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DisplayLink Software Release: Customer Release Note
Software Package: DisplayLink Graphics
DisplayLink Core Software Version: 7.4.51572.0
DisplayLink Core Software Date: 7th October 2013
DisplayLink DL-3x00 Firmware Version: 8.4.11.57553
DisplayLink DL-41xx Firmware Version: 8.4.11.57553
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## A. Introduction

This is R7.4M2, the second maintenance release of R7.4. It has been put through a full system test and is suitable for deployment to end-users.

DisplayLink Software Release R7.4M2 delivers the following improvements:
- Improved application compatibility in Windows 8.1
- Improved Ethernet performance and stability
- Additional translations for all languages
- Critical bug fixes

DisplayLink Software Release R7.4 delivers the following improvements:
- Support for Windows 8.1
- Allow 2nd video output of DL-3900 products when a high resolution DisplayPort display is connected
- Critical bug fixes and compatibility improvements for all products

For DL-41xx users: Manufacturers must use 7.2 or later for production units as some recent changes in how we manage the splash screens and No USB displays means that upgrading from earlier releases to 7.2 will render those screens blank. The monitor will still function but the splash screen and No USB logo will not be shown. This cannot be corrected except with a reflash of the product at the factory.

For further support and information about DisplayLink software, please visit http://www.displaylink.com/support

## A1. Important notes about DL-3x00 and DL-41xx Firmware

This software release contains an embedded firmware image. DL-3x00/DL-41xx devices will be automatically upgraded with this firmware upon connection.

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C. New features
===============
DisplayLink Software Release R7.4M2 delivers the following improvements:
- Improved application compatibility in Windows 8.1
- Improved Ethernet performance and stability
- Additional translations for all languages
- Critical bug fixes

DisplayLink Software Release R7.4 delivers the following improvements:
- Support for Windows 8.1
- Allow 2nd video output of DL-3900 products when a high resolution DisplayPort
  display is connected
- Critical bug fixes and compatibility improvements for all products

C1. Fixed issues since R7.4 M0 (7.4.50415.0)
--------------------------------------------
Lenovo X1 Carbon system shows corruption for 3 seconds resuming from hibernation.
(16078)

Long delay to extend a DisplayLink screen on some PCs with Windows 8.1. (16095)

Blue screen in Ethernet driver while sending oversized Ethernet packets. (16250)

Memory leak in Ethernet driver. (16196)

Windows Media Center frozen while in full screen on Windows 8.1. (15479)

DisplayLink devices may not work on some systems with Etron USB 3.0 host
controller. (15736)

Blank display with some full screen applications in Windows 8.1. (15838)

Blank DisplayLink screens on some nVidia Optimus systems. (15986, 16254, 16007)

Error message "dlumd11.dll is either not designed to run on Windows or it contains an
error" displayed on some systems after installation. (16271)

Ethernet connection reliability issues. (15879, 16330, 16270, 15942, 16170)

Ethernet not reliable at 10Mbps. (15661)

Device not resuming reliably enumerating on the USB bus after sleep or hibernate. (16285)

On Windows7 in Basic Mode when resuming from sleep the mouse cursor may be not visible. (15055)

DL-41xx products can enter test mode during normal operation. (15862)

On some platforms, the HDMI monitor is still an image after the dock is disconnected from the PC. (15827)

Quality of DisplayLink screen sometimes drops suddenly resulting in a corrupted image. (16187)

Fix DisplayPort compliance test modes reliability issue. (16013)

DisplayLink device is not functioning after upgrading the drivers from Windows Update. (16113, 16130)

Manufacturing Test Tool not compatible with R7.3 host software. (15888)

Video commands in Manufacturing Test Tool not always working. (16057)

Manufacturing Test Tool not reliable on USB 2. (16256, 16028)

## D. How to Install and use

Please find detailed guidance and information about how to install and use this software in the DisplayLink Software User Guide: http://kb.displaylink.com/298

Corporations can apply for a corporate install version at www.displaylink.com/corporateinstall

For further support and information about DisplayLink software, please visit http://www.displaylink.com/support

## E. Supported Operating Systems

This release can be installed on the following operating systems:

- Windows XP SP2 (32-bit edition only)
- Windows XP SP3 (32-bit edition only)
- Windows Vista SP1 (32-bit and 64-bit editions)
- Windows Vista SP2 (32-bit and 64-bit editions)
- Windows 7 (32-bit and 64-bit editions)
- Windows 8 (32-bit and 64-bit editions)
- Windows Server 2008 (32-bit and 64-bit editions)
  (This OS has received limited testing)
- Windows Server 2008 R2
  (This OS has received limited testing)

Windows 2000 SP4 is supported by older versions of the DisplayLink software: http://www.displaylink.com/downloads

Video: video is supported in extend mode with most popular video players on Windows XP - Windows 8.1.

