



1000i IPKTS Wi-Fi Setting Guide

May 28, 2021

Contents

- Introduction
- LCD MENU
 - Soft Buttons and Wi-Fi Status Icon
 - How to set up Wi-Fi
 - Turn-on Wi-Fi and Scan AP
 - Connect to the scanned AP
 - Connect to a saved AP
 - Connect by editing the saved AP
 - Connect by manually adding AP
 - After connecting AP, set up the network and exit the menu
 - Disconnect the connected AP
 - Delete the connected AP
 - Delete the saved AP
 - Turn-off Wi-Fi
- WEB MENU
 - Turn-on Wi-Fi
 - Scan AP
 - Connect an AP
 - Delete the AP
- Wi-Fi dongle supported in 1040i/1050i

Introduction

The 1000i supports a USB port so you can connect to a wireless network using a Wi-Fi dongle and provides LCD or Web menu for Wi-Fi setting.

In the LCD menu, setting is possible even if there is only an AP that can be connected.

All network and server settings, except those related to Wi-Fi connection [“11. Wi-Fi Settings”], use the wired settings as they are.

Supported models and available Wi-Fi dongles are as follows.

- Supported models and S/W versions
 - 1040i and 1050i
 - Version Rls1.2.0 or later
- Compatibility Lists
 - TP-LINK Archer T3U
(AC1300 Mini Wireless MU-MIMO USB Adapter, Ver:1.0)
 - TP-LINK Archer T4U
(AC1300 Wireless Dual Band USB Adapter, Ver:3.0)
 - D-Link DWA-182
(Wireless AC1300 MU-MIMO Wi-Fi USB Adapter, Revision D)

Wi-Fi dongle supported in 1040i/1050i

- TP-LINK Archer T3U
AC1300 Mini Wireless MU-MIMO USB Adapter, Ver:1.0
- TP-LINK Archer T4U
AC1300 Wireless Dual Band USB Adapter, Ver:3.0



- D-Link DWA-182
Wireless AC1300 MU-MIMO Wi-Fi USB Adapter, Revision D



1000i IPKTS LCD Menu

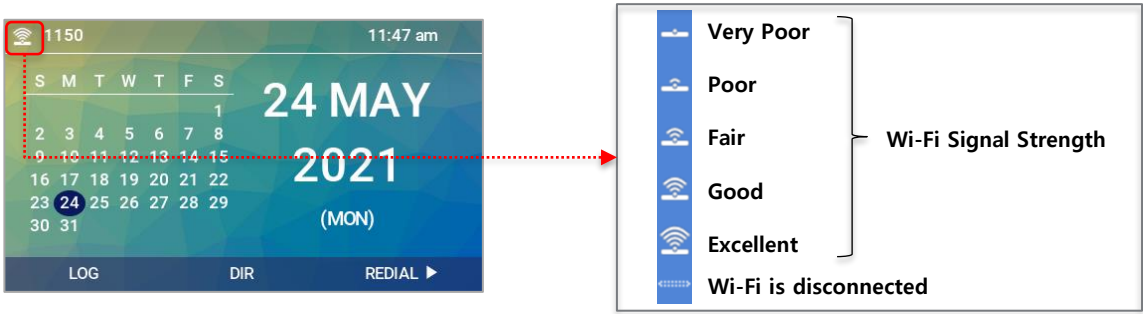
Soft Buttons and Wi-Fi Status Icon

[LCD]

The button functions used in the Wi-Fi setup menu

Buttons	Functions
BACK	Return to the previous menu.
ON	Turn on the Wi-Fi
OFF	Turn off the Wi-Fi
CONNECT	Attempt to connect to the selected AP.
EDIT	Change the information of the selected AP and connect.
DISCONNECT	Disconnect from the connected AP, but data is retained.
DELETE	Disconnect from the connected AP and erase all data.
SEARCH	Search for AP again.
2.4G	Re-search only 2.4G APs
5G	Re-search only 5G APs
2.4G / 5G	Re-search for both 2.4G and 5G APs
ADD	Add AP manually.
◀ or ▶	Means there is an additional Soft menu, use the Left/Right navigation buttons.
NAVI or VOL Up/Down	It is used to move to the desired AP on the AP list screen.
TRANS button	It is used as a soft key MODE in the input screen.

Wi-Fi Status Icon



How to set up Wi-Fi

[LCD]

The Wi-Fi setting menu is only displayed when the Wi-Fi dongle is installed, so you must first plug the dongle into the USB port on the back of the phone.

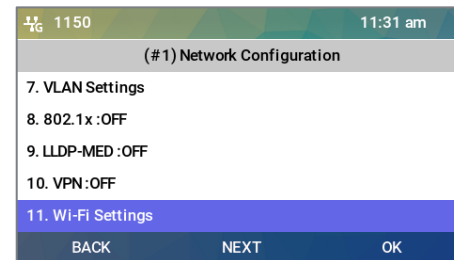
Procedure for setup :

- Step 0. Connect Wi-Fi USB dongle
- Step 1. Turn-on Wi-Fi
- Step 2. Search & Connect AP
- Step 3. Configure Network
- Step 4. Reboot the phone

How to enter the Wi-Fi Settings menu

1. Enter the “Network Settings” Menu
2. Select the “1. Profile” Menu
3. Select the profile you want to set.
4. Select the “1. Network Configuration”
5. Select the “11.Wi-Fi Settings”

