

How to install RTL88x2BU with Ubuntu 18.04/19.10

(WU1200/WU1300/ WU1300S/WU1400)

1. Check your driver.

Make sure your linux driver's name is :

rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a.tar.gz

If you cannot pick out the driver from the CD, please let me know and write email to support@cudy.com.

2. Login your Ubuntu 18.04, and enter your working directory. For example:

```
root@ubuntu: /home/binn/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/binn/project".

3. Copy the driver, whose name is "**rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a.tar.gz**", into your working directory. And unpack this file with command of "**tar -xzvf rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a.tar.gz**". For example:

```
root@ubuntu: /home/binn/project#  
root@ubuntu: /home/binn/project# tar -xzvf rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a.tar.gz
```

4. Then, you may find a new folder "**rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a**" created. For example:

```
root@ubuntu: /home/binn/project# ls  
bak rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a.tar.gz  
root@ubuntu: /home/binn/project#
```

5. Then enter the directory of "**rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a**", and "**sudo make**" with root authority.

```
root@ubuntu: /home/binn/project#  
root@ubuntu: /home/binn/project# cd rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a  
root@ubuntu: /home/binn/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a# sudo make
```

6. When complete, you may get the info as following.

```
CC [M] /home/binn/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a/hal/phydm/halrf/rtl8822b/halrf_rfk_init_8822b.o  
CC [M] /home/binn/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a/hal/phydm/rtl8822b/phydm_regconfig8822b.o  
CC [M] /home/binn/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a/hal/phydm/rtl8822b/phydm_rtl8822b.o  
CC [M] /home/binn/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a/hal/phydm/txbf/haltxbf8822b.o  
CC [M] /home/binn/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a/hal/btc/halbtc8822bwifionly.o  
CC [M] /home/binn/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a/hal/btc/halbtc8822b1ant.o  
CC [M] /home/binn/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a/hal/btc/halbtc8822b2ant.o  
CC [M] /home/binn/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a/platform/platform_ops.o  
CC [M] /home/binn/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a/core/rtw_mp.o  
LD [M] /home/binn/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a/88x2bu.o  
Building modules, stage 2.  
MODPOST 1 modules  
CC /home/binn/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a/88x2bu.mod.o  
LD [M] /home/binn/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a/88x2bu.ko  
make[1]: Leaving directory '/usr/src/linux-headers-5.0.0-37-generic'  
root@ubuntu: /home/binn/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a#  
root@ubuntu: /home/binn/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a#
```

7. Then, "**sudo make install**" the driver as following.

```
root@ubuntu: /home/binn/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a# sudo make install  
install -p -m 644 88x2bu.ko /lib/modules/5.0.0-37-generic/kernel/drivers/net/wireless/  
/sbin/depmod -a 5.0.0-37-generic  
root@ubuntu: /home/binn/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a#  
root@ubuntu: /home/binn/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a#  
root@ubuntu: /home/binn/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a#
```

8. Done

Total Command Summary:

```
cd /home/binn/project          - This directory include the linux driver.
tar -xzvf rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a.tar.gz
cd rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a
sudo make
sudo make install
```

9. You can have a check whether the adapter has installed.

Command : lsusb

```
binn@ubuntu:~/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a$
binn@ubuntu:~/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a$ lsusb
Bus 001 Device 002: ID 0bda:b812 Realtek Semiconductor Corp. 802.11ac NIC
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 002 Device 003: ID 0e0f:0002 VMware, Inc. Virtual USB Hub
Bus 002 Device 002: ID 0e0f:0003 VMware, Inc. Virtual Mouse
Bus 002 Device 001: ID 1d6b:0001 Linux Foundation 1.1 root hub
binn@ubuntu:~/project/rtl88x2BU_WiFi_linux_v5.6.1.6_35492.20191025_COEX20180928-6a6a$
```