Installation on Windows Server is enabled, but untested. End users may try to use DisplayLink on server editions, but these are not supported configurations.

## F. PC Recommended Specifications

Please find detailed information about the minimum and recommended specifications to run this software in the DisplayLink Software User Guide: http://kb.displaylink.com/298

## G. Language Support

Please find the complete list of languages supported by this software in the DisplayLink Software User Guide: http://kb.displaylink.com/298

## H. Supported Hardware

Devices supported:
- DL-41xx
- DL-3100 / DL-3500 / DL-3700 / DL-3900
- DL115 / DL125 / DL165 / DL195
- DL120 / DL160

## I. Summary of Software State and Issues - Installer

3rd party USB graphics drivers are not compatible with DisplayLink's standard USB graphics software. DisplayLink devices will not work correctly and it could cause computer instability. Any previous USB graphics software should be uninstalled before installing the DisplayLink's standard USB graphics software.

After uninstalling the DisplayLink software a reboot is required before installing the same or a different version of the software. Upgrading the software will require a reboot only when necessary. (5329)

### Known issues

When installing, make sure that only a single user is logged into the PC. That user needs administrator privileges. (1112)

This release will not support the Kensington Office Dock (sd400v). This is because this
driver is not compatible with the autoinstall in the Office dock. Please refer to DisplayLink knowledgebase article 322 on the DisplayLink website for more information: http://kb.displaylink.com/322

## J. Summary of Software State and Issues - General device behaviour

### Known issues - hibernate / sleep / monitor power save / screensavers

There are some known issues caused by early versions of USB 3.0 host controller drivers. They typically occur during computer state changes (sleep, hibernate, resume, shutting down) and may result in machine crashing or hanging indefinitely. When facing this behaviour please ensure you have the latest graphics drivers installed for your system USB 3.0 host controller.
Please refer to DisplayLink knowledgebase for more recent details:
http://kb.displaylink.com/315
(11659, 12064, 12155, 12187)

### Known issues - Other

Some machines can take a long time at POST screen when booting up when a DL-3x00 device is plugged in. Updating the PC BIOS could solve this issue.

On Windows 7 when in 'Notebook monitor off' replugging the external monitor causes the main laptop screen to turn back on. This is the default OS behaviour. Use "Screen Resolution" to restore the desired layout. (11969)

Earlier drivers on Intel ATOM platforms using the Intel GMA 3650 GPU support (Clover Trail)
a maximum desktop size of 4096x4096 pixels. Adding extra screens might produce a wider or taller desktop, causing a log out or blank screens. Update the Intel driver to version 9.14.3.1117 or later to resolve this issue. (15253)

## J1. Summary of Software State and Issues - DL-41xx device behaviour

### Known issues and limitations

On-screen display will not appear if no user is logged in.

On-screen display will not appear whilst playing full screen video. (14507)

### Limitations on Windows 7 and Windows 8

Quality drops when switching from extend and clone until mouse is moved. (14521)

### Limitations on Windows XP

DisplayLink screen may freeze when switching to full screen in some DirectX applications. (14453)

DisplayLink screen may remain blank after setting to mirror after logging in the a new system account for the first time. (14581)

## K. Summary of Software State and Issues - Audio

The audio device cannot start when connected to a Fresco Logic host controller on Windows XP. (11979)

On Windows Vista the sound mixer panel may be not updated automatically when sound devices are added/removed. Reopen the mixer dialog to refresh the status. (12510)

On Windows 8, when playing video with WMP, plugging or unplugging the external speakers from a DisplayLink device may cause the video to freeze for a couple of seconds. (15602)

## L. Summary of Software State and Issues - Ethernet

DL-3x00 devices do not support half duplex operation.

When connected to a network without auto-negotiation the DL3x00 device needs to be power cycled before being connected to a network at a different speed.

