

[RESOLVED] Realtek RTL8811AU USB WiFi is not working



Resolution: 1920x1080@77.00hz

GLX Renderer: llvmpipe (LLVM 6.0, 128 bits)

GLX Version: 3.0 Mesa 18.0.5 Direct Rendering: Yes

CODE: SELECT ALL

ineuw@lm183dt64b ~ \$ lsusb

Bus 002 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub

Bus 001 Device 004: ID 0bda:8178 Realtek Semiconductor Corp. RTL8192CU 802.11n WLAN Adapter

Bus 001 Device 003: ID Obda:0811 Realtek Semiconductor Corp.

Bus 001 Device 002: ID 25a7:fa67

Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub

Plugged both WiFi dongles. RTL8192CU is a 300 mbps 802.1n model sold under BOLSE. The RTL8811AU is a 600mbps 802.1ac model sold under Wide Tiger.

Neither are working but I see that the older model is recognized.

Last edited by ineuw on Sat Jul 28, 2018 3:36 pm, edited 2 times in total.

Desktop: Windows 10 1909 and Linux Mint 20.0 Cinnamon 16gb RAM

Re: Realtek RTL8811AU USB WiFi is not working

by **ineuw** » Mon Jul 16, 2018 2:36 am

JeremyB, LM 18.3 is installed, updated, and working fine. Now I have ethernet but no WiFi (which I will fix later). The Realtek chip RTL8811AU does not have drivers for some Linux kernels, but there is a driver in the Ubuntu repository for a similar RTL chip which is supposed to work, and will try it later today. Also, there may be a 3rd party driver on github. Will post the results. Thanks for your help.

Last edited by ineuw on Mon Jul 16, 2018 3:30 pm, edited 1 time in total.

Desktop: Windows 10 1909 and Linux Mint 20.0 Cinnamon 16qb RAM

ineuw Level 5

Posts: 527

Joined: Sun Nov 13, 2016 12:27 am

Location: Montreal

Re: Realnet RTL8811AU USB WiFi is not working

by **JeremyB** » Mon Jul 16, 2018 5:22 am

Do

CODE: SELECT ALL



66

JeremyB Level 20

Posts: 11789

Joined: Fri Feb 21, 2014 8:17 am

Create PDF in your applications with the Pdfcrowd HTML to PDF API

sudo apt-get install dkms git build-essential git clone https://github.com/abperiasamy/rtl8812AU 8821AU linux.git cd rtl8812AU 8821AU linux sudo make -f Makefile.dkms install

Reboot and check BIOS/UEFI settings to make sure Secure Boot is disabled and it should work



Moderator @ Linux Mint

Wireless Script

Re: Realtek RTL8811AU USB WiFi is not working

by **ineuw** » Tue Jul 17, 2018 11:11 pm





ineuw

Level 5

Posts: 527

Joined: Sun Nov 13, 2016 12:27 am

Location: Montreal



jeremy8, unfortunately, this didn't work for me and apologize for the long delay in replying.

P.S: Secure Boot is always off.

Desktop: Windows 10 1909 and Linux Mint 20.0 Cinnamon 16gb RAM



Re: Realtek RTL8811AU USB WiFi is not working

by **JeremyB** » Wed Jul 18, 2018 7:28 am

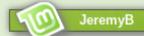
See the wireless script link in my signature and post results



JeremyB Level 20

Posts: 11789

Joined: Fri Feb 21, 2014 8:17 am



Wireless Script

Re: Realtek RTL8811AU USB WiFi is not working

by **ineuw** » Wed Jul 18, 2018 2:47 pm





ineuw Level 5

Posts: 527

Joined: Sun Nov 13, 2016 12:27 am

Location: Montreal



######## wireless info START ########

Report from: 18 Jul 2018 14:42 EDT -0400

Booted last: 18 Jul 2018 00:00 EDT -0400

Script from: 10 Jan 2018 20:04 UTC +0000

Distributor ID: LinuxMint

Description: Linux Mint 18.3 Sylvia

Release:

Last edited by JeremyB on Wed Jul 18, 2018 4:36 pm, edited 1 time in total.

