**EWM FAQ**

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| **Category** | EWM | **Date** | 2020/09/21 |
| **Keyword** | Build driver package, X86 platform,Ubuntu 18.04 LTS,Linux kernel 5.4.0-42 | | |

* **Question:**

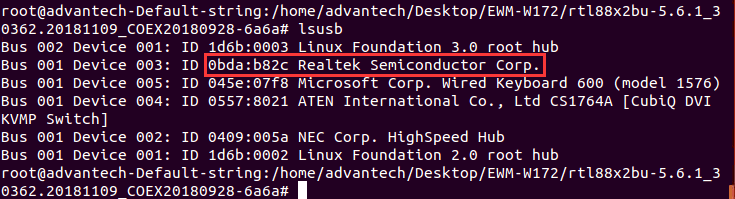
How to build EWM-W172H01E’s wlan driver on Ubuntu 18.04 OS?

* **Instructions :**

Step 1

When inserting EWM-W172H01E module on your device, please ensure the module can be recognized on USB bus interface

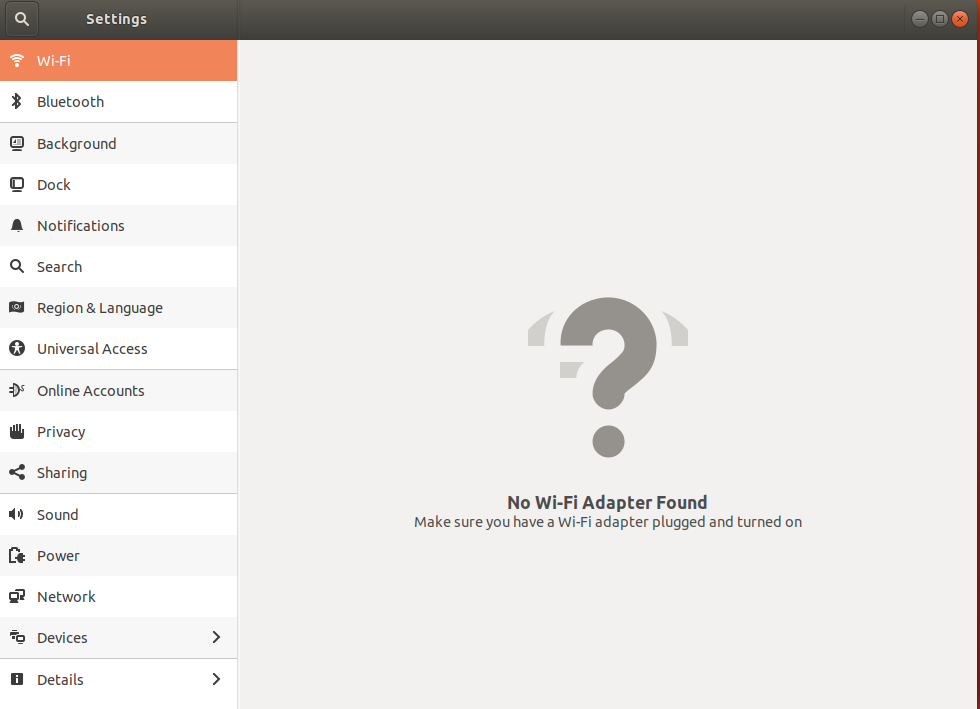
* Enter “lsusb” command on terminal



Step 2

Confirm if the WiFi function is workable or not

**<Example>**  
 The following capture image is unworkable



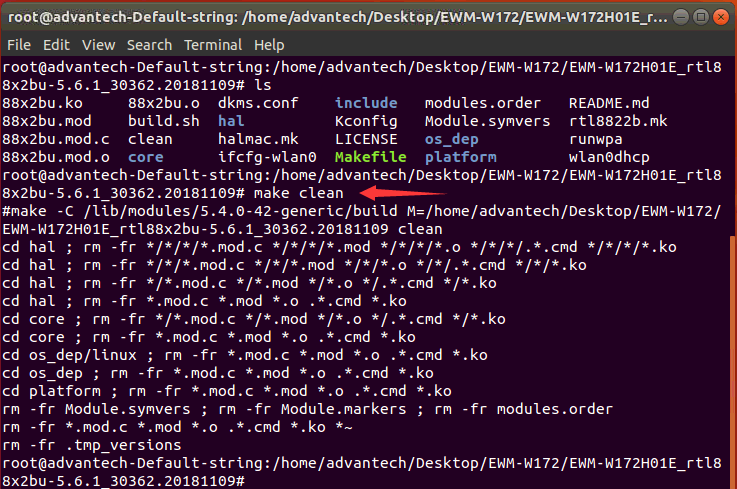
Step 3

Download driver package from following url  
<https://www.dropbox.com/sh/cdgxv4401otjk7l/AABj0MVZUqYlNZ8N8oR4sYnpa/WiFi%2BBT/W172/Driver/Linux/WiFi/EWM-W172H01E_rtl88x2bu-5.6.1_30362.20181109.zip?dl=0>