On some machines with FrescoLogic USB 3.0 host controller Ethernet connection from DisplayLink device is unavailable after several replugs or after resuming from hibernation. (13268, 13583)

Wake on Lan settings are lost after upgrading DisplayLink drivers older than v7.2. (15116)

## M. Summary of Software State and Issues - Displays and Video

System behaviour with up to three DisplayLink attached screens has been well tested. Testing covers plug/unplug, mode changes, playing video, hibernate, sleep/standby, multiple users, different user rights, attached screen as primary screen, attached screen as only screen, and other aspects.

General recommendations if issues are found:

- detach then reattach the DisplayLink device's USB cable
- if the device has a power supply, disconnect and reconnect the power supply
- change display settings using DL-GUI
- change display settings using WDP
- ensure you have the latest graphics drivers installed for your system GPU

If no valid EDID is detected on an output with analog capabilities DisplayLink DL-3xxx devices will not accept such monitor and will act as if no monitor was connected at all.

Some systems have predefined Control+Function Key shortcuts that modify the desktop layout. This functionality can be confused by DisplayLink screens connected to the system. Use Windows Display Properties or the DisplayLink GUI to reliably set the desktop layout.

### Known issues - hibernate / sleep / monitor power save / screensavers

On all OSes, detaching or attaching DisplayLink attached screens while a screensaver is running may cause strange effects. Sometimes it is necessary to detach and reattach the DisplayLink attached screen after exiting the screensaver. (1984)

3D screensavers do not run well on DisplayLink devices and can cause flicker, decreased graphics performance and/or layout changes. This is on all OSes. (1150, 1177, 4426, 7892)

Sometimes DisplayLink monitor may not work after resuming from sleep if it was plugged in to the PC while it was in a sleep state. Replug the device to recover. (13901)

On some systems when the USB cable is replugged while machine is in sleep mode all screens are black after resume. Replug of the USB cable is required to recover. (15776)

### Known issues - Video players, rendering technologies and applications

On all platforms, depending on the player, there may be problems if the video window is moved between screens while video is running. It may be necessary to close and restart the video player.

Do not change the logged-on user or the display mode, position or arrangement of attached screens while a video is running. This usually confuses the video player and it may stop playing and/or show corruption on screen. (1982, 4435, 5260)

Known Issues - Other
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CRT monitors may show speckles at very high resolutions. This is because the DisplayLink device cannot always support the high pixel clock required with high CRT refresh rates. (2155)

After a reboot, the numbers used in Windows Display Properties to identify the attached screens may change. This is normal. (596)

On some systems when changing resolution a DisplayLink monitor may show corruption for a brief moment during mode transition. (10370)

'Fit to TV' settings can be changed only when the notebook screen is primary. (11183)

When two DisplayLink screens are cloning each other changing 'Optimize for Video' setting may switch them to extend mode. (12764)

Sometimes when rotating DisplayLink screen a transient red corruption is visible on the screen. It recovers automatically when rotation process is completed. (14691)

M1. Displays and Video on Windows 8 and Windows 8.1
==========

Known issues and limitations
---
Flashing and log-out with DirectX 9 and multiple DisplayLink devices. Some systems with DirectX 9 graphics cards will not work with multiple DisplayLink devices.

On Windows 8.1 some DisplayLink devices can be presented in Devices and Printers with two separate icons. (16076)

Systems with nVidia 6600/6800 GPUs are not supported on Windows 8.1. The DisplayLink software will refuse to install on such systems. (15939)

On Windows 8.1 and Intel Clover Trail platforms, when DisplayLink is the primary screen, the main screen may display corrupted content while returning from sleep. (16049)

On specific setups, system freeze while playing video with Windows Media Player. (16244)

M2. Notes on Windows 7 and Vista Modes
==========
Normally, Windows 7/Vista is in WDDM mode. In this mode, Windows 7/Vista graphics drivers are used, and the Aero Glass and Basic themes are available.

Windows 7/Vista PCs whose graphics drivers are not Windows Vista native will run in XDDM (XP-Compatible) mode. In this mode, the 3D Aero Glass theme is not available. This mode will be limited to PCs that were upgraded from XP to Vista and PCs with low-end graphics cards.

DisplayLink software supports both modes in different ways on Windows Vista and the level of support and issues are different in the two cases.
On Windows 7 XDDM is not supported.