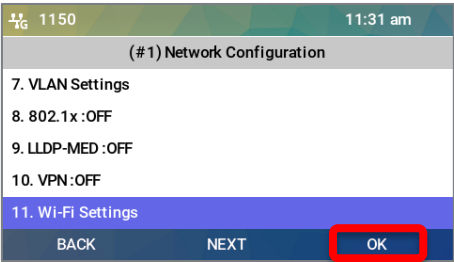
11. Wi-Fi Settings



Turn-on Wi-Fi and Scan AP

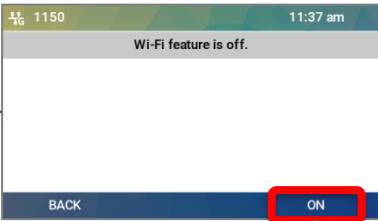
[LCD]

1. Select “11. Wi-Fi Settings” from the Network Settings – Profile – Network Configuration



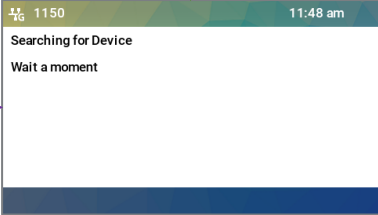
When Wi-Fi is off

2-1 Turn-on Wi-Fi if it is off



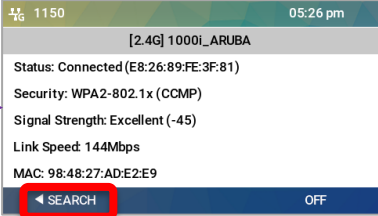
When Wi-Fi is already on

2-2 Searching AP



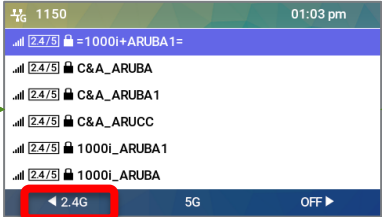
When Wi-Fi is connected

2-3 View current connected AP



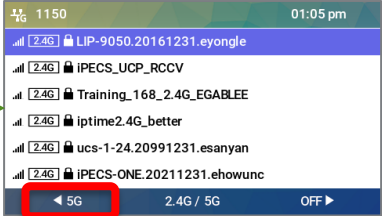
Searching AP...

Scan 2.4G / 5G both



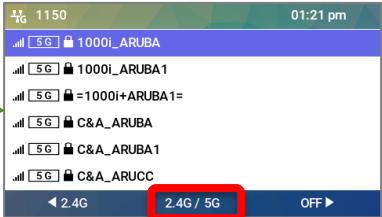
Searching AP...

Scan 2.4G only



Searching AP...

Scan 5G only



Searching AP...

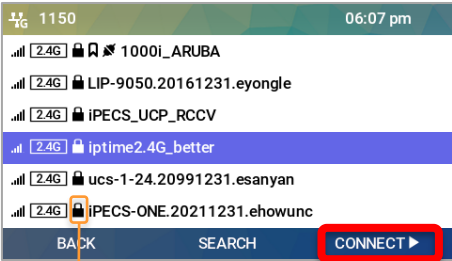
Icons

- Very Poor
- Poor
- Fair
- Good
- Excellent
- [2.4G] 2.4G only
- [5G] 5G only
- [2.4/5] 2.4G/5G both
- Secured AP
- Saved AP
- Connected AP

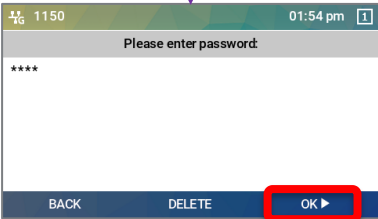
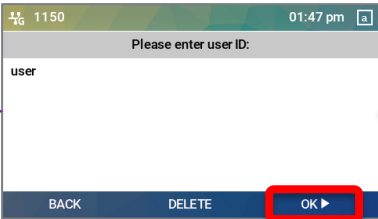
Connect to the scanned AP

[LCD]

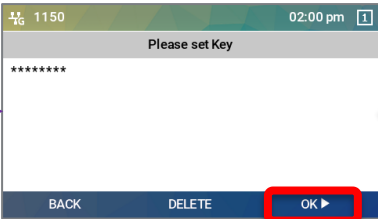
1. Move to the desired AP and press "CONNECT"



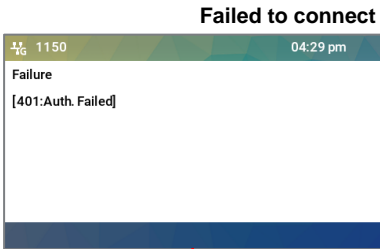
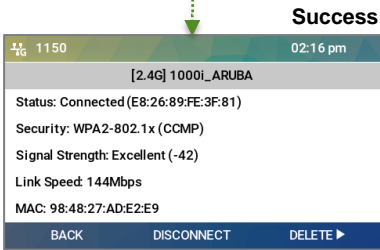
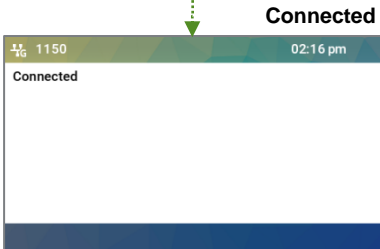
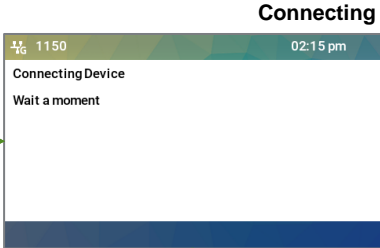
2-1. Enter ID & Password



