

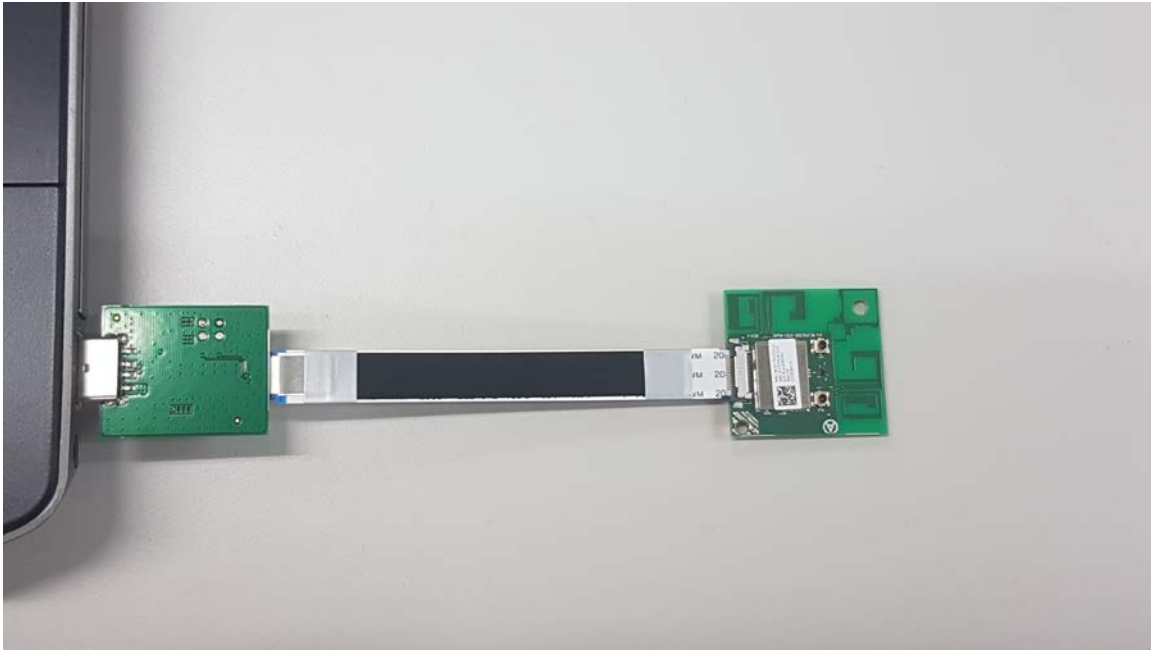
Seiko Epson Corporation

WLAN / BT Module / WLU5630B-D101(RoHS)

