How to install RTL8821CU with Ubuntu 18.04/20.04

(WU650/WU650S/WU660/WU700)

1. Check your driver.
   Make sure you've got the driver, which should be rtl8821cu_linux.zip for your USB adapter.
   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 "unzip rtl8821cu_linux.zip".
   For example:

   root@ubuntu:/home/colin/project# unzip rtl8821cu_linux.zip

4. A new folder "./rtl8821cu_linux" will be created in your working directory.

5. Enter the directory of "project/rtl8821cu_linux", and run "sudo make" with root authority.
   For example:

   root@ubuntu:/home/colin/project# cd rtl8821cu_linux

   root@ubuntu:/home/colin/project/rtl8821cu_linux# sudo make

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

   root@ubuntu:/home/colin/project/rtl8821cu_linux# sudo make install

7. Run "sudo modprobe -r 8821cu".
   For example:

   root@ubuntu:/home/colin/project/rtl8821cu_linux# sudo modprobe -r 8821cu

8. Run "sudo modprobe 8821cu".
   For example:

   root@ubuntu:/home/colin/project/rtl8821cu_linux# sudo modprobe 8821cu

9. Done

Summary（Installation command）:

root@ubuntu:~# cd /home/colin/project   (Notes: This directory contains the zip file of driver.)

root@ubuntu:/home/colin/project/# unzip rtl8821cu_linux.zip

root@ubuntu:/home/colin/project/# cd rtl8821cu_linux

root@ubuntu:/home/colin/project/rtl8821cu_linux# sudo make

root@ubuntu:/home/colin/project/rtl8821cu_linux# sudo make install

root@ubuntu:/home/colin/project/rtl8821cu_linux# sudo modprobe -r 8821cu

root@ubuntu:/home/colin/project/rtl8821cu_linux# sudo modprobe 8821cu

FAQ 1 .

Q: Linux prompts "modprobe: ERROR: could not insert '88x2bu' : Operation not permitted" while run the command "sudo modprobe 88x2bu" . How to fix the issue?
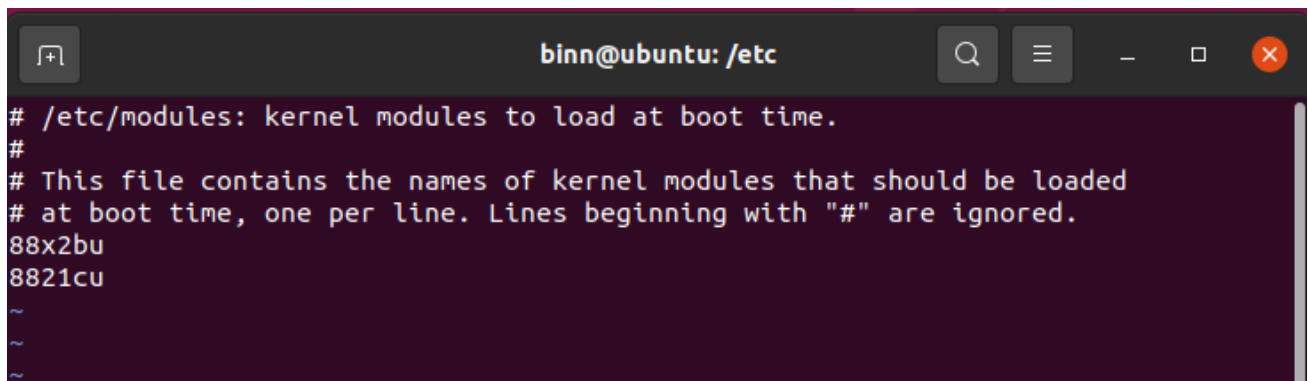
A: It may be caused by the setting of Secure Boot in the BIOS of your computer. Please try to disable this option and then retry to run the command.

FAQ 2.

Q: The driver is not installed when the computer reboots. How to fix the issue?

A: Try to add a new line into "/etc/modules", which should be as like as below.

Warning：The string is "8821CU" but not "8821cu".

If more than one "8821CU" have been added into /etc/modules, please edit this file and remove the redundant string of 8821CU.