



NAP BLE Tool Quick Guide



0. Before starting...

This quick start guide will describe how to install and use the NAP BLE Tool in order to set NAP Configuration. The NAP BLE Tool app features are as follows.

- OS
 - Android 9 (Pie) Based (Android 8 for minimum requirement)
- App Requirements
 - BLE
 - Location
 - NFC (Optional)

1. Installing the app

First of all, you have to download the app using PC and USB since the app is not on the market yet.

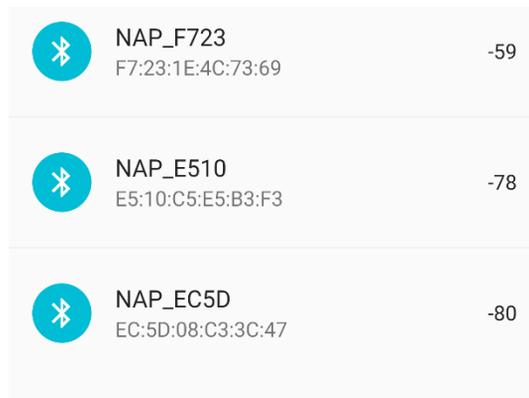
1. Download and locate the apk file (*nap_ble_tool_vx.x.x.apk*) in your smartphone.
2. Open 'My Files' and find the file you just downloaded.
3. Press the file and install the app.
4. You will see  on your phone after installation.

2. Scan & Connect BLE

1. Scan BLE by touching  icon in the upper-right of the app.

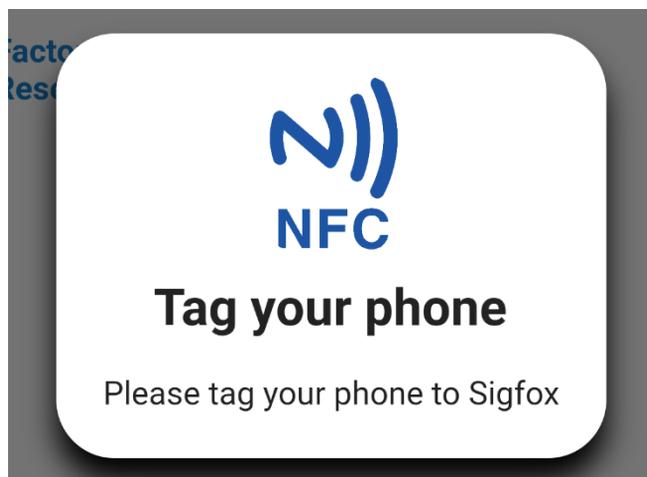


2. From the scanning results, select the device you wish to connect.



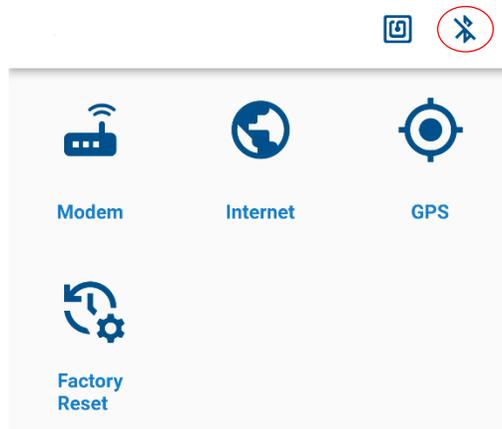
If there is no result you are looking for, press  for rescanning. If there still is no result, then you should check either your phone or NAP enables BLE or not.

2-1. Alternatively, you may use NFC mode to make BLE connection by tagging to the NAP. Press  on the left of  to enable NFC reader. Then, tag your phone to the NAP. It will automatically try to make BLE connection to it.