Reason: code tags

Desktop: Windows 10 1909 and Linux Mint 20.0 Cinnamon 16gb RAM

Re: Realtek RTL8811AU USB WiFi is not working

by **JeremyB** » Wed Jul 18, 2018 4:42 pm

What is the result for

CODE: SELECT ALL

modprobe -c | grep 0811; locate rtl8812au.ko



JeremyB Level 20

Posts: 11789

Joined: Fri Feb 21, 2014 8:17 am



Wireless Script

Re: Realtek RTL8811AU USB WiFi is not working

by **ineuw** » Wed Jul 18, 2018 9:07 pm

After my last post, removed all traces of the rtl8812 installation attempt and reinstalled it, so that you can see the error messages the process generates during the installation. The results of

modprobe -c | grep 0811; locate rtl8812au.ko returned nothing. See end of post.

ineuw@lm183dt64b ~ \$ sudo apt install git Reading package lists... Done Building dependency tree Reading state information... Done git is already the newest version (1:2.7.4-0ubuntu1.4). 0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded. ineuw@lm183dt64b ~ \$ git clone https://github.com/gnab/rt18812au.git Cloning into 'rt18812au'... remote: Counting objects: 607, done. remote: Total 607 (delta 0), reused 0 (delta 0), pack-reused 607 Receiving objects: 100% (607/607), 1.80 MiB | 0 bytes/s, done. Resolving deltas: 100% (242/242), done. Checking connectivity... done.



Posts: 527

66

Joined: Sun Nov 13, 2016 12:27 am

Location: Montreal

Desktop: Windows 10 1909 and Linux Mint 20.0 Cinnamon 16qb RAM

Re: Realtek RTL8811AU USB WiFi is not working

by **JeremyB** » Thu Jul 19, 2018 4:56 am

I am not sure why this happened

CODE: SELECT ALL

ineuw@lm183dt64b ~ \$ sudo dkms add ./rtl8812au



JeremyB Level 20

Posts: 11789

Joined: Fri Feb 21, 2014 8:17 am

As after I cloned that repo, I got this for a result

CODE: SELECT ALL

Post results for

CODE: SELECT ALL

cat /var/lib/dkms/rtl8812au/4.2.2/build/make.log



Moderator @ Linux Mint

Wireless Script

Re: Realtek RTL8811AU USB WiFi is not working

by **ineuw** » Thu Jul 19, 2018 5:22 am

CODE: SELECT ALL



ineuw Level 5

66

Posts: 527

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Location: Montreal

Create PDF in your applications with the Pdfcrowd HTML to PDF API

PDFCROWD

/var/lib/dkms/rtl8812au/4.2.2/build/include/osdep_service_linux.h:257:8: error: '_timer {aka st

Desktop: Windows 10 1909 and Linux Mint 20.0 Cinnamon 16gb RAM

Re: Realtek RTL8811AU USB WiFi is not working

by **JeremyB** » Thu Jul 19, 2018 5:27 am

That source code is not patched for the 4.15 kernel. Try my suggestion again, reboot and post results for

CODE: SELECT ALL

modprobe -c | grep 0811; locate rtl8812au.ko



JeremyB

Level 20

Posts: 11789

Joined: Fri Feb 21, 2014 8:17 am



JeremyB

Moderator @ Linux Mint

Wireless Script

Re: Realtek RTL8811AU USB WiFi is not working

by ineuw » Thu Jul 19, 2018 5:53 am

After reboot:

ineuw@lm183dt64b ~ \$ modprobe -c | grep 0811; locate rtl8812au.ko alias usb:v0BDAp0811d*dc*dsc*dp*ic*isc*ip*in* rtl8812au

I also executed the previous command and I checked the folder there is no make.log

ineuw@lm183dt64b ~ \$ cat /var/lib/dkms/rtl8812au/4.3.14/build/make.log cat: /var/lib/dkms/rtl8812au/4.3.14/build/make.log: No such file or directory

Last edited by ineuw on Thu Jul 19, 2018 5:59 am, edited 1 time in total.