2-2. Enter key



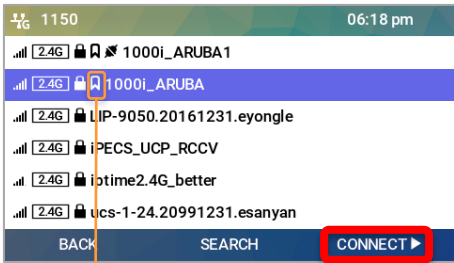
To change the input mode, press the soft key "MODE" or "TRANS" button.



Connect to a saved AP

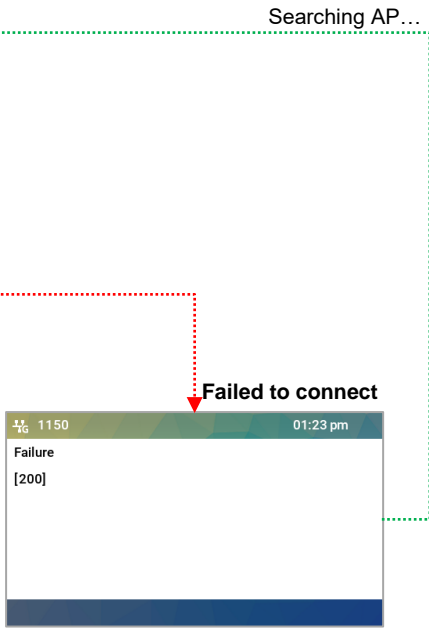
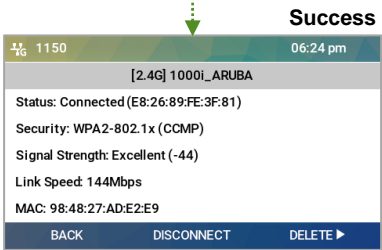
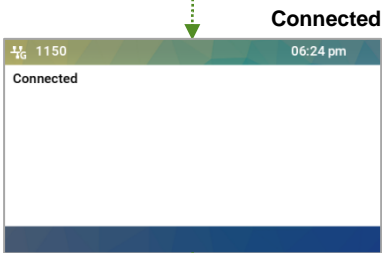
[LCD]

1. Move to the desired saved AP and press “CONNECT”



[A] means saved AP

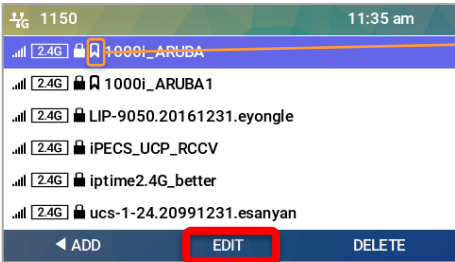
For APs that have already been saved, attempt to connect without ID & Password.



Connect by editing the saved AP

[LCD]

1. Move to the desired saved AP and press "EDIT"

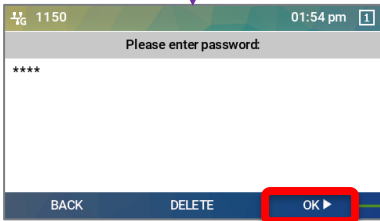
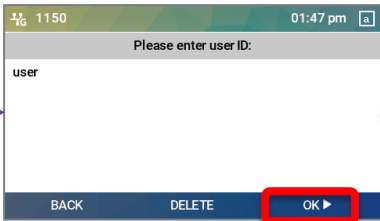


means saved AP

If the information of saved AP has been changed, you can edit and reconnect from the EDIT menu.

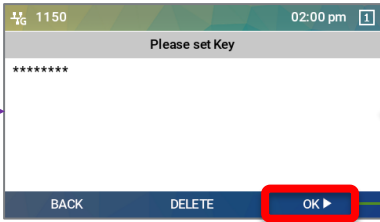
Auth. Type :
WPA-Enterprise

2-1. Enter ID & Password

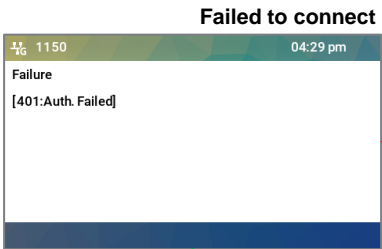
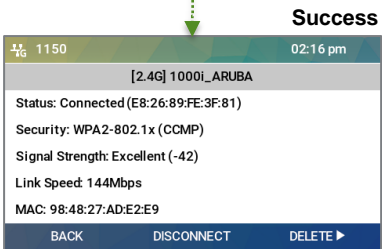
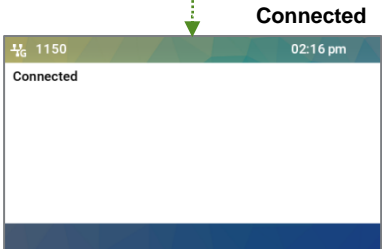


Auth. Type :
WPA-Personal

2-2. Enter key



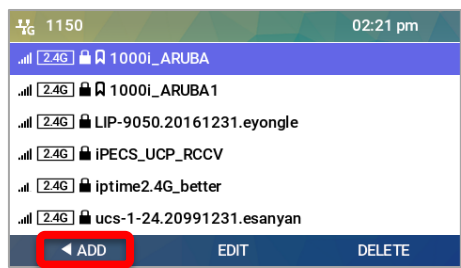
To change the input mode, press the soft key "MODE" or "TRANS" button.



