Quick guide

ACU is initially set up as a WIFI USB dongle. The following settings are required to use a USB LAN card.

1. Remove WIFI USB Dongle.
2. Connect USB LAN Card.
3. Ethernet connection between ACU rear port and user PC.
4. Turn on ACU power.
5. User PC IPv4 settings
   - IP Address: 192.168.1.20
   - Mask: 255.255.255.0
   (*It may depend on the ACU's IPv4 information.)
6. Check the ping from user PC to the ACU's IP address.
   (default IP address: 192.168.1.3)
7. Access ACU's Web GUI with Web browser. (ID: admin, PW: kns0351)
8. Move to 'Network Page'
9. Select the USB LAN Card from External Network Device.
10. Run 'Set' button.
11. Disconnect Ethernet connection between ACU rear port and user PC.
12. Ethernet connection between USB LAN Card and user PC.
13. User PC IPv4 settings
    - Select the 'Obtain an IP address automatically'.
    - Select the 'Obtain DNS server address automatically'.
14. Check the ping from user PC to the 192.168.42.1 address.

If it doesn't work, check the settings again, if there are no settings problems, contact the KNS support team.

And,

if the USB LAN card is not fixed during use and moves during normal operation, communication errors may occur due to poor contact.
If you continuously use the USB LAN card, it is recommended to fix it with tape.

How to use the
USB LAN Card?

SW Engineer - Wang hyunho

[1/5] Configuration

- Below items are required for installation provided along with the unit in the package.

Figure	Description
	Antenna Control Unit • KA190A • KA180M/KA180MS • KA90A/KA90B/KA90K
	Power Cable x 1
	Ethernet Cable x 1
	Wi-Fi Dongle x 1 ipTIME Wi-Fi 150Mbps or ZIO 1570NU
	USB LAN Card x 1 NX800/NX801