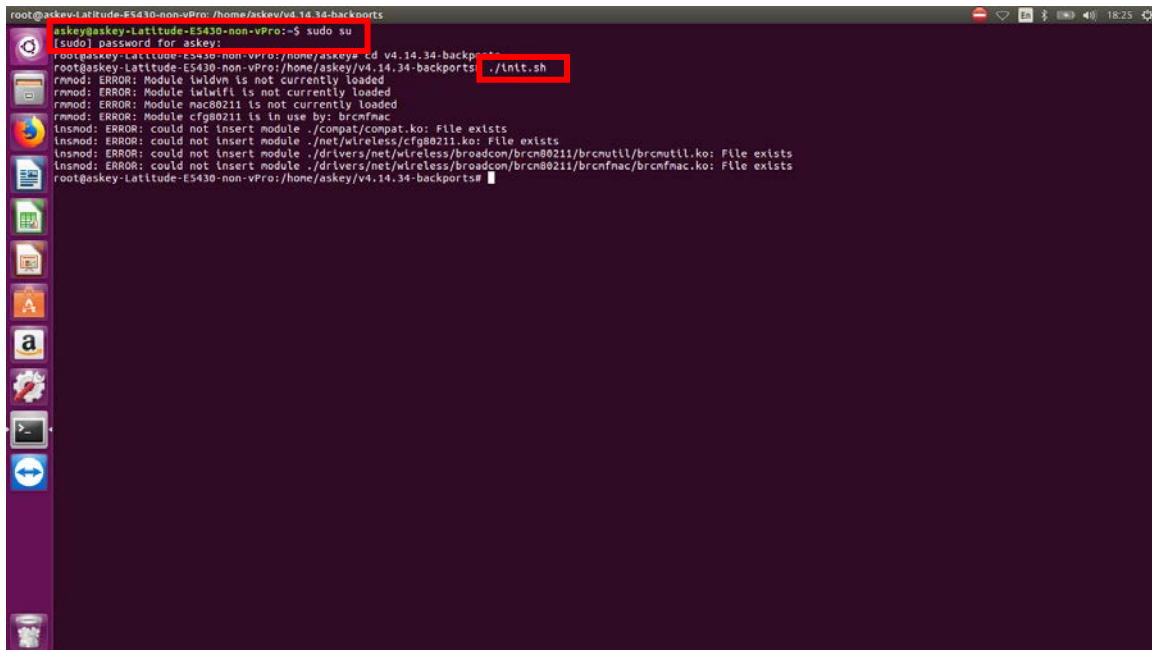
OPERATION MANUAL

Install driver

Connect WLU5630B-D101(RoHS) with cable to host device, and install drive.



