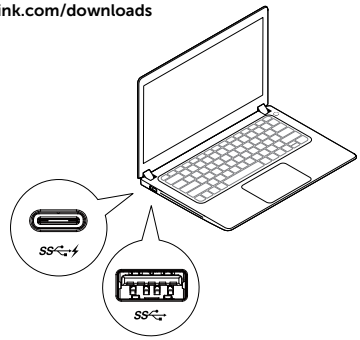
Operating Temperature

Max. operating temperature is 40 °C

Windows 7/8/8.1/10 Setup

1. Start to install the drivers first before connecting the Dock to your computer.
   It is recommended to download the latest drivers from below support website:

   · **dell.com/support**
   · **displaylink.com/downloads**

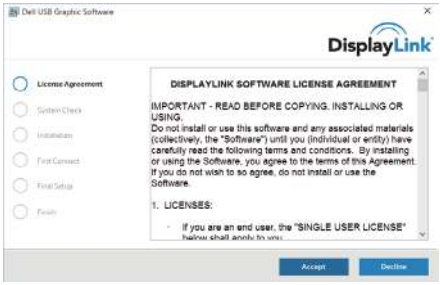


For network/IT administrators, please visit this link for a corporate installation software package. (*User registration required)

http://www.displaylink.com/corporateinstall/

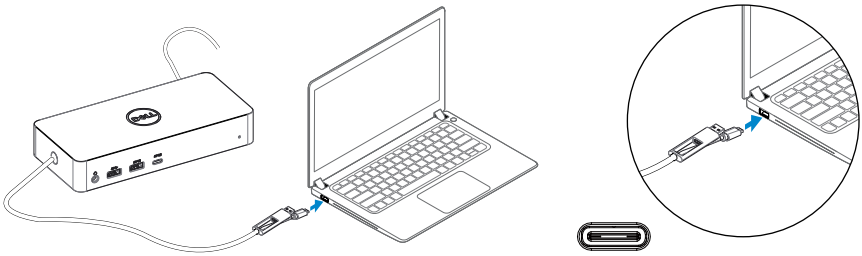
Note: Windows will start installing the DisplayLink driver automatically if connected to Internet.

2. Follow the screen instructions until the installation is complete.

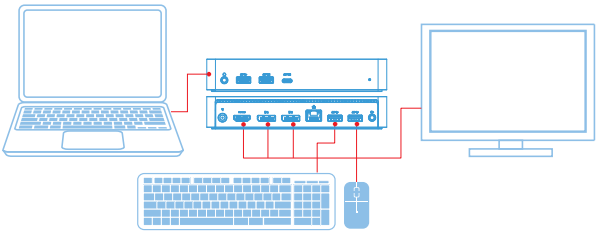




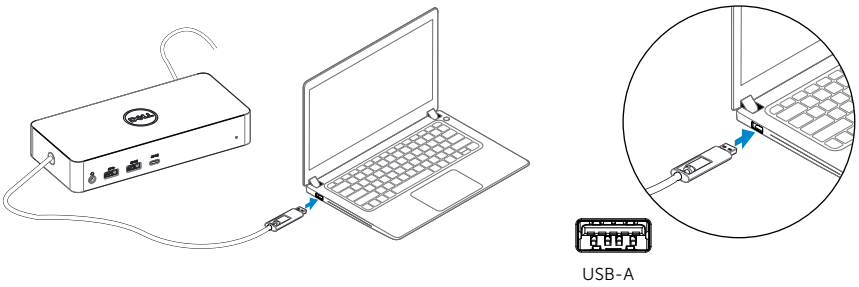
3-1-a. USB-C platform/connection



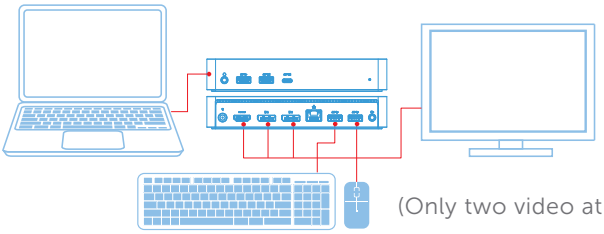
3-1-b. Connect your dock and peripherals to your PC.