## M3. Windows 8/7/Vista WDDM Video Issues

### Windows 8/7/Vista WDDM graphics card support

Because of restrictions in Windows WDDM support for graphics cards, the DisplayLink software works closely with the graphics drivers for the PC's graphics card. This software supports interworking with single graphics cards from Intel, ATI, NVIDIA and Via.

The following GPU configurations are supported:
- Switchable Graphics (ATI/Intel)
- Switchable Graphics (ATI/ATI)
- Switchable Graphics (NVIDIA/Intel)
- NVIDIA SLI in SLI mode

Other GPU configurations, including the following, are currently unsupported and will not function on Windows 7/Vista:
- Hybrid Graphics
- Hybrid SLI
- Hybrid Crossfire
- Hybrid CrossfireX
- Crossfire
- SLI not in SLI mode
- Multiple WDDM 1.1 graphics drivers active at once
- Intel GMA 3650 (Intel ATOM Clover Trail)

DisplayLink is improving its support for multiple graphics adapter PCs and will include improved support in future versions of the DisplayLink software.

DisplayLink cannot exclude severe problems in the case of graphics cards or driver versions that have not been interoperability tested with DisplayLink software. Should such problems arise,

- First, upgrade to the latest graphics drivers for your PC. Latest drivers can be found on the PC manufacturer's or graphics card manufacturer's website as well as Windows Update.

- Second, upgrade to the latest DisplayLink software available for your device. To find and download latest software use 'Check now...' from the DisplayLink GUI, visit www.displaylink.com or use Windows Update.

- If this does not help, please inform your DisplayLink device manufacturer's support line. Please give these details:
  + PC make, CPU and memory
  + graphics card make, model and driver version.

Windows 7 Starter Edition supports duplicate mode and 'notebook monitor off' mode. It does not support extend mode. This is a limitation introduced by Microsoft. See http://windowsteamblog.com/blogs/windows7/archive/2009/05/29/let-s-talk-about-windows-7-starter.aspx

### Known Issues - General

DisplayLink screens are not supported on systems with two graphics cards used simultaneously (supporting separate screens, or in ATI Crossfire configuration). Two graphics cards in NVIDIA SLI configuration are supported. (1704, 4441)

DisplayLink software may cause blue screens on software configurations where WDDM drivers from different manufacturers have been installed on the same system, even if just one graphics card is present. (4323)

On some systems with switchable graphics architectures a maximum of 3 DisplayLink screens is supported when in High Performance GPU mode. (4459)

On a switchable graphics machine with DisplayLink software installed do not change the bios settings to ATI only or Intel only. If you need to change those BIOS settings please first uninstall the DL software, then reinstall it once the new settings have been applied. (4339, 4506)

On some switchable graphics systems when the GPU is switched immediately after connecting a DisplayLink device for the first time, the DisplayLink screen may change from extend to duplicate mode. (8991)

On few Windows 7 laptops using two portrait DisplayLink screens, using one of the screen to duplicate the internal screen can cause corruption when the system resumes from hibernation. A restart is required to recover. (9277)

Sometimes system may drop to Aero Basic Mode after state changes (restart, hibernate, sleep). Aero Glass mode can be restored through
Control Panel -> Windows Color and Appearance -> Open classic appearance properties for more color options -> Windows Aero. (10383)

Monitor connected to the DisplayLink device is not removed from the system after being unplugged from the device while the device stays connected to the USB port. (13497)

Sometimes additional monitors connected to the computer may be turned off after unplugging a DisplayLink device. (13338)

On Windows 7 and above a DisplayLink monitor that has been turned off in WDP comes back in as active after unplug and replug. (13494)

Corruption on Windows 7 Starter Edition. (13959)

DisplayLink monitors may remain blank when the system is in Basic Mode on switchable graphics system run in high performance mode. See DisplayLink article 337 for more information: http://kb.displaylink.com/337 (14003, 13951)

## Known Issues - Intel GMA Integrated Graphics

On Vista WDDM systems with Intel 945GM graphics and with graphics driver versions around 7.14.10.1461 and 7.14.10.1504, playing a video on a DisplayLink attached screen can cause the whole system to run very slow. A reboot is needed to resolve this. To avoid the problem, do not play video on such DisplayLink screens, or downgrade the graphics drivers. (3076)

On Vista WDDM, some computers with Intel graphics reset DisplayLink screens from extend to mirror when coming out of sleep. A workaround is to disable the Intel persistence application, by removing
HKLM\Software\Microsoft\Windows\CurrentVersion\Run\Persistence (The normal value would be C:\windows\system32\igfxpers.exe). (2546)

Intel 915 chipset:  Intel do not provide a WDDM driver for this chipset. DisplayLink hardware will not operate correctly without a WDDM 1.0 or higher driver.