[2/5] Equipment change

- ACU is initially set up as a WIFI USB dongle. The following settings are required to use a USB LAN card.
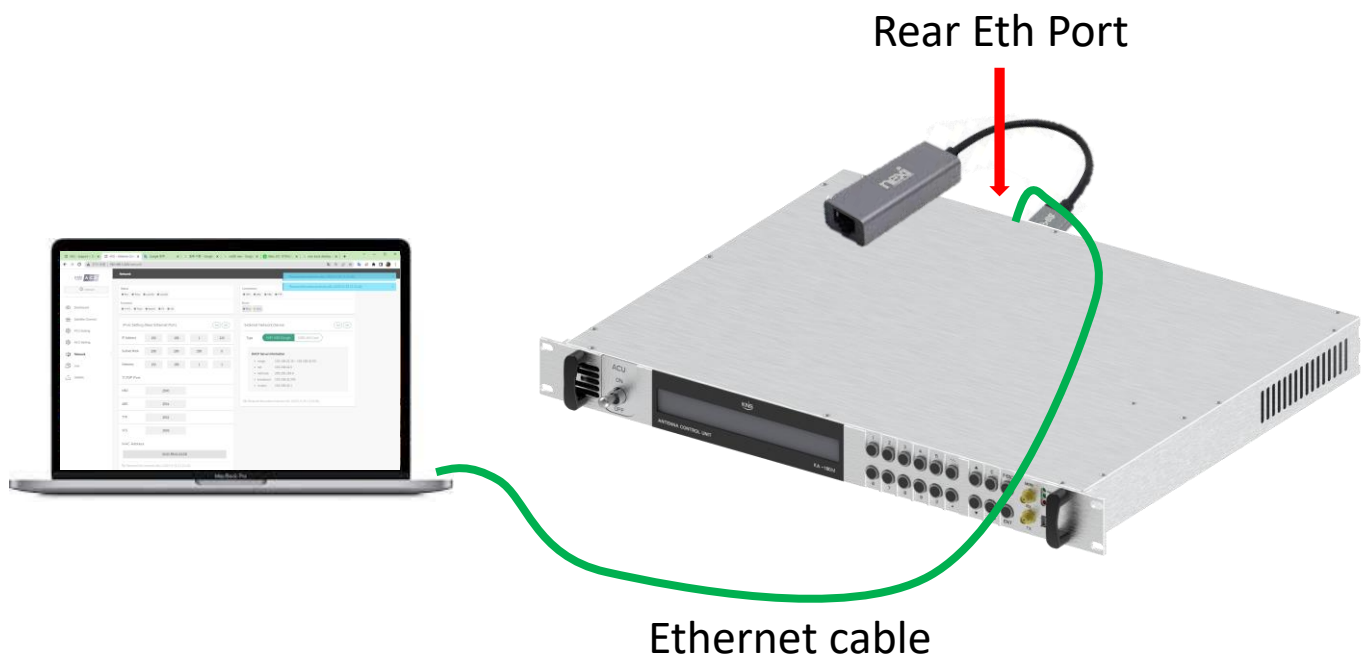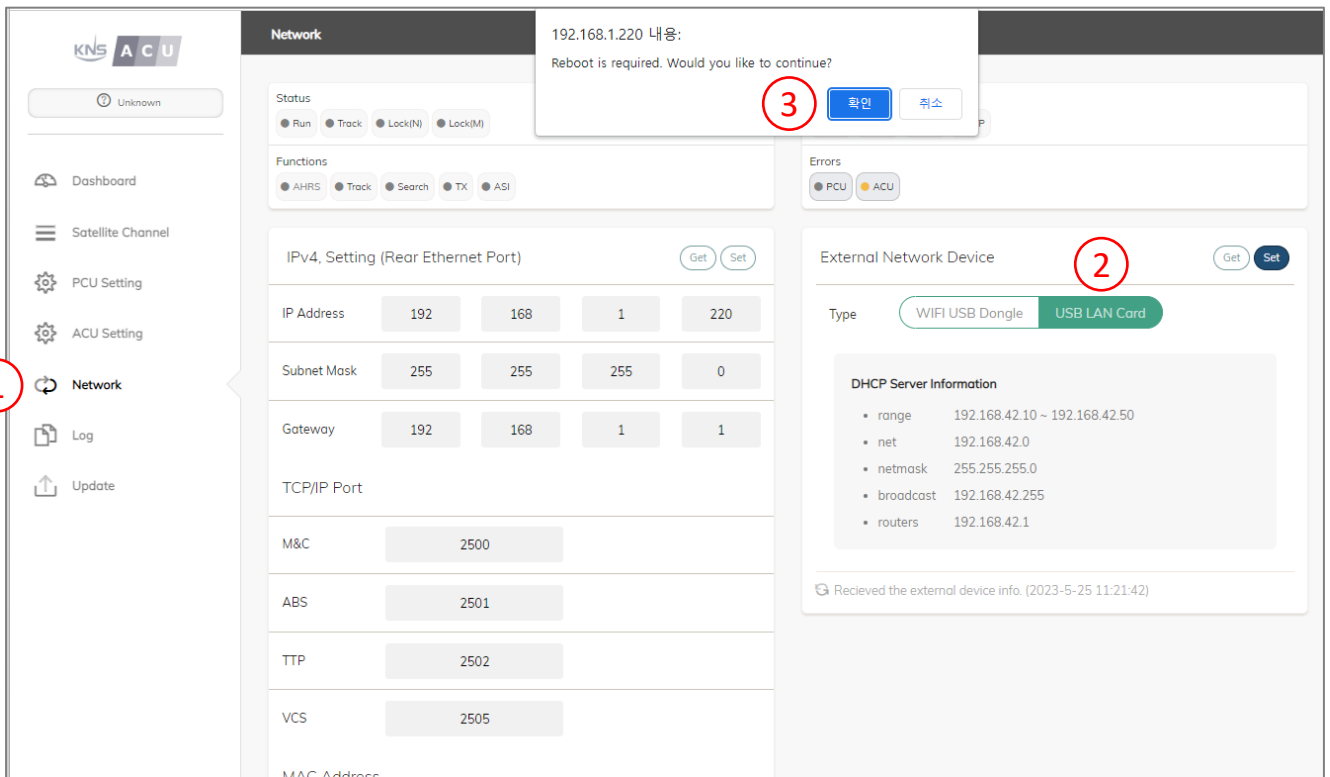

Remove

Connect

[3/5] Access the Web GUI

1. Ethernet connection between ACU rear port and user PC.
2. Turn on ACU power.
3. User PC IPv4 settings
   - IP Address: 192.168.1.20
   - Mask: 255.255.255.0

   (*It may depend on the ACU's IPv4 information.)
4. Check the ping from user PC to the ACU's IP address. (default IP address : 192.168.1.3)
5. Access ACU's Web GUI with Web browser.
   - ID: admin
   - PW: kns0351