3-2-a. USB 3.0 Type A platform/connection

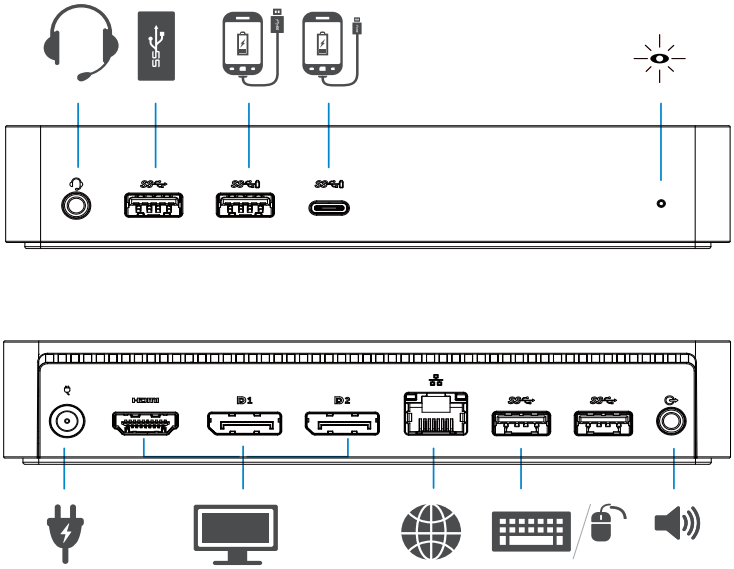


3-2-b. Connect your dock and peripherals to your PC.



(Only two video at one time)

Features



DisplayLink Manager Menu

Menu Option	Description
DisplayLink Manager	Clicking on this item will show the version of DisplayLink software installed.
Check for Updates	Windows update checking.
DisplayLink Devices	Connected DisplayLink devices checking.
Audio Setup	Opens the Windows Audio Configuration window.
Video Setup	Opens the Windows Screen Resolution window.
Screen Resolution	Displays a list of available resolutions.
Screen Rotation	Rotates the screen in clockwise or counter-clockwise direction.
Extend To	Extends the display to the right or left of the main display.
Extend	Extends the Windows desktop onto the display.
Set as Main Monitor	Sets this screen as the main display.
Notebook Monitor Off	Switches off the display of the notebook and makes the DisplayLink display the main display.
Mirror	Copies what is on the main display and reproduces it on this display.
Off	Switches off the display.
Fit to TV	Use this function to adjust the size of the windows to fit the TV screen.

To set the display into extended mode

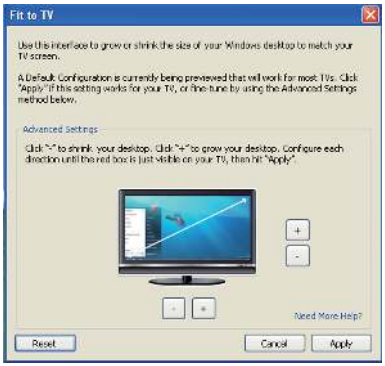
1. Click on the DisplayLink icon.
2. Select **Extend**.
   The device is now extended in the direction it was the last time the display was in this mode. For more control, use the Extend To submenu and select one of the options. This puts the device into extend mode, and places it to the Left/Right/Above/Below the main (primary) monitor.

To set the display into mirror mode

1. Click on the DisplayLink icon.
2. Select **Mirror**.
   The resolution, colour depth and refresh rate of the primary screen are replicated on the monitor connected to the DisplayLink USB Graphics device.

Fit to TV configuration

1. To configure Fit to TV, choose the option from the DisplayLink GUI.
   The following interface appears:



2. You will also see a red border on the DisplayLink screen.



   The red border shows the size of the new Windows desktop. Use the "+" and "-" controls on the Fit to TV GUI to change the size of the red border until it fits on the TV screen.