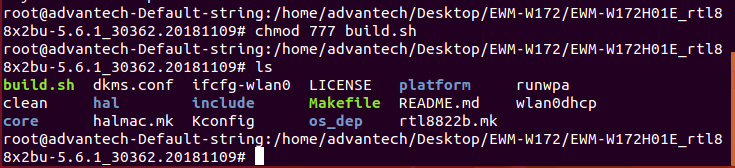
Step 4

Decompress the driver package and enter to root directory

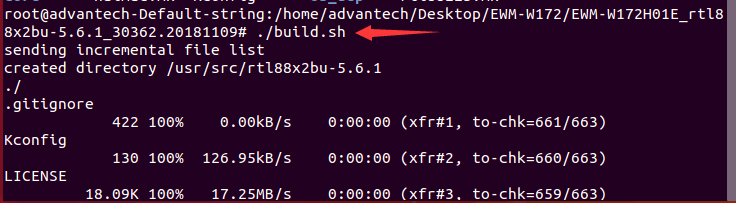
* **sudo make clean**



* **sudo chmod 777 build.sh**

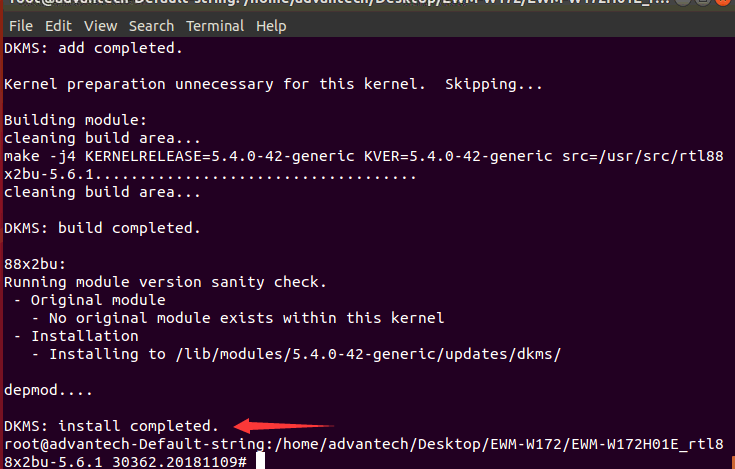


* **sudo ./build.sh**



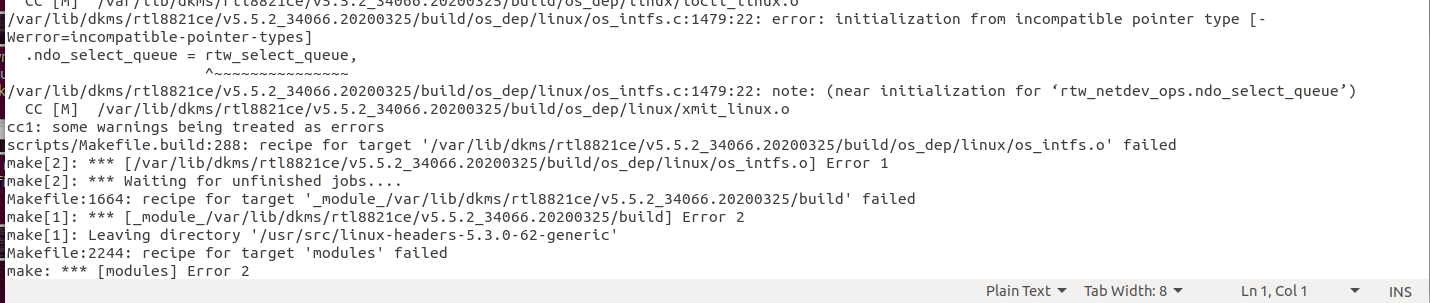
Step 5

After running a period of time, the installation process will be done and show “install completed”

