How to install WU600 with Ubuntu 18.04/20.04

1. Check your driver.

   Make sure your Linux driver is: rtl8821CU_rtl8731AU_WiFi_linux_v5.8.1.7_37266.20200929_COEX20200616-4141.tar.gz

   If it is not, write email to support@cudy.com and ask for this driver.

2. Login your Ubuntu 18.04/20.04, and enter your working directory.

   For example:

   root@ubuntu:/home/colin/project#

   Don't use the complex directory name.

   Especially don't use a directory whose name include BLANK.

   Maybe you can create the same directory as "/home/colin/project".

3. Copy the driver into your working directory. And unpack this file with command of "tar -xzvf".

   For example:

   root@ubuntu:/home/colin/project# tar -xzvf ./rtl8821CU_rtl8731AU_WiFi_linux_v5.8.1.7_37266.20200929_COEX20200616-4141.tar.gz

4. You will find a new folder "./rtl8821CU_rtl8731AU_WiFi_linux_v5.8.1.7_37266.20200929_COEX20200616-4141" created in "/home/colin/project".

5. Enter the directory of "./rtl8821CU_rtl8731AU_WiFi_linux_v5.8.1.7_37266.20200929_COEX20200616-4141" , and run "sudo make" with root authority.

   For example:

   root@ubuntu:/home/colin/project# cd ./rtl8821CU_rtl8731AU_WiFi_linux_v5.8.1.7_37266.20200929_COEX20200616-4141

   root@ubuntu:/home/colin/project/rtl8821CU_rtl8731AU_WiFi_linux_v5.8.1.7_37266.20200929_COEX20200616-4141# sudo make

6. After the above step succeeds, run "sudo make install".

   For example:

   root@ubuntu:/home/colin/project/rtl8821CU_rtl8731AU_WiFi_linux_v5.8.1.7_37266.20200929_COEX20200616-4141# sudo make install

7. Run "sudo modprobe -r 8821cu".

   For example:

   root@ubuntu:/home/colin/project/rtl88x2BU_WiFi_linux_v5.8.7.4_37264.20200922_COEX20191120-7777# sudo modprobe -r 8821cu

8. Run "sudo modprobe 8821cu".

   For example:

   root@ubuntu:/home/colin/project/rtl88x2BU_WiFi_linux_v5.8.7.4_37264.20200922_COEX20191120-7777# sudo modprobe 8821cu

9. Done

Summary（Installation command）:

root@ubuntu:~# cd /home/colin/project   (Notes: Driver must have been copy to this directory.)

root@ubuntu:/home/colin/project/# tar -xzvf ./rtl8821CU_rtl8731AU_WiFi_linux_v5.8.1.7_37266.20200929_COEX20200616-4141.tar.gz

root@ubuntu:/home/colin/project/# cd ./rtl8821CU_rtl8731AU_WiFi_linux_v5.8.1.7_37266.20200929_COEX20200616-4141

root@ubuntu:/home/colin/project/rtl8821CU_rtl8731AU_WiFi_linux_v5.8.1.7_37266.20200929_COEX20200616-4141# sudo make

root@ubuntu:/home/colin/project/rtl8821CU_rtl8731AU_WiFi_linux_v5.8.1.7_37266.20200929_COEX20200616-4141# sudo make install

root@ubuntu:/home/colin/project/rtl8821CU_rtl8731AU_WiFi_linux_v5.8.1.7_37266.20200929_COEX20200616-4141# sudo modprobe -r 8821cu

root@ubuntu:/home/colin/project/rtl8821CU_rtl8731AU_WiFi_linux_v5.8.1.7_37266.20200929_COEX20200616-4141# sudo modprobe 8821cu

10. **However**, we have to go on to configure the **usb_modeswitch**. Otherwise, WU600 will work as a DISK but not a wi-fi adapter.

11. Edit the file of "/lib/udev/rules.d/40-usb_modeswitch.rules". Add an entry "ATTR{idVendor}=="0bda", ATTR{idProduct}=="1a2b", RUN+="usb_modeswitch '/%k'"" into this file as following screenshot.