Connect by manually adding AP

[LCD]

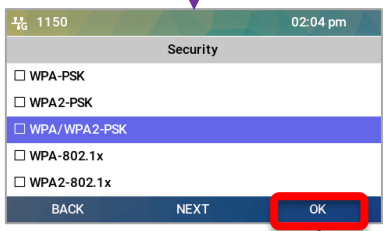
1. Press “ADD” on the AP list screen



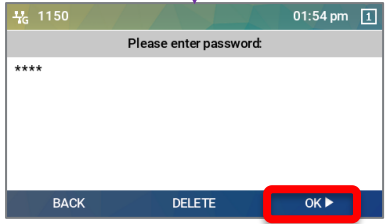
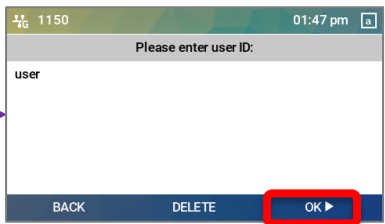
2. Enter SSID



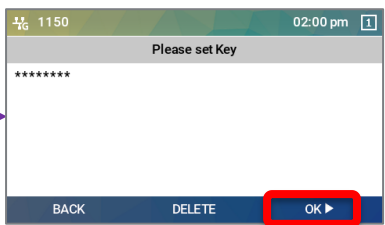
3. Select auth. type



4-1. Enter ID & Password



4-2. Enter key



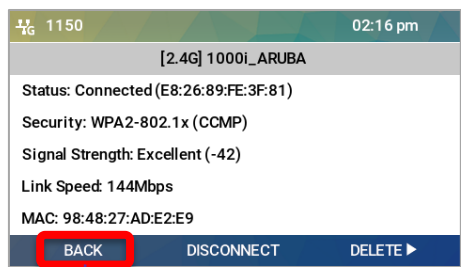
Auth. Type :
WPA-Enterprise

Auth. Type :
WPA-Personal

To change the input mode,
press the soft key "MODE" or "TRANS" button.

After connecting AP, set up the network and exit the menu[LCD]

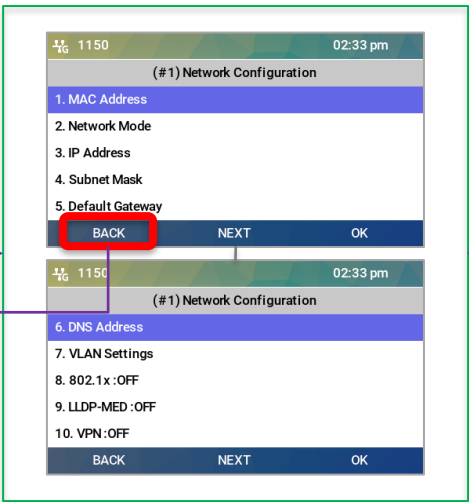
1. Press "BACK" for other network settings.



☞ You can set up your network and server before setting up the Wi-Fi.
If the Network, Server or Wi-Fi settings are changed, you must reboot.

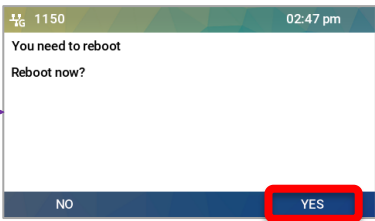
☞ Even if the Wi-Fi is turned on and connected to the wireless AP, the wired connection is maintained before rebooting.

2.1 Network Configuration



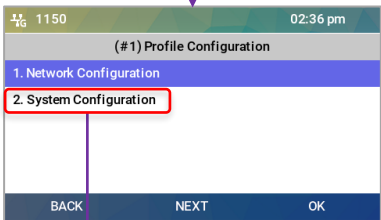
3. To exit the menu or to finish settings, press 'Speaker' button.

☞ If you press the Speaker button in all menus, the following screen is displayed.

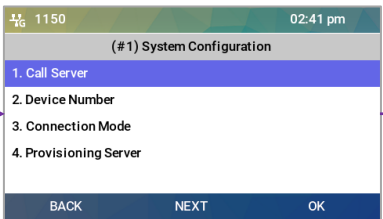


- 1) Press 'YES':
The phone will reboot to apply the changes.
- 2) Press 'NO':
The phone saves the changes, but exits the menu without applying.

☞ Even if Wi-Fi is connected, you must reboot to operate wirelessly.