Intel Display Utility can crash when selecting 'Options and Support' tab when DisplayLink drivers are installed. (13692)

## Known Issues - AMD graphics

The AMD Catalyst Control Center is a tool provided by AMD to control AMD graphics cards. In the presence of DisplayLink attached screens, some parts of the tool, such as its adjustments submenu, may not work. This is on all OSes. (1596)

Some versions of the AMD Catalyst Control Center crash or show errors in the presence of DisplayLink software. This has been observed with versions since AMD driver version 8.360. This can cause problems when a screen is attached to the PC. To work around the problem, uninstall the AMD Catalyst Control Center. (4897, 6216)

On Vista WDDM with AMD graphics, the ATI External Event Utility can interfere with remembered settings for DisplayLink screens. To avoid this, disable the ATI External Event Utility as follows: Navigate to Control Panel -> System and Maintenance -> Administrative Tools -> Services: Ati External Event Utility and change the startup type to Disabled. (2674)

## Known Issues - NVIDIA graphics

With Vista, a maximum of four DisplayLink screens are supported on machines with NVIDIA graphics. In certain rare cases, exceeding this has been seen to cause repeated serious crashes. (1781)

On some NVIDIA SLi systems, it is not possible to enable or disable SLi mode while a DisplayLink screen is attached. (3147)

Triple SLi systems are not supported. (3146)

Blue screen on Windows 7 with NVIDIA NVS300 graphics card when resuming from hibernation. (10203)

DisplayLink monitors are not compatible with NVIDIA PhysX technology. (11347)

## Known Issues - Hibernate / sleep / monitor power save / screensavers

On some Windows 7 and Vista configurations, resuming from hibernate or sleep the desktop layout and/or screens resolutions might change. In most cases this is due to third party utilities (please see http://kb.displaylink.com/279) but in some cases this is a genuine issue. To recover change the setting in WDP or through the DisplayLink GUI. (5887, 7827, 7951)

On some Windows 7 and Vista configurations, disconnecting a DisplayLink screen might cause the desktop layout to be set incorrectly. To recover change the setting in WDP or through the DisplayLink GUI. (6696, 6755)

## Known Issues - DisplayLink GUI

When two DisplayLink screens are configured to mirror each other they are both displayed as 'extending' in the DisplayLink GUI. (11582)

## Known Issues - Other

On some Windows 7 systems, with Intel graphics, changing the color depth to 16 bit can disable extended DisplayLink screens. To recover use Windows Display Properties to re-enable the DisplayLink screen. (9116)

Under some circumstances when using a DisplayLink screen in 'Notebook monitor off' mode, switching to a full screen and back to windowed mode causes the desktop to move to the notebook monitor and the following error message bubble to appear: "The system cannot write to the specified device". To restore the DisplayLink display, unplug and re-plug the USB cable. (6270)

After disconnecting the DisplayLink monitor the device status is not updated in the "Devices and Printers" folder. (10669)

Version 7.14.14.19 of the VIA graphics driver are not compatible with the DisplayLink Software. Update the VIA graphics driver to the latest version to resolve. (11656)

## M4. Windows 7/Vista video players, rendering technologies and applications

Video is supported on Windows 7/Vista in extend mode in WDDM (Aero) mode. Video playing and rendering using hardware overlays is not supported. The following players are tested by DisplayLink:

- Windows Media Player 11 (www.microsoft.com/windows/windowsmedia/default.mspx)
- Windows Media Player 12 (Windows 7 only)
- WinDVD 9 (www.intervideo.com)
- WinDVD 2010 Ultra (www.intervideo.com)
- PowerDVD 9 (www.cyberlink.com)

This table shows what rendering interfaces are supported:

| Interface | Supported on Vista WDDM Aero? |
|---|---|
| DxVA | Yes, if supported by the GPU |
| D3D | Yes, but not if the DisplayLink screen is primary |
| DirectDraw | Yes |
| OpenGL | Yes, but not full screen, windowed only |
| GDI+ | Yes, but not full screen, windowed only |

### Known Issues

On Vista WDDM, some graphics-intensive applications use the GDI or OpenGL interfaces. On DisplayLink attached screens, such applications can display in a window but not full screen. Examples of such applications are Starcraft, Quake 3. (1655, 2134)

On Windows Vista, Windows Media player may fail to play with a 'Media Foundation' error if there are 4 or more attached screens. To work around this issue disconnect some of the screens before playing video. (2831)

## M5. Summary of Software State and Issues - Vista XDDM, XP

XDDM mode on Vista 64-bit is not supported. Please upgrade your graphics card driver to the latest native Vista version available.