Note: Finer configuration of the size of the border can be achieved by holding down the CTRL key and clicking the "+" and "-".

3. Once the red border is at the edges of the TV screen, click **Apply** to resize the Windows desktop.

FAQs of Dell Universal Dock - D6000

Troubleshooting	Suggested Solutions
There is no video on the monitor attached to the dock.	Check the video connection cables. Unplug from the power, wait 10 seconds, and then reconnect.
The video on the attached monitor is distorted or corrupted.	Check video connection cables. Check the video resolution under Control Panel Items\ Display\Change Display Setting.
The video on the attached monitor is not displaying in extended mode.	Change the settings by either: • Configuring under Control Panel Items\Display\ Change Display Setting. • Switch by cycling the "⊞+P".
The audio jacks are not functioning.	Check the settings under Control Panel\All Control Panel Items\Sound to make sure the USB Audio device is available and set to default. Right click to show all available options.
USB ports are not functioning on the dock.	Unplug from the power, wait 10 seconds, and then reconnect. Update to the latest USB 3.0 host controller driver.
HDCP content is not able to display on the attached monitor.	HDCP content support is currently not available.
Displaylink Driver is not able to install.	Get the driver by either: • Downloading the latest driver from the Displaylink website or • Connect to Windows Update with dock. (by using Wi-Fi or Ethernet port of the laptop).
Laptop failed to boot with dock connected.	Remove all USB devices connected to the dock; some unqualified boot devices may cause lock up at boot screen.

Troubleshooting	Suggested Solutions
First time Internet access causing error message	Download the driver from an Internet connected computer and copy the driver over USB flash drive, and run the setup.
Insufficient system resources exist to complete the requested service	This can occur when entering extend mode with low system resources. The PC does not have enough memory to start an extend display. Close down any unused applications. The situation may also be improved by rebooting the PC.
Incompatible Display Driver	This message will appear if the primary graphics card drivers installed are not WDDM compatible. Windows 7 onwards is not designed to operate without WDDM drivers. Download and install the latest graphics drivers for your primary graphics card.
Laptop failed to wake up from Ethernet port	Check the settings under BIOS Items to make sure laptop supports wake-up-from-Ethernet port function.
Laptop fail to power charge when the dock is connected to your computer.	1. Make sure the dock is connected properly to its own power adapter. 2. Make sure the LED of your dock is ON (White LED). Disconnect and re-connect the dock cable to your computer. 3. Make sure the notebook's USB-C port accept power charging. 4. Check with your notebook manufacturer to confirm power charging compatibility with the dock.

Troubleshooting	Suggested Solutions
No video on the monitors attached to High Definition Multimedia Interface (HDMI), or DisplayPort (DP) port on the dock.	1. If your monitor is connected to the dock, the video output on your computer may be disabled. You can enable the video output under Control Panel Items\Display\Change Display Setting. 2. Check the resolution settings on your computer. Your monitor may support higher resolutions than what the dock is able to support. Refer to the Display Resolution Table in the User Guide of your dock for more information on maximum resolution capacity. 3. Make sure the video cable (HDMI or DisplayPort) is connected properly to the monitor and the dock. Ensure to select the correct video source on your monitor (refer to your monitors documentation for more information about changing the video source). 4. If only one monitor is shown and the other monitor is not. Download the latest driver from the Displaylink website to install or Connect to Windows Update with dock (by using Wi-Fi or Ethernet port of the laptop). 5. Try with a different monitor and Laptop computer that is known to be good, if possible.

Regulatory Information

Dell Universal Dock-D6000 complies with the FCC/CE rules and abides by worldwide regulatory compliance, engineering, and environmental affairs.

Contacting Dell:

1. Visit www.dell.com/support
2. Select your support category
3. Select the appropriate service or support link based on your need.

Or Visit:
http://www.displaylink.com/support/.