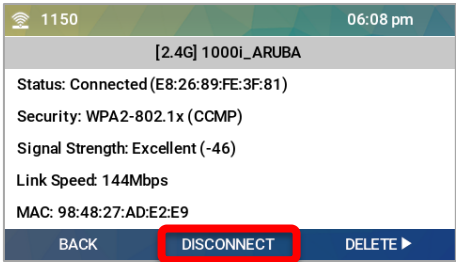
2.2 System Configuration



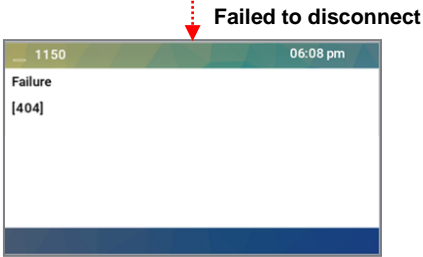
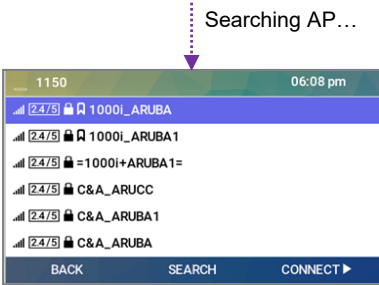
Disconnect the connected AP

[LCD]

1. Press “DISCONNECT” in the connected AP Information.



- ☞ All data of the disconnected AP is maintained as the saved AP.
- ☞ If you perform 'DISCONNECT' in the wireless connection state, the network is disconnected, so be careful.

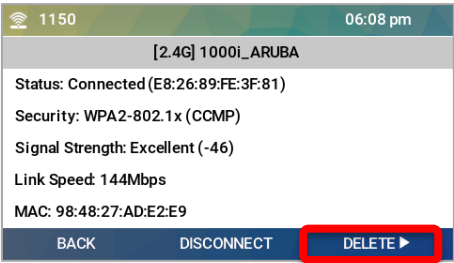


Delete the connected AP

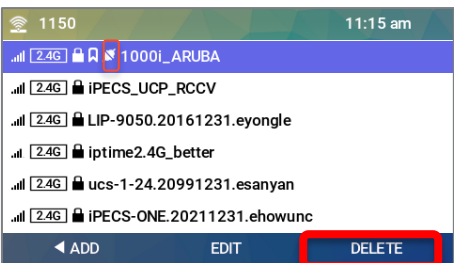
[LCD]

1. Press “DELETE”

On the connection information screen :

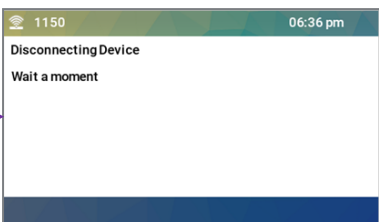


On the search results screen :

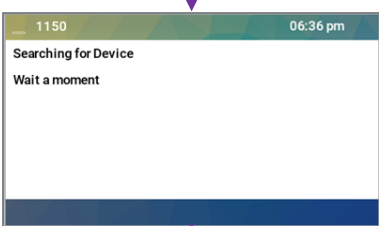


- ☞ All data of the deleted AP will be erased.
- ☞ If you perform 'DELETE' in the wireless connection state, the network is disconnected, so be careful.
- ☞ In order to operate as a wired network after deletion, you must reboot.

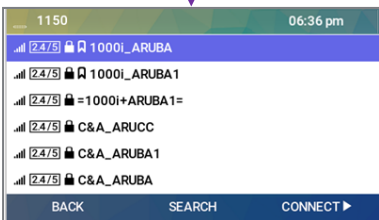
Disconnecting



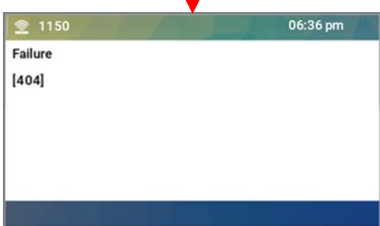
Disconnected



Searching AP...



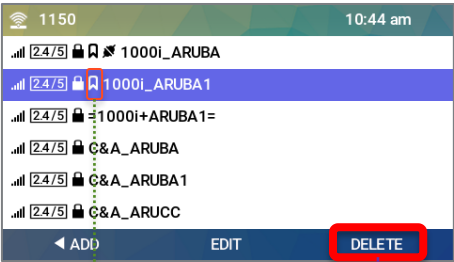
Failed to disconnect



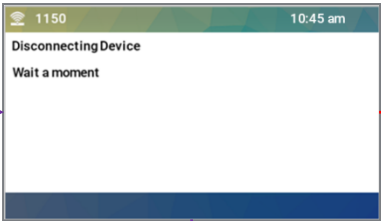
Delete the saved AP

[LCD]

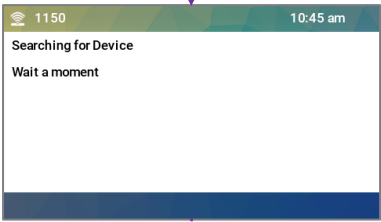
1. Move to the desired AP and press “DELETE”.



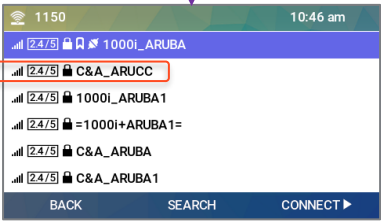
Disconnecting



Disconnected

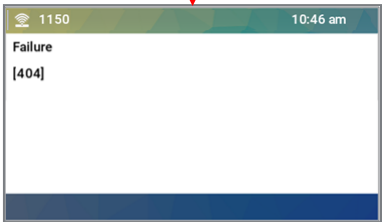


Searching AP...



After deletion, the Saved Icon (P) disappears.