### Known issues - hibernate / sleep / monitor power save / screensavers

On few laptop models with Intel GPUs the backlight of the built-in screen might not be turned on when resuming from standby. On these system this is only happening when a DisplayLink screen is used in "Notebook monitor Off" without connecting a secondary screen to the laptop built-in video output. To re-enable the backlight set the DisplayLink screen to Extend or Mirror, set the system to standby and resume. (7118)

### Known issues - other

The ATI Catalyst Control Center is a tool provided on machines with AMD graphics cards for managing extra screens. Some versions of this tool crash in the presence of DisplayLink software. This has been observed with versions since AMD driver version 8.360. The workaround is to uninstall the AMD Catalyst Control Center. (2054)

On Windows XP, very occasionally, a 'The system cannot write to the specified device' warning may be displayed after changing the display mode several times (e.g. Extend/Dock mode) from the DisplayLink GUI. If this happens, detach and reattach the devices to restore normal operation. (4991)

After installing the DisplayLink software a reboot is required before using the full screen command prompt on a DisplayLink screen. (8673)

On Windows XP on some configurations the desktop layout does not automatically change when a DisplayLink device is connected or disconnected. (12350)

## M6. Vista XDDM, XP video players, rendering technologies and applications

On Vista XDDM, video support is very limited. With extended screens, video or DVD playback are not supported in general. Exceptions: PowerDVD7 and Quicktime are able to display video on a DisplayLink attached display, so long as that display is the primary display. Video is not supported in clone mode. It works, but exhibits poor performance. (1495)

On XP, video support is limited to players that support hardware overlays. In extend mode, the following media players work:

- Windows Media Player 11 (www.microsoft.com/windows/windowsmedia/default.mspx)
- Windows Media Player 12 (Windows 7 only)
- WinDVD 9 (www.intervideo.com)
- PowerDVD 9 (www.cyberlink.com)

There is limited support for other video players, and for video in mirror mode.

This table shows what rendering interfaces are supported:

| Interface | Supported on XP extend? |
|---|---|
| DxVA | No |
| D3D | No |
| DirectDraw | Yes |
| OpenGL | No |
| GDI+ | No |

Simultaneous playback of multiple videos is not supported.

### Known issues with specific players and applications

Windows Media Player (WMP) sometimes fails to play DVDs on extended screens on Windows XP. The workaround is to switch off VMR in WMP. (3884)

Blu-ray playback is not supported on DisplayLink screens. Players may crash or behave incorrectly when trying to play Blu-ray content on a DisplayLink screen. (3785, 5257)

On Windows XP, Microsoft PowerPoint 2010 will not display correctly on DisplayLink screens used in duplicate mode. To work around this issue set the DisplayLink screen to extend the desktop and configure PowerPoint to use the correct screens for the presentation and the speaker notes. (8383)

On Windows XP systems with ATI or NVIDIA graphics Skype Video may not function correctly on a DisplayLink screen unless it is set as the primary display. (9256)

Occasionally corruption can be seen near the cursor when moved over a playing video on DL-3x00 devices. (10867)

N. Driver qualification information
==========
The following DisplayLink driver components included in this release have been qualified and signed by Microsoft's Windows Quality Labs (WHQL) with the specified submission identification number:

ID 1595791 - usb-v7.4.48800.0
ID 1443369 - mirror-v5.6.30731.0
ID 1471189 - extend-v6.0.34483.0
ID 1448226 - filter-v5.6.31777.0
ID 1611132 - dlcdcncm5-v7.4.51235.0
ID 1611136 - dlcdcncm6-v7.4.51235.0
ID 1587652 - dlaudio-v7.3.48463.0
ID 1587653 - dlaudio-v7.3.48463.1
ID 1599355 - dlaudio-v7.4.49439.0