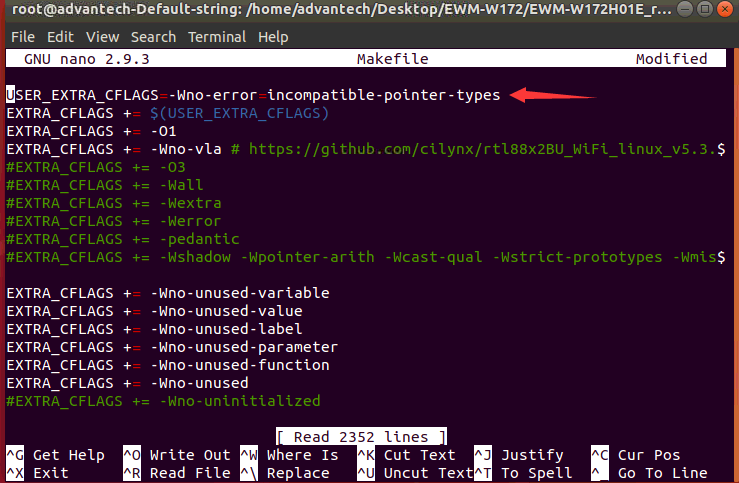


Step 6

If there is any compile error which appear during building driver as below, try to add extra CONFIG in “MakeFile”in specific directory



* add Extra Config “USER\_EXTRA\_CFLAGS=-Wno-error=incompatible-pointer-types” in the top of Makefile