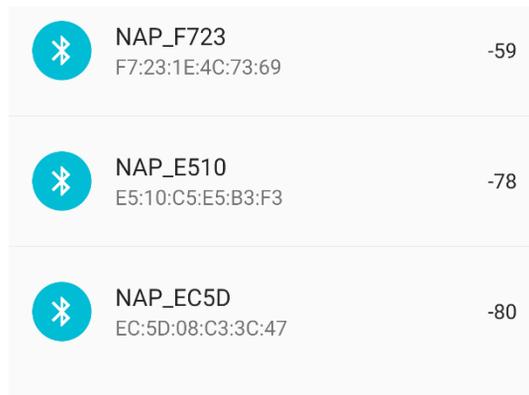


2. Scan & Connect BLE

1. Scan BLE device(NAP) by touching  icon in the upper-right of the app.

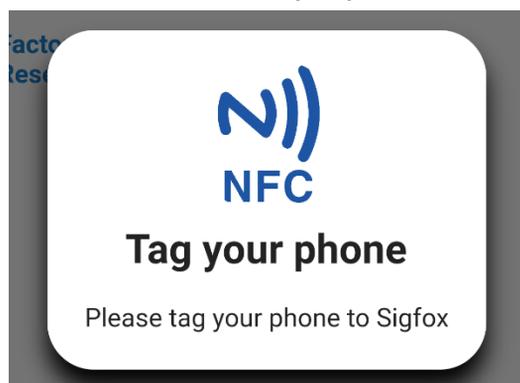


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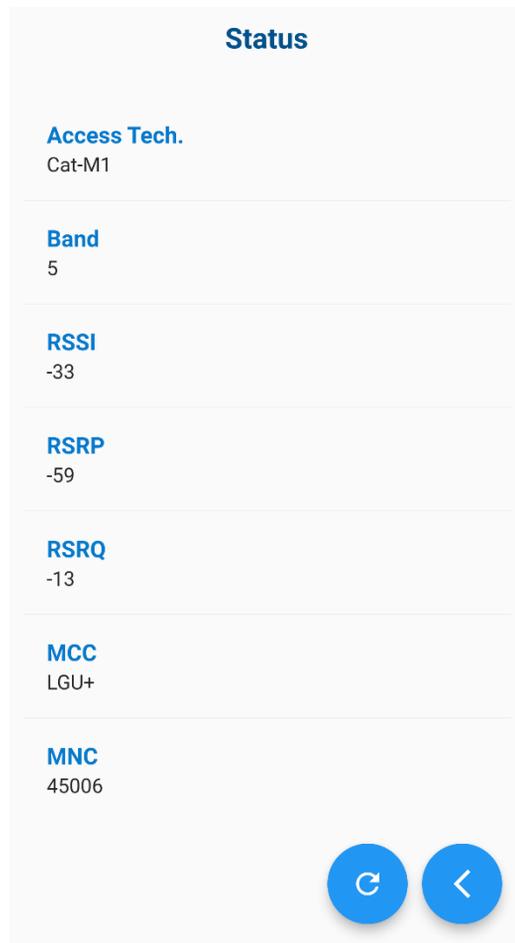


NOTE: Some smartphones do not have the NFC function, and might be unable to make connection by tagging.

3. Once the connection made, you can see  icon being changed to .

3. Functions

3.1. Modem



The Modem menu shows the modem status that equipped in the NAP. This let you know if the NAP is online or not.

The menu currently shows following items, possibly appended in the future.

- Access Technology
- Band
- RSSI, RSRP, RSRQ
- MCC
- MNC

3. Functions

3.2. Internet

3.2.1. Wide Area Network (WAN)

You can configure NAP's WAN settings through the WAN menu. There are three connection types you may choose for WAN settings.

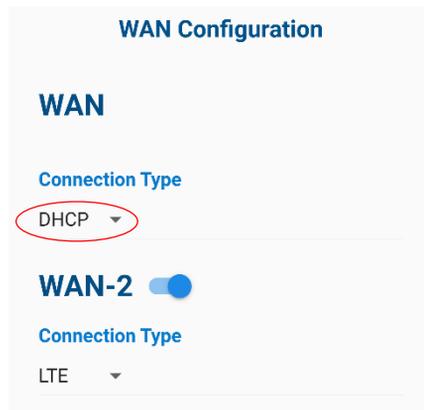
- DHCP / STATIC (Wired)
- LTE

You may also set the secondary WAN as well.