Failed to disconnect

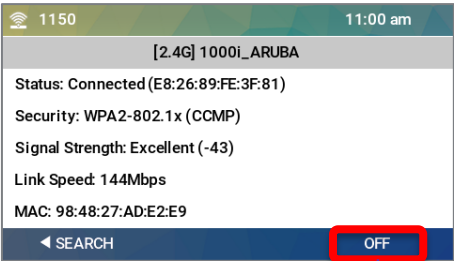


Turn-off Wi-Fi

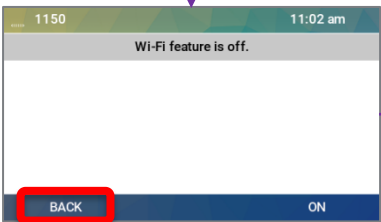
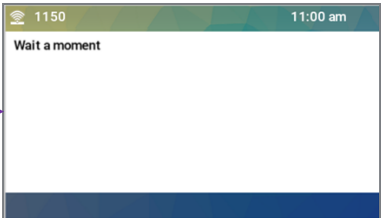
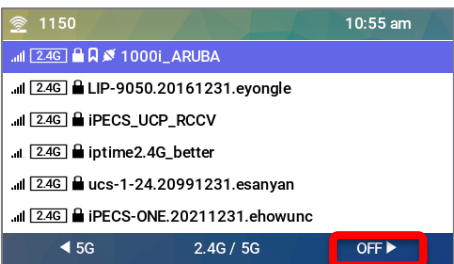
[LCD]

1. Press "OFF"

On the connection information screen :



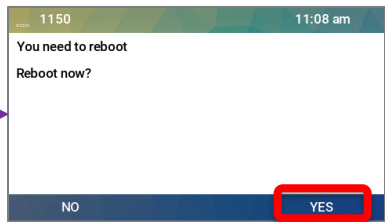
On the search results screen :



Since it operates by wired after rebooting, you can change the network settings from the previous menu by pressing "BACK" if necessary.

2. To exit the menu or to finish settings, press 'Speaker' button.

If you press the Speaker button in all menus, the following screen is displayed.



- 1) Press 'YES' :
The phone will reboot to apply the changes.
- 2) Press 'NO' :
The phone saves the changes, but exits the menu without applying.

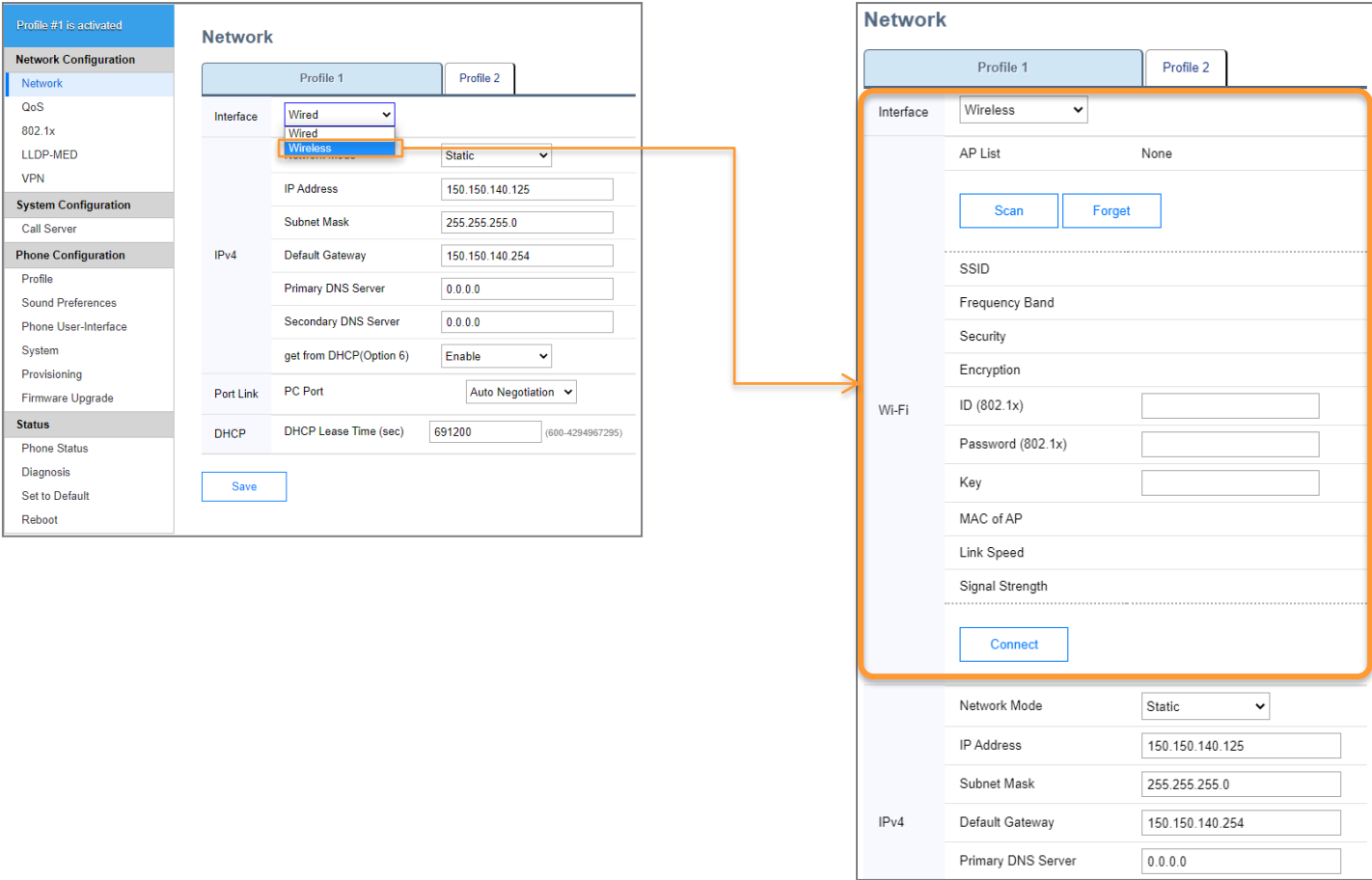
Even if the wired network is connected after wireless off, the wired does not work before rebooting.