For example:

root@ubuntu:/home/colin/project/ # vim /lib/udev/rules.d/40-usb_modeswitch.rules

```
# Part of usb-modeswitch-data, version 20170806
#
# Works with usb_modeswitch versions >= 2.4.0. Slash before %k parameter
# is for compatibility only. Versions >= 2.5.0 don't need it.
#
ACTION!="add|change", GOTO="modeswitch_rules_end"

# Adds a symlink "gsmmodem[n]" to the lowest ttyUSB port with interrupt
# transfer; checked against a list of known modems, or else no action
KERNEL=="ttyUSB*", ATTRS{bNumConfigurations}=="*", PROGRAM="usb_modeswitch --symlink-name %
p %s{idVendor} %s{idProduct} %E{PRODUCT}", SYMLINK+="%c"

SUBSYSTEM!="usb", ACTION!="add",, GOTO="modeswitch_rules_end"

# Generic entry for most Huawei devices, excluding Android phones
ATTRS{idVendor}=="12d1", ATTRS{manufacturer}!="Android", ATTR{bInterfaceNumber}=="00", ATTR
{bInterfaceClass}=="08", RUN+="usb_modeswitch '/%k'"

# Realtek RTL8821CU
ATTR{idVendor}=="0bda", ATTR{idProduct}=="1a2b", RUN+="usb_modeswitch '/%k'"

# HP LaserJet Professional P1102
ATTR{idVendor}=="03f0", ATTR{idProduct}=="002a", RUN+="usb_modeswitch '/%k'"

# HP LaserJet Professional P1102w
ATTR{idVendor}=="03f0", ATTR{idProduct}=="032a", RUN+="usb_modeswitch '/%k'"

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```

12. Enter the directory "/usr/share/usb_modeswitch/".

For example:

root@ubuntu:/home/colin/project/# cd /usr/share/usb_modeswitch/

root@ubuntu:/usr/share/usb_modeswitch/ #

13. Unpack the file "configPack.tar.gz" with command "tar-xzvf configPack.tar.gz". And then, delete "configPack.tar.gz".

For example:

root@ubuntu:/usr/share/usb_modeswitch/# tar -xzvf configPack.tar.gz

root@ubuntu:/usr/share/usb_modeswitch/# rm configPack.tar.gz

14. Create a new file of "**0bda:1a2b**". Yes, the file name is "**0bda:1a2b**". Input the item as the illustration into this file.

For example:

root@ubuntu:/usr/share/usb_modeswitch/# vim 0bda:1a2b

```
root@ubuntu: /usr/share/usb_modeswitch
File  Edit  View  Search  Terminal  Help
# Realtek RTL8821CU
TargetVender=0x0bda
TragetProduct=0xc820
StandardEject=1
```

15. Copy "0bda:1a2b" into "/etc/usb_modeswitch.d/"

For example:

root@ubuntu:/usr/share/usb_modeswitch/# cp 0bda:1a2b /etc/usb_modeswitch.d

16. Re-pack all the files including "0bda:1a2b" into "configPack.tar.gz".

For example:

root@ubuntu:/usr/share/usb_modeswitch/# tar -czvf configPack.tar.gz ./*

17. Delete all the files except configPack.tar.gz.

```
root@ubuntu:/usr/share/usb_modeswitch# ls
configPack.tar.gz
root@ubuntu:/usr/share/usb_modeswitch#
```

18. Reboot your Linux.

19. All done!

Summary（Configure USB_Switch）

root@ubuntu:~# cd /home/colin/project

root@ubuntu:/home/colin/project/# vim /lib/udev/rules.d/40-usb_modeswitch.rules

root@ubuntu:/home/colin/project/# cd /usr/share/usb_modeswitch/

root@ubuntu:/usr/share/usb_modeswitch/# tar -xzvf configPack.tar.gz

root@ubuntu:/usr/share/usb_modeswitch/# rm configPack.tar.gz

root@ubuntu:/usr/share/usb_modeswitch/# vim 0bda:1a2b

root@ubuntu:/usr/share/usb_modeswitch/# cp 0bda:1a2b /etc/usb_modeswitch.d

root@ubuntu:/usr/share/usb_modeswitch/# tar -czvf configPack.tar.gz ./*