3.2.1.1 In case of using DHCP

Select 'DHCP' for connection type.

After then, press 

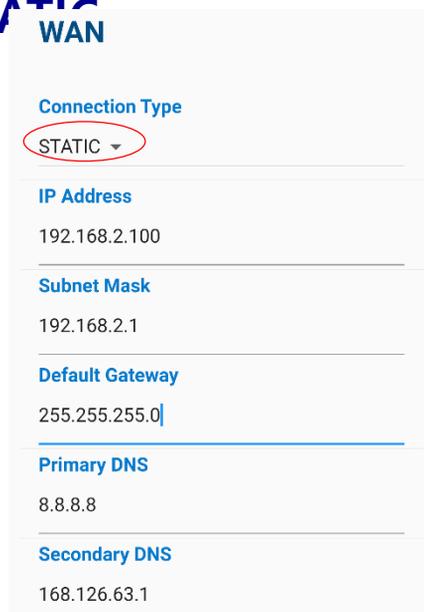


3.2.1.2 In case of using STATIC

Select 'STATIC' for connection type.

Enter following items and press 

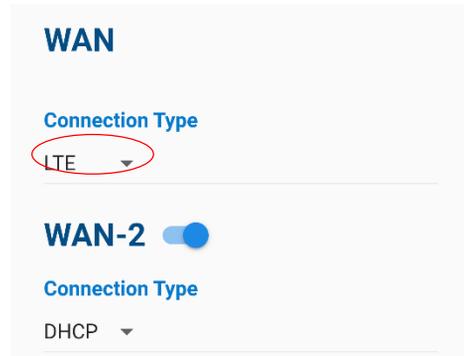
- IP Address
- Subnet Mask
- Default Gateway
- Primary DNS
- Secondary DNS



3.2.1.3 In case using LTE

Select 'LTE ' for connection type.

After then, press 



3.2.1.4 WAN-2

You may set the secondary WAN-2 as well.

Although the way to set WAN-2 is exactly the same as WAN, one of them MUST be configured as LTE. In other words, if WAN is set using LTE, WAN-2 MUST be set either STATIC or DHCP. Oppositely, if WAN-1 is set using DHCP or static, then WAN-2 MUST be set as LTE.

To enable or disable WAN-2, press : 

3.2.2 Local Area Network (LAN)

You can configure NAP's LAN settings through the LAN menu.

In case that LAN IP address and WAN IP address have the same subnet, you have to change LAN IP address and DHCP server settings.

Default LAN IP address is 192.168.1.1.

Enter new LAN IP address and DHCP Server settings.

LAN IP address and DHCP Server's Start IP Address & End IP address have to be In the same subnet