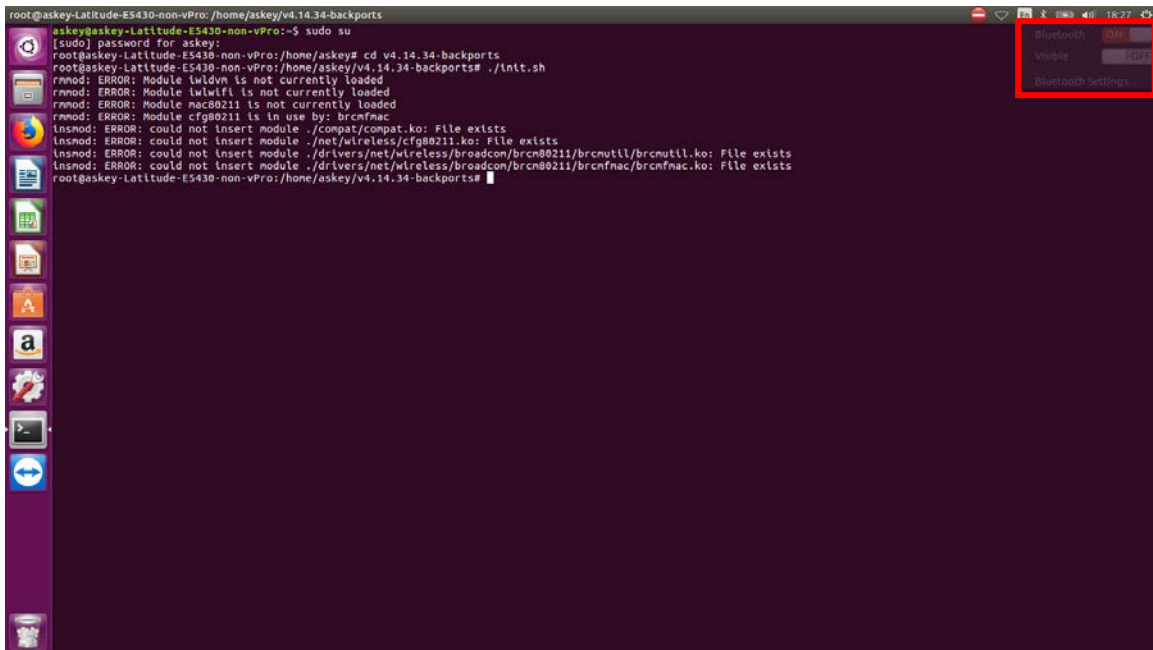
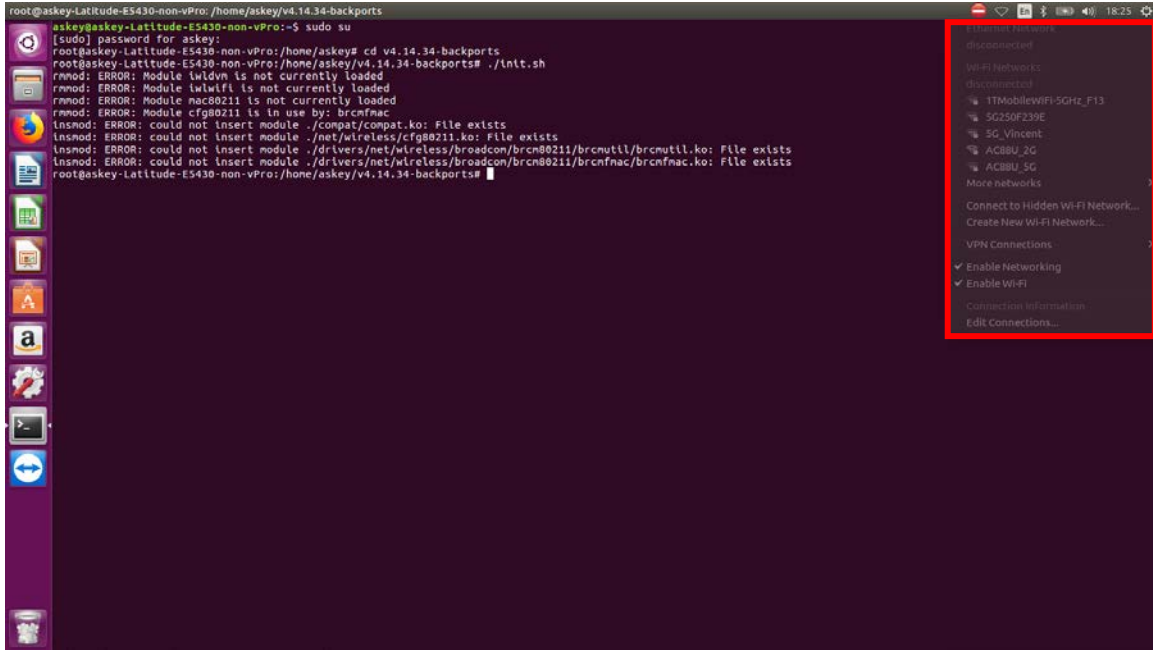
In Linux system, execute Terminal with Superuser permission (sudo su)
Permission, goto "init.sh" folder, and execute "./init.sh" to enable driver.



```
root@askey-Latitude-E5430-non-vPro: /home/askey/v4.14.34-backports
askey@askey-Latitude-E5430-non-vPro:~$ sudo su
[sudo] password for askey:
root@askey-Latitude-E5430-non-vPro: /home/askey# cd v4.14.34-backports
root@askey-Latitude-E5430-non-vPro: /home/askey/v4.14.34-backports# ./init.sh
rmmod: ERROR: Module iwldvm is not currently loaded
rmmod: ERROR: Module iwlmwifi is not currently loaded
rmmod: ERROR: Module ncb80211 is not currently loaded
rmmod: ERROR: Module cfg80211 is in use by: brcnfnac
insmod: ERROR: could not insert module ./compat/compat.ko: File exists
insmod: ERROR: could not insert module ./net/wireless/cfg80211.ko: File exists
insmod: ERROR: could not insert module ./drivers/net/wireless/broadcom/brcm80211/brcmutil/brcmutil.ko: File exists
insmod: ERROR: could not insert module ./drivers/net/wireless/broadcom/brcm80211/brcmfnac/brcmfnac.ko: File exists
root@askey-Latitude-E5430-non-vPro: /home/askey/v4.14.34-backports#
```

Access to WiFi & Bluetooth service:

Follow Host device instruction to connect/access Wireless/Bluetooth service.



Regulatory statement

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance **20cm** between the radiator & your body.

Canada/ISED Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

The transmitter module may not be co-located with any other transmitter or antenna.

Le module émetteur peut ne pas être coïmplanté avec un autre émetteur ou antenne.

