

Discussion about DisplayLink support in Slackware

Update February 03, 2020

Slackware64-current with latest kernel (5.4.17) still working fine today. After any kernel upgrade, I run `grub-mkconfig -o /boot/grub/grub.cfg` and after the reboot, press e and add 3 at the end of the line starting with "linux". I login and repackage `evdi-kernel` and `nvidia-kernel`, install and reboot. Everything works fine after that, with the three monitors on the USB 3.0 docking station

Regards,

F. Bobbio C. (a.k.a. Akileo)

Update December 30, 2019

Slackware64-current with latest kernel (5.4.6) and `nvidia-driver` and `nvidia-kernel` using `evdi`, `evdi-kernel` and `displaylink` as listed below works fine with the latest versions of `nettle`, `xorg-server`, `x-org-server-xephyr`, `xorg-server-xnest` and `xorg-server-xvfb`

All three external monitors work "off the shelf", without even running any scripts. I did add some lines to `/etc/rc.d/rc.local`

```
# Load evdi after reboot
modprobe evdi
cd /usr/lib64/displaylink
./DisplayLinkManager &
```

```
# Create missing nvidia device nodes after reboot
/usr/bin/nvidia-modprobe -c 0 -u
```

More information on my "journey" with nvidia on Slackware64-current can be found here: <http://conoacum.blogspot.com/2019/12/nvidia-geforce-gtx-1050-in-slackware64.html>

Regards,

F. Bobbio C. (a.k.a. Akileo)

Update December 09, 2019

Slackware64-current with latest kernel (5.4.2) needs a patch for `evdi-kernel` to be repackaged. It can be found here: <https://crazy.dev.frugalware.org/evdi-all-in-one-fixes.patch>

The whole thread where I found it can be found here: <https://github.com/DisplayLink/evdi/issues/172>

All three packages can be repackaged using the SBo scripts:

```
1) evdi-kernel:
https://www.slackbuilds.org/repository/14.2/system/evdi-kernel/
2) evdi: https://www.slackbuilds.org/repository/14.2/system/evdi/
```

3) displaylink:

<https://www.slackbuilds.org/repository/14.2/system/displaylink/>

I had to rename the .zip for DisplayLink to displaylink-driver-5.2.14.zip for it to be repackaged without any issues

Download the latest compressed files from <https://github.com/DisplayLink/evdi/releases/> (EVDI) and <https://www.displaylink.com/downloads/ubuntu> (DisplayLink)

I can still not use the latest xorg-server, x-org-server-xephyr, xorg-server-xnest and xorg-server-xvfb

Regards,

F. Bobbio C. (a.k.a. Akileo)

Update August 16, 2019

Same issue with the latest version of the DisplayLink package and Slackware64-current. The only way to have it working is with xorg-server 1.19.6

Regards,

F. Bobbio C. (a.k.a. Akileo)

Update February 26, 2019

DisplayLink package version 5.1.26 with Slackware64-current (kernel version 4.19.25) shows screen with lines of different colors and second monitor does not work with x-org-server packages on 1.20.3 (xorg-server, x-org-server-xephyr, xorg-server-xnest and xorg-server-xvfb)

Updated to latest package for DisplayLink: <https://www.displaylink.com/downloads/file?id=1304>

Updated to latest version of EVDI: <https://github.com/DisplayLink/evdi/releases/tag/v1.6.0>

Downgraded to x-org-server packages 1.19.6

Regards,

F. Bobbio C. (a.k.a. Akileo)

Update December 11, 2018:

DisplayLink package version 4.4.24 with Slackware64-current (kernel version 4.19.8) shows screen with lines of different colors and second monitor does not work with x-org-server packages on 1.20.3 (xorg-server, x-org-server-xephyr, xorg-server-xnest and xorg-server-xvfb)

The package downloaded from DisplayLink did not install this time. I had to repackage the packages using the ones from SBo and evdi packages for 1.5.1:

<https://www.slackbuilds.org/repository/14.2/system/evdi/>

<https://www.slackbuilds.org/repository/14.2/system/evdi-kernel/>

<https://www.slackbuilds.org/repository/14.2/system/displaylink/>

<https://www.displaylink.com/downloads/file?id=1261>

<https://github.com/DisplayLink/evdi/releases>

with a small modification for the displaylink.SlackBuild

Downgrading all x-org-server packages to 1.19.6 did not work at first. A workaround was to create a script to enable HDMI (without any HDMI monitor plugged in) and then enabling the two monitors, which then worked flawlessly

Contents of HDMIMonitors.sh

```
xrandr --listproviders --setprovideroutputsource 1 0
xrandr --output DVI-I-1-1 --auto
xrandr --output DVI-I-1-1 --pos 0x0 --output HDMI1 --pos 1920x0 --output
eDP1 --pos 3840x312
```

Contents of Monitors.sh

```
xrandr --listproviders --setprovideroutputsource 1 0 --
setprovideroutputsource 2 0
xrandr --output DVI-I-1-1 --auto --output DVI-I-2-2 --auto
xrandr --output DVI-I-1-1 --pos 0x0 --output DVI-I-2-2 --pos 1920x0 --output
eDP-1 --pos 3840x312
```

I tried both of them, and rebooted after each change. The one mentioning intel required to be Intel (capital I). None of them yielded positive results. In each case, once trying to activate the screen using xrandr I was logged out and kicked back to the gdm login screen

The docking station I use is this one:

<https://www.amazon.com/Lenovo-ThinkPad-Docking-Station-0A33970/dp/B008ABKADI>

It uses the DisplayLink chipset. I have one at work. At home I use a regular HDMI cable and an external monitor, which work, even with xorg-server 1.20.0

Regards,

F. Bobbio C. (a.k.a. Akileo)

Akileo, that page you link to contains two workarounds that *do not* require downgrading xorg-server. Have you tried them? What was the result?

— [Eric Hameleers](#) 2018/07/05 17:55 (UTC)

Greetings, fellow Slackers, I am running Slackware64-current with Plasma5. Has anyone encountered issues with xorg-server 1.20.0 while running DisplayLink? I have the same issues as listed here: <https://support.displaylink.com/knowledgebase/articles/1181623-displaylink-ubuntu-driver-after-recen-t-x-upgrades>

I had to downgrade to xorg-server-1.19.6 with x-org-server-xephyr, xorg-server-xnest and xorg-server-xvfb also on the same version

I had the same issues with Slackware64-current with KDE 4, by the way. Any pointers/solutions/comments on how to fix the issue, if at all possible, while running xorg-server

1.20.0 would be more than welcome

Regards,

F. Bobbio C. (a.k.a. Akileo)

From:

<https://docs.slackware.com/> - **SlackDocs**

Permanent link:

<https://docs.slackware.com/talk:howtos:hardware:displaylink>

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