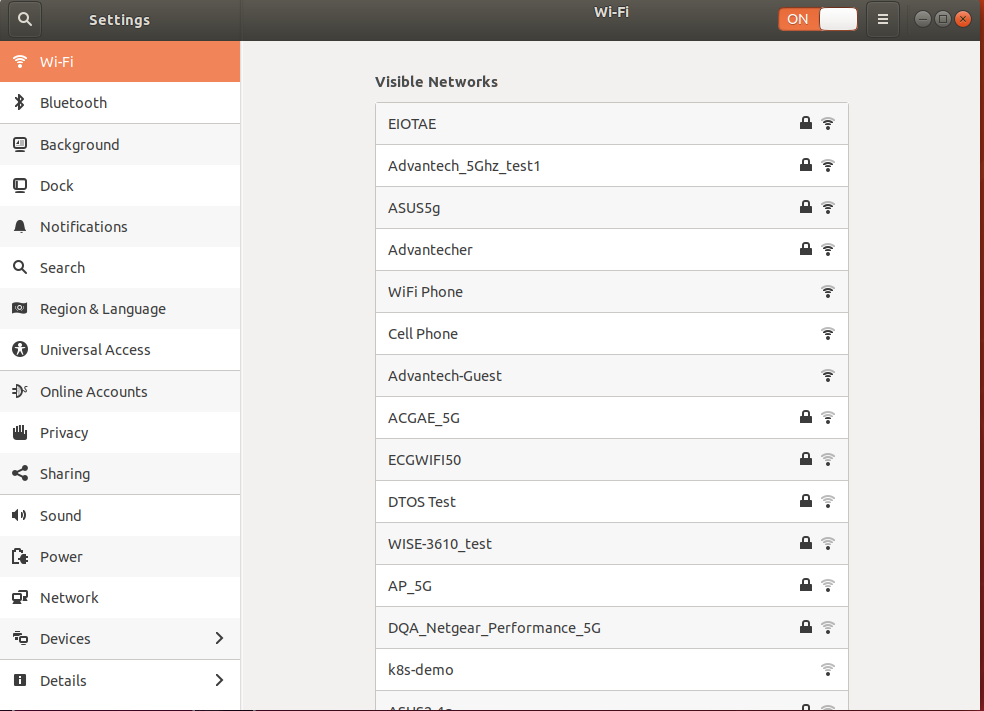


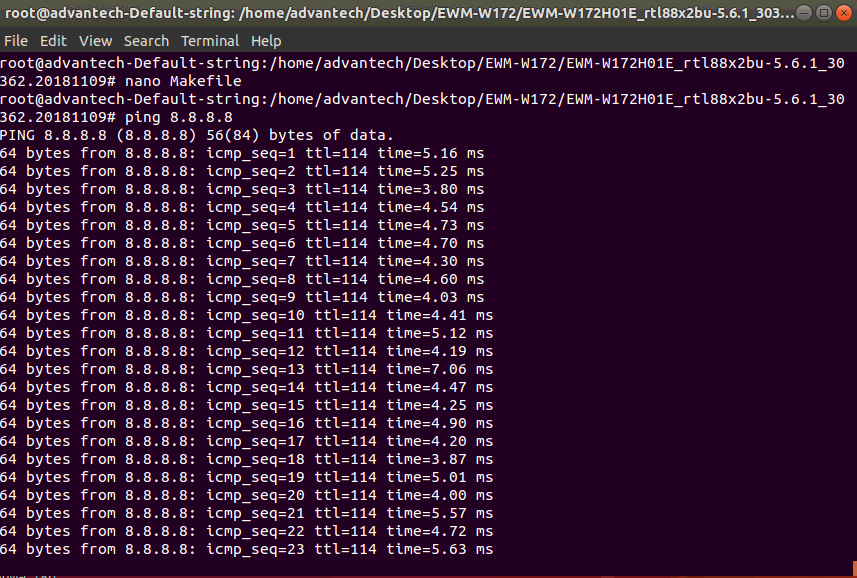
Step 7

Execute“**./build.sh**” command again on terminal and ensure the prompt of message “DKMS: install completed”

Step 8

After installing, reboot the system and you will see the wifi function is activated on wifi section

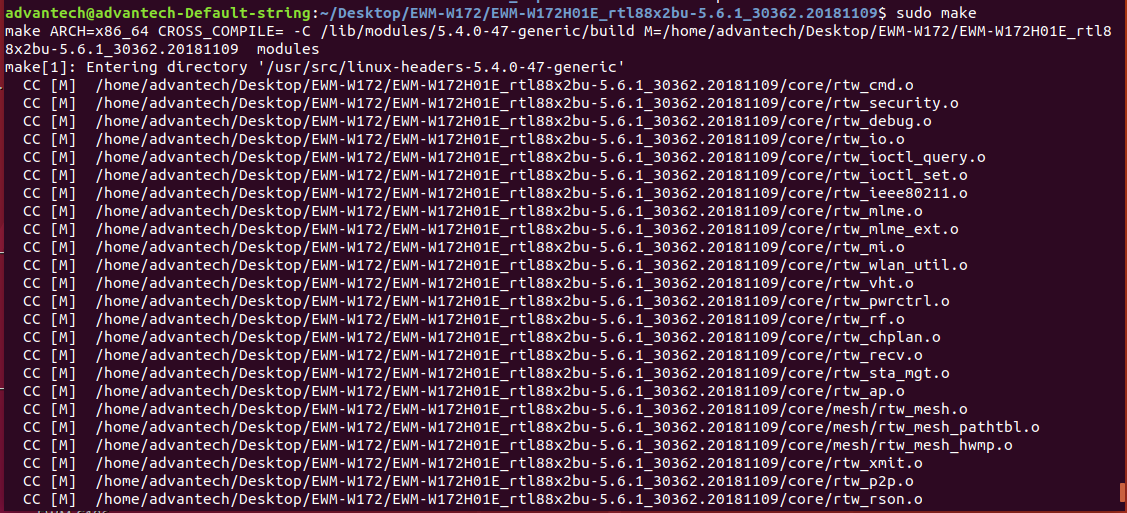




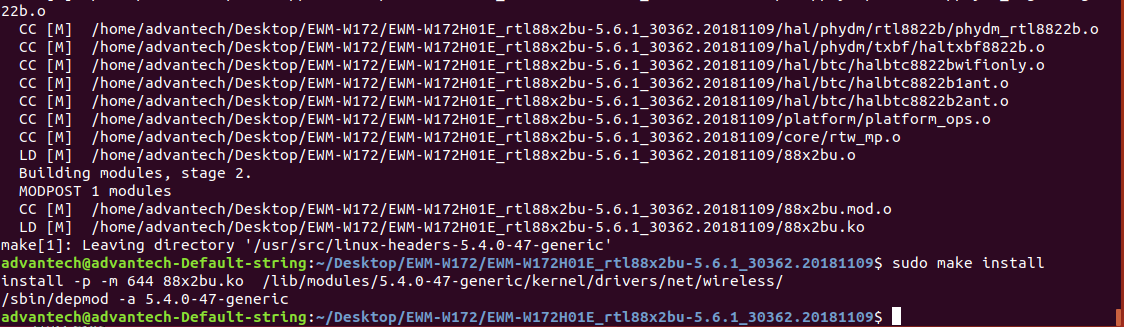
Step 9

If you would like to insert diver to activate by system when system boots up every time, please enter following instructions

* **sudo make**



* **sudo make install**

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Step 10

Finally, the wifi function will appear in network manager when system boots up

Note: For more information, please check following github’s webpage.

[**https://github.com/jeremyb31/rtl8822bu**](https://github.com/jeremyb31/rtl8822bu)