Desktop: Windows 10 1909 and Linux Mint 20.0 Cinnamon 16gb RAM





Posts: 527

Joined: Sun Nov 13, 2016 12:27 am

Location: Montreal

Re: Realtek RTL8811AU USB WiFi is not working by **JeremyB** » Thu Jul 19, 2018 5:56 am Any results for **CODE: SELECT ALL** sudo modprobe -v rtl8812au JeremyB



JeremyB Level 20

Posts: 11789

Joined: Fri Feb 21, 2014 8:17 am



Wireless Script

Re: Realtek RTL8811AU USB WiFi is not working

by ineuw » Thu Jul 19, 2018 6:01 am

neuw@lm183dt64b ~ \$ sudo modprobe -v rtl8812au insmod /lib/modules/4.15.0-23-generic/kernel/drivers/net/rtl8812au.ko modprobe: ERROR: could not insert 'rtl8812au': Unknown symbol in module, or unknown parameter (see dmesg)

Desktop: Windows 10 1909 and Linux Mint 20.0 Cinnamon 16gb RAM



ineuw Level 5

Posts: 527

Joined: Sun Nov 13, 2016 12:27 am

Location: Montreal

Re: Realtek RTL8811AU USB WiFi is not working

by **JeremyB** » Thu Jul 19, 2018 6:04 am

Lets try without dkms

CODE: SELECT ALL

cd rtl8812AU_8821AU_linux make clean make

Reboot and see if it works

sudo make install



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JeremyB Level 20

Posts: 11789

Joined: Fri Feb 21, 2014 8:17 am

Wireless Script

Re: Realtek RTL8811AU USB WiFi is not working

by **ineuw** » Thu Jul 19, 2018 6:08 am

Executed dmesg and it's an 858 line document so it's better if I upload it as a zip file.

ATTACHMENTS

180718-rtl8812au-dmesg-results.txt.zip

(16.27 KiB) Downloaded 139 times

Desktop: Windows 10 1909 and Linux Mint 20.0 Cinnamon 16gb RAM





Posts: 527

Joined: Sun Nov 13, 2016 12:27 am

Location: Montreal

Re: Realtek RTL8811AU USB WiFi is not working



Thu Jul 19, 2018 6:04 am

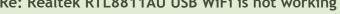


Level 5

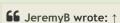
Posts: 527

Joined: Sun Nov 13, 2016 12:27 am

Location: Montreal



by **ineuw** » Thu Jul 19, 2018 6:13 am



Lets try without dkms

CODE: SELECT ALL

cd rtl8812AU 8821AU linux

make clean

make

sudo make install

Reboot and see if it works

All the steps until make install were successful. 😃



CODE: SELECT ALL

ineuw@lm183dt64b ~/rtl8812AU 8821AU linux \$ sudo make install

[sudo] password for ineuw:

install -p -m 644 rtl8812au.ko /lib/modules/4.15.0-23-generic/kernel/drivers/net/wireless/

install: target '/lib/modules/4.15.0-23-generic/kernel/drivers/net/wireless/' is not a directory
Makefile:1590: recipe for target 'install' failed
make: *** [install] Error 1

Desktop: Windows 10 1909 and Linux Mint 20.0 Cinnamon 16gb RAM

Re: Realtek RTL8811AU USB WiFi is not working

by **JeremyB** » Thu Jul 19, 2018 6:18 am

That is strange, what about

CODE: SELECT ALL

dkms status



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JeremyB Level 20

Posts: 11789

Joined: Fri Feb 21, 2014 8:17 am



Moderator @ Linux Mint

Wireless Script

Re: Realtek RTL8811AU USB WiFi is not working

by **ineuw** » Sun Jul 22, 2018 1:52 pm

JeremyB, installed the latest kernel 4.15.0-29 and it works, (as opposed to 4.15.0-24, which does not). I repeated the instructions from github and this is the error I received from:

CODE: SELECT ALL

```
sudo make -f Makefile.dkms install

make clean
make[1]: Entering directory '/home/ineuw/rtl8812AU_8821AU_linux'
make ARCH=x86_64 CROSS_COMPILE= -C /lib/modules/4.15.0-29-generic/build M=/home/ineuw/rtl8812AU
make[2]: Entering directory '/home/ineuw/rtl8812AU_8821AU_linux'
make[2]: *** /lib/modules/4.15.0-29-generic/build: No such file or directory. Stop.
make[2]: Leaving directory '/home/ineuw/rtl8812AU_8821AU_linux'
Makefile:1605: recipe for target 'clean' failed
make[1]: *** [clean] Error 2
```



Posts: 527

Joined: Sun Nov 13, 2016 12:27 am

Location: Montreal