ex) IP address : 192.168.10.1

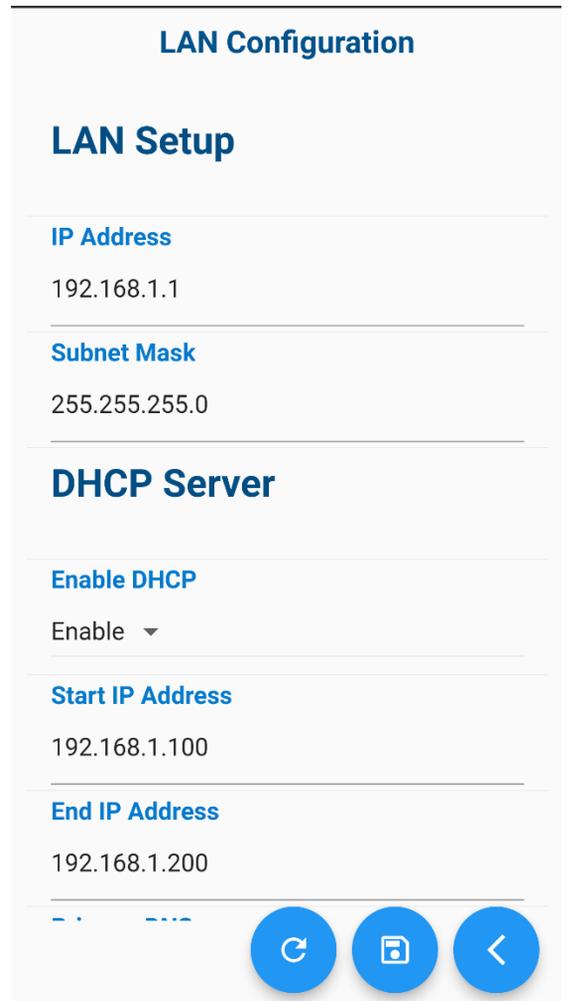
Start IP Address : 192.168.10.10

End IP Address : 192.168.10.100

Primary DNS : 8.8.8.8(google)
or other DNS address

Secondary DNS : any DNS address

Lease Time : value in seconds



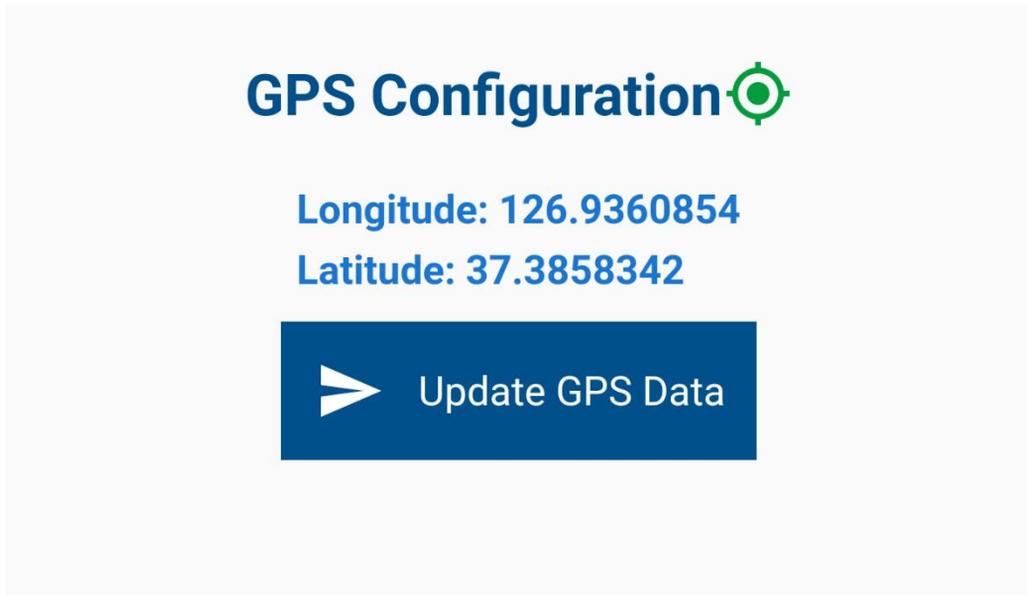
The screenshot shows a mobile application interface for LAN Configuration. At the top, the title is "LAN Configuration". Below it, the section "LAN Setup" is visible. The "IP Address" field is set to 192.168.1.1. The "Subnet Mask" field is set to 255.255.255.0. The "DHCP Server" section has "Enable DHCP" set to "Enable" with a dropdown arrow. The "Start IP Address" field is set to 192.168.1.100. The "End IP Address" field is set to 192.168.1.200. At the bottom right, there are three circular blue buttons: a refresh button (circular arrow), a save button (floppy disk), and a back button (left arrow).

3.3 GPS

You can configure NAP's current longitude and latitude through the GPS menu.

It allows you to gather GPS information from the smartphone and send it to the NAP. Upon receiving the data, the NAP sets its own GPS value based on the received data.

Press  Update GPS Data to send.



3.4 Factory Reset

You may use Factory reset menu to start resetting the NAP to factory settings.

CAUTION: This action will let the NAP reset all the configuration that has been set to factory settings, and it can't be stopped.

Press Yes to continue resetting.