Rear Eth Port

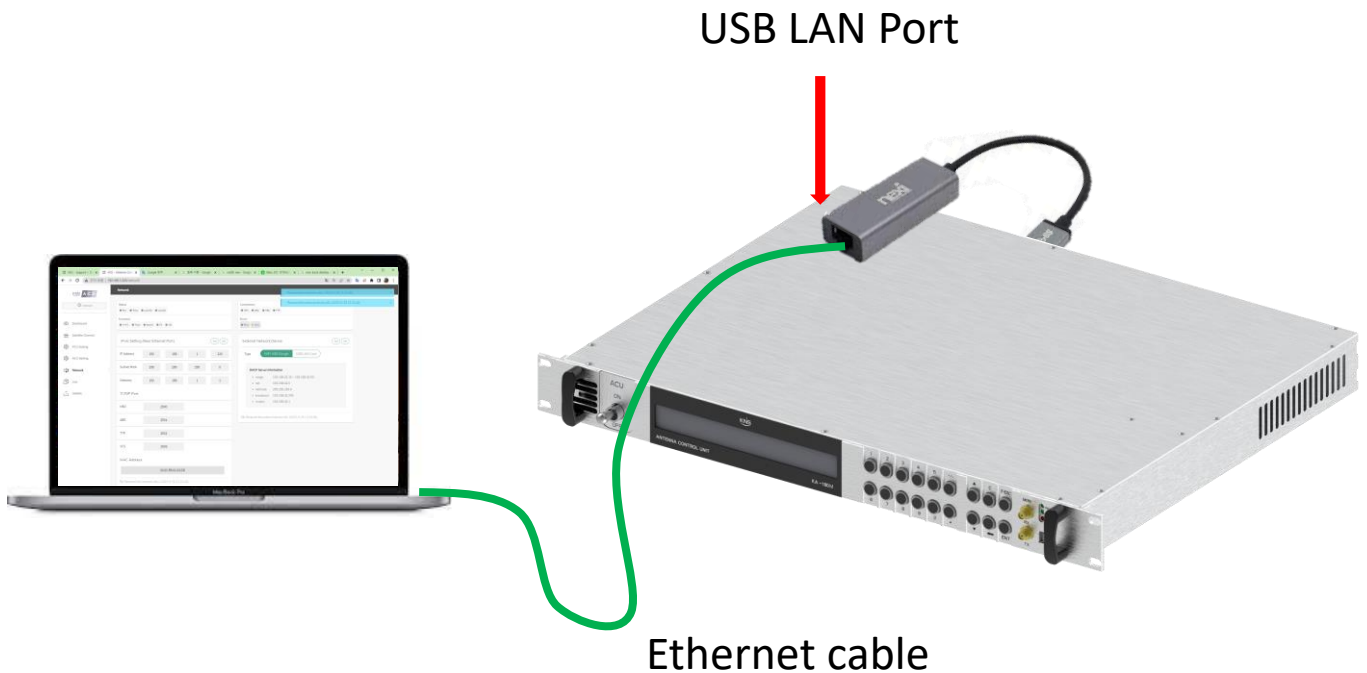Ethernet cable

[4/5] External Device Setting

1. Move to 'Network Page'
2. Select USB LAN Card from External Network Device.
3. Run 'Set' button.
   (*The ACU will automatically reboot.)

* ACU does not have plug-in functions. Therefore, peripheral devices are searched for and operated only at bootup. A reboot is required when device connectivity issues occur.

[5/5] Check Connection

1. Disconnect Ethernet connection between ACU rear port and user PC.
2. Ethernet connection between USB LAN Card and user PC.
3. User PC IPv4 settings
   - Select the 'Obtain an IP address automatically'
   - Select the ' Obtain DNS server address automatically'
4. Check the ping from user PC to the 192.168.42.1 address.

USB LAN Port

Ethernet cable

Q/A

Q: Do I need to set up to use USB LAN card?

A: Initial ACU is set to use WIFI USB dongle. The following settings
   are required to use a USB LAN card.

Q: What if ACU's IP address is not default?

A: It must be configured to connect to the currently set IP address.

   # example 1 (default IP address)

            ACU IP address : 192.168.1.3

            User PC's IP address : 192.168.1.20

   # example 2

            ACU IP address : 192.168.10.4
            User PC's IP address : 192.168.10.20

   # example 3

            ACU IP address : 220.3.192.4
            User PC's IP address : 220.3.192.20

Q: There are frequent poor contact.

A: A large movement of the ethernet cable may cause problems
   with the USB LAN card and ACU connector. If you continuously use
   the USB LAN card, it is recommended to fix it with tape