1000i IPKTS Web menu

Turn-on Wi-Fi

[WEB]

To turn on the Wi-Fi, connect to the web manager and select “Wireless” as the Interface in the Network menu of the Network configuration. If you select “Wireless”, a menu for searching and setting wireless APs is displayed as shown below, and if you select “Wired”, this menu disappears.



Scan AP

[WEB]

Click "Scan" to search for connectable APs, and after completion, you can check the list in the AP List.

1. Click "Scan"

Profile 1 Profile 2

Interface: Wireless

AP List: None

Scan Forget

Wi-Fi

SSID

Frequency Band

Security

Encryption

ID (802.1x)

Password (802.1x)

Key

MAC of AP

Link Speed

Signal Strength

Connect

Searching AP...

Profile 1 Profile 2

Interface: Wireless

Searching... Please wait a moment.

AP List: 1000i_ARUBA (2.4G) :connected

Scan Forget

2. Search Complete Screen

Profile 1 Profile 2

Interface: Wireless

AP List: 1000i_ARUBA (2.4G) :saved

Scan Forget

Wi-Fi

SSID: 1000i_ARUBA

Frequency Band: 2.4GHz

Security: WPA2-802.1xEAP_PEAP

Encryption: CCMP

ID (802.1x)

Password (802.1x)

Key

MAC of AP: E8:26:89:FE:3F:81

Link Speed

Signal Strength: Excellent (-36)

Connect

3. Searched AP Lists

Profile 1 Profile 2

Interface: Wireless

AP List: 1000i_ARUBA (2.4G) :saved

Scan Forget

Wi-Fi

SSID: 1000i_ARUBA

Frequency Band: 2.4GHz

Security: WPA2-802.1xEAP_PEAP

Encryption: CCMP

ID (802.1x)

Password (802.1x)

Key

MAC of AP: E8:26:89:FE:3F:81

Link Speed

Signal Strength: Excellent (-36)

Connect

The AP displayed in the list box is the status

1000i_ARUBA (2.4G) :connected	connected AP
1000i_ARUBA (5G) :saved	saved AP
1000i_ARUBA1 (5G)	new searched AP

Connect to AP

[WEB]

If you select the AP you want to connect to from the searched AP list, the authentication screen appears as shown below.

- Connecting to a saved AP

Profile 1 | Profile 2

Interface: Wireless

AP List: 1000i_ARUBA (2.4G) saved

Buttons: Scan, Forget

Wi-Fi Details:

- SSID: 1000i_ARUBA
- Frequency Band: 2.4GHz
- Security: WPA2-802.1xEAP_PEAP
- Encryption: CCMP
- ID (802.1x): [Masked]
- Password (802.1x): [Masked]
- Key: [Masked]
- MAC of AP: E8 26 89 FE 3F 81
- Link Speed: [Blank]
- Signal Strength: Excellent (-36)

Connect

- The stored AP information is applied, and if you click "Connect", the connection will proceed.
- If necessary, you can modify the previous information before clicking "Connect".
- For APs that are both (2.4G/5G using the same SSID), when one is connected, the other is added as "saved".

- Connecting to a new AP

Profile 1 | Profile 2

Interface: Wireless

AP List: 1000i_ARUBA1 (2.4G)

Buttons: Scan, Forget

Wi-Fi Details:

- SSID: 1000i_ARUBA1
- Frequency Band: 2.4GHz
- Security: WPA2-PSK
- Encryption: CCMP
- ID (802.1x): [Masked]
- Password (802.1x): [Masked]
- Key: [Masked]
- MAC of AP: E8 26 89 FE 3F 80
- Link Speed: [Blank]
- Signal Strength: Excellent (-48)

Connect

- For newly discovered APs, enter the required information for authentication and click "Connect".
- Depending on the AP's authentication method, a window where you can enter ID/Password or KEY is activated.
- Authentication method
 - WPA-Enterprise : Use the ID and Password
 - WPA-Personal : Use KEY only.

"Connection success"

Profile 1 | Profile 2

Interface: Wireless

Connected AP: 1000i_ARUBA (2.4G)

Buttons: Scan, Forget

Wi-Fi Details:

- SSID: 1000i_ARUBA
- Frequency Band: 2.4GHz
- Security: WPA2-802.1xEAP_PEAP
- Encryption: CCMP
- ID (802.1x): [Masked]
- Password (802.1x): [Masked]
- Key: [Masked]
- MAC of AP: E8 26 89 FE 3F 81
- Link Speed: 144Mbps
- Signal Strength: Excellent (-40)

Connect

When the connection is complete, the input window and the Connect icon are deactivated.