The Country Code Selection feature is disabled for products marketed in the US/Canada

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

Pour les produits disponibles aux États-Unis / Canada du marché, seul le canal 1 à 11 peuvent être exploités. Sélection d'autres canaux n'est pas possible.

IC Radiation Exposure Statement:

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance **20cm** between the radiator & your body.

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20cm de distance entre la source de rayonnement et votre corps.

This module is intended for OEM integrators under the following conditions:

FCC: This module is certified pursuant to two Part 15 rules sections (15.407, 15.247).

Canada/ISED: This module is certified pursuant to RSS-247 rules sections.

This module has been approved to operate with the antenna types listed below, with the maximum permissible gain indicated.

FCC, ISED Antenna Information				
Antenna	Frequency Band	Antenna Type	Model Number	Gain (dBi)
Antenna 1	2400-2483.5MHz	Printed Antenna	WLU5630B-D101(Ro HS)	1.92
	5150-5250MHz			1.42
	5725-5850MHz			2.21
Antenna 2	2400-2483.5MHz			2.22
	5150-5250MHz			2.11
	5725-5850MHz			2.00
	2400-2483.5MHz (BT)			2.22

The OEM integrator is still responsible for

1. ensuring that the end-user has no manual instructions to remove or install module
2. the FCC/ISED compliance requirement of the end product, which integrates this module.

Information on test modes and additional testing requirements

1. This module is restricted to integration into hosts for indoor use only.
2. This module has been approved under stand-alone configuration.
3. OEM integrator has be limited the operation channels in channel 1-11 for 2.4GHz band.
4. The separate approval is required for all other operating configurations, including portable configurations with respect to Part 2.1093 and different antenna configurations
5. The information on how to configure test modes for host product evaluation for different operational conditions for a stand-alone modular transmitter in a host, versus with multiple, simultaneously transmitting modules or other transmitters in a host can be found at KDB Publication 996369 D04.

Additional testing, Part 15 Subpart B disclaimer

Appropriate measurements (e.g. 15 B compliance) and if applicable additional equipment authorizations (e.g. SDoC) of the host product to be addressed by the integrator/manufacture.

This module is only FCC authorized for the specific rule parts 15.247, 15.407 listed on the grant, and the host product manufacturer is responsible for compliance to any other FCC rules that apply to the host product as being Part 15 Subpart B compliant.

NCC Statement

1. 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。
2. 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。
3. 本模組於取得認證後將依規定於模組本體標示審驗合格標籤，並要求平台廠商於平台上標示「本產品內含射頻模組  CC XX xx LP yyy Z z」。
4. 「本公司於說明書中提供所有必要資訊以指導使用者/安裝者正確的安裝及操作」。
5. 無線資訊傳輸設備避免影響附近雷達系統之操作。

Regulatory statement (for end-product)

Label of the end product:

FCC:

The host product must be labeled in a visible area with the following "Contains FCC ID: BKMAE-WLU5630".

Canada/ISED:

The final end product must be labeled in a visible area with the following: "Contains IC: 1052D-WLU5630".

Taiwan/NCC

本模組於取得認證後將依規定於模組本體標示審驗合格標籤，並要求平台廠商於平台上標示「本產品內含射頻模組」。

CC XX xx LP yyy Z z

The user manual of the end product:

FCC:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least **20 cm** from all persons.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The antenna(s) used for this transmitter must not transmit simultaneously with any other antenna or transmitter.

Canada/ISED:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This device is intended only for OEM integrators under the following conditions:

- 1) The antenna must be installed such that **20cm** is maintained between the antenna and users, and
- 2) The transmitter module may not be co-located with any other transmitter or antenna.

Cet appareil est conçu uniquement pour les intégrateurs OEM dans les conditions suivantes: (Pour utilisation de dispositif module)

- 1) L'antenne doit être installée de telle sorte qu'une distance de **20cm** est respectée entre l'antenne et les utilisateurs, et
- 2) Le module émetteur peut ne pas être coïmplanté avec un autre émetteur ou antenne.

Taiwan/NCC

1. 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。
2. 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。
3. 無線資訊傳輸設備避免影響附近雷達系統之操作。