

IPECS is an Ericsson-LG Brand



1000i IPKTS Wi-Fi Setting Guide

Nov 02, 2021

Revision History

ISSUE	DATE	DESCRIPTION OF CHANGES
1.0	May 23, 2021	Initial Release
1.1	Nov. 02, 2021	Added "Phone Entering Text " Added "How to enter the Wi-Fi Settings Menu"

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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

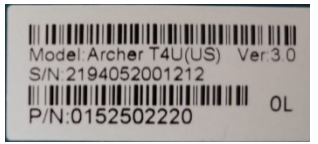
- Compatibility Lists
 - TP-LINK Archer T3U
(AC1300 Mini Wireless MU-MIMO USB Adapter, Ver:1.0)
 - TP-LINK Archer T4U
(AC1300 Wireless Dual Band USB Adapter, Ver:3.0)
 - D-Link DWA-182
(Wireless AC1300 MU-MIMO Wi-Fi USB Adapter, Revision D)

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

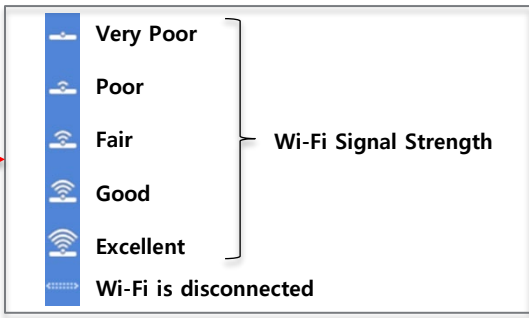
