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TP-Link TL-WN725N Nano WiFi Adapter v2.0 Raspberry Pi Driver

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This is a short summary of the German article I have posted yesterday. Have a look at it, if you want to see photos how to distinguish Version 1.0 from Version 2.0 of this TP-Link TL-WN725 N Nano WiFi USB dongle.

What is this about?

TP-Link changed the chip driving it's TL-WN725N Nano WiFi stick. Whereas v1.0 would work out of the box with the newest Raspbian (02-09-13) v2.0 does not work unless you install a custom driver.

Driver installation procedure

MrEngman from the Raspberry Pi Forum has compiled a driver for v2.0 (which uses the 8188eu chip), including modifications for making the blue LED work and less debug output (thus making it faster).

Here are his installation instructions, quoted from this forum post on the Raspberry Pi Forum:

```
wget https://dl.dropboxusercontent.com/u/80256631/8188eu-20130209.tar.gz
tar -zxvf 8188eu-20130209.tar.gz
sudo install -p -m 644 8188eu.ko /lib/modules/3.6.11+/kernel/drivers/net/wireless
```

Once you have installed the driver you should activate it:

```
sudo depmod -a
sudo modprobe 8188eu
```

The first command will update the kernel module settings – on the next reboot, the new driver should be included automatically. The second command allows you to load the driver immediately. Now you can try *ifconfig* to see wlan0 – it should be available now.

Raspbian Image with driver

We have bundled the driver with a fresh Raspbian image, based on Raspbian 2013-02-09.

Additionally we have updated the apt cache, and installed all currently available updates to the default packages. This should save you some bandwidth and – more importantly – time.

This image will be 4 GB in size when you decompress it (use 7-zip), and should be installed by the usual method of image writing to SD cards. Please note that we have **not** expanded the image to fit the whole (4 GB) SD card, you still need to run *sudo raspi-config* to finish the set-up.

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The original tar.gz file from MrEngman is in the folder /home/pi/wlan-fix – just in case you should ever need it, it is already installed and activated for you in this image.

 Download raspbian-wifi-fix130523.7z (532 MB)

Update

I have updated the image today (31.05.2013). It has all updates as of the 23rd of may of a stock Raspbian install. Also I have resized the image to the real size the partitions need initially.

Please note, if you run updates the driver may become disabled. Simply use

sudo depmod -a
sudo modprobe 8188eu

to fix this after the updates.

Simple WiFi network setup

In the simple case of the Raspberry Pi being used with WLAN only, a DHCP access point / router, and no roaming is required, you should be fine with the followíng */etc/network/interfaces* file

```
auto lo

iface lo inet loopback
#iface eth0 inet dhcp

allow-hotplug wlan0
auto wlan0
iface wlan0 inet dhcp
        wpa-ssid "your-ssid"
        wpa-psk "your-password"
#wpa-roam /etc/wpa_supplicant/wpa_supplicant.conf
iface default inet dhcp
```

Change *your-ssid* and *your-password*, but please keep the quotation marks around them. As you see in the setup above, the wpa_supplicant.conf is commented out.

Posted by Max at 12:18 pm   Tagged with: driver, fix, image, linux, nano wifi, Raspbian, tp-link tl-wn725n, version 2

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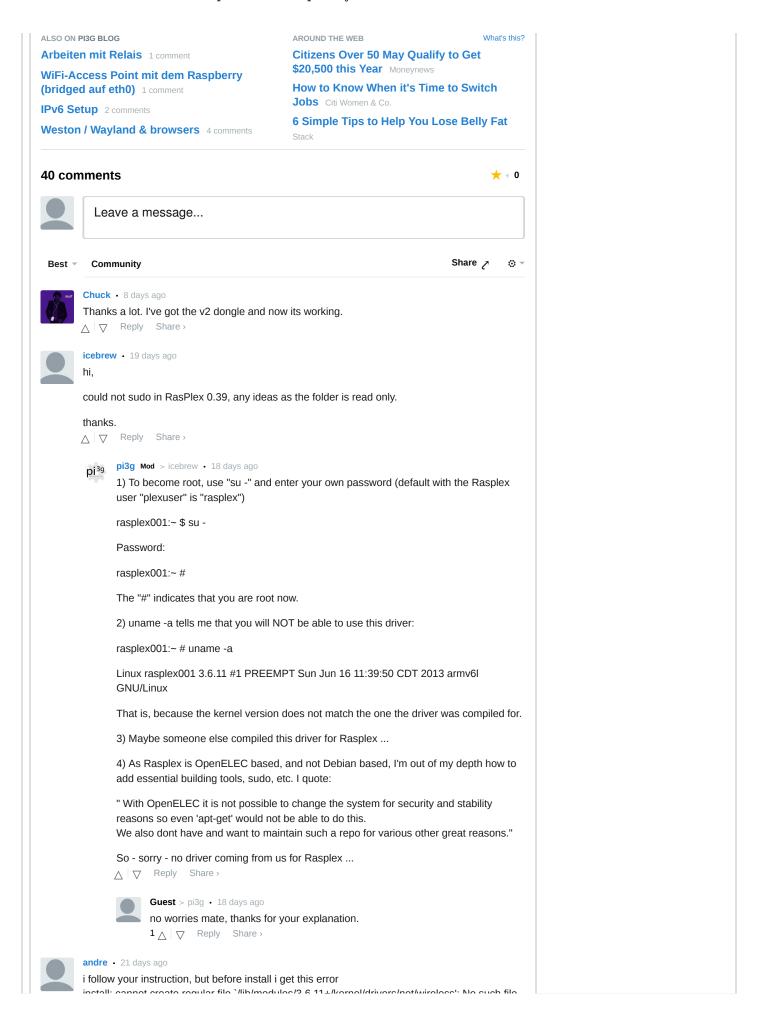Software
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👤 **Chuck** • 8 days ago
Thanks a lot. I've got the v2 dongle and now its working.
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👤 **icebrew** • 19 days ago
hi,

could not sudo in RasPlex 0.39, any ideas as the folder is read only.

thanks.
△ ▽   Reply   Share ›

👤 pi³ᵍ **pi3g** **Mod** ⟩ icebrew • 18 days ago
1) To become root, use "su -" and enter your own password (default with the Rasplex user "plexuser" is "rasplex")

rasplex001:~ $ su -

Password:

rasplex001:~ #

The "#" indicates that you are root now.

2) uname -a tells me that you will NOT be able to use this driver:

rasplex001:~ # uname -a

Linux rasplex001 3.6.11 #1 PREEMPT Sun Jun 16 11:39:50 CDT 2013 armv6l GNU/Linux

That is, because the kernel version does not match the one the driver was compiled for.

3) Maybe someone else compiled this driver for Rasplex ...

4) As Rasplex is OpenELEC based, and not Debian based, I'm out of my depth how to add essential building tools, sudo, etc. I quote:

" With OpenELEC it is not possible to change the system for security and stability reasons so even 'apt-get' would not be able to do this.
We also dont have and want to maintain such a repo for various other great reasons."

So - sorry - no driver coming from us for Rasplex ...
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👤 **Guest** ⟩ pi3g • 18 days ago
no worries mate, thanks for your explanation.
1 △ ▽   Reply   Share ›

👤 **andre** • 21 days ago
i follow your instruction, but before install i get this error
install: cannot create regular file `/lib/modules/3.6.11+/kernel/drivers/net/wireless': No such file

TP-Link 150Mbps Wireless N Nano USB Adapter TL-WN725N und Raspberry Pi

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