After connecting AP, set up the network and exit [WEB]

After connecting the AP, press “Save” after completing the network setup, and a reboot confirmation window will appear.

Profile 1

Profile 2

Interface

Wireless

Connected AP

1000I_ARUBA (2.4G)

Scan

Forget

SSID

1000I_ARUBA

Frequency Band

2.4GHz

Security

WPA2-802.1xEAP_PEAP

Encryption

CCMP

Wi-Fi

ID (802.1x)

Password (802.1x)

Key

MAC of AP

E8:26:89:FE:3F:81

Link Speed

144Mbps

Signal Strength

Poor (-82)

Connect

Network Mode

Static

IPv4

IP Address

10.10.10.10

Subnet Mask

255.255.255.0

Default Gateway

10.10.10.254

Primary DNS Server

0.0.0.0

Secondary DNS Server

0.0.0.0

get from DHCP(Option 6)

Enable

Port Link

PC Port

Auto Negotiation

DHCP

DHCP Lease Time (sec)

691200

(600-4294967295)

Save

For network setting, use the same setting value for wired and wireless.

Network Configuration has been changed.
You must **Reboot** the phone to apply modified value(s).
Restart now?

Reboot

Cancel

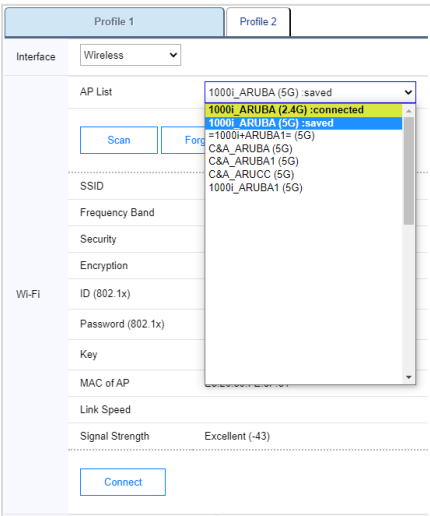
- You can set up your network and server before setting up the Wi-Fi. If the Network, Server or Wi-Fi settings are changed, you must reboot.
- Even if the Wi-Fi is turned on and connected to the wireless AP, the wired connection is maintained before rebooting.

Delete the saved AP

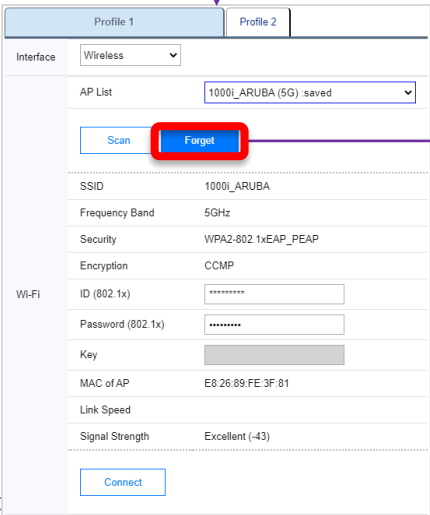
[WEB]

You can delete the “saved” AP by selecting it from the AP List.

1. Select the AP you want to delete from the AP list and click “Forget”.



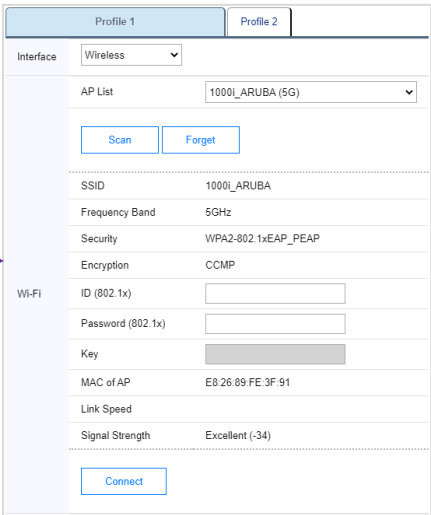
This screenshot shows the 'AP List' dropdown menu in the 'Profile 1' configuration window. The menu is open, displaying a list of available APs. The AP '1000I_ARUBA (2.4G) :connected' is highlighted in blue. Below the list, there are 'Scan' and 'Forget' buttons. The 'Forget' button is highlighted with a red rectangle.



This screenshot shows the 'Profile 1' configuration window after the AP has been selected. The 'AP List' dropdown now shows '1000I_ARUBA (5G) :saved'. The 'Forget' button is highlighted with a red rectangle. A purple arrow points from the 'Forget' button in this screenshot to the 'Searching AP...' text.

“Forgetting success”

2. When the deletion is complete, the result is displayed as shown below. After deletion, the re-searched results are shown in the list.



This screenshot shows the 'Profile 1' configuration window after the AP has been deleted. The 'AP List' dropdown now shows '1000I_ARUBA (5G)'. The 'Scan' and 'Forget' buttons are visible. The 'Wi-Fi' section shows the following details: SSID: 1000I_ARUBA, Frequency Band: 5GHz, Security: WPA2-802.1xEAP_PEAP, Encryption: CCMP, ID (802.1x): [empty], Password (802.1x): [empty], Key: [empty], MAC of AP: E8.26.89.FE.3F.91, Link Speed: [empty], and Signal Strength: Excellent (-34). A 'Connect' button is at the bottom.

Searching AP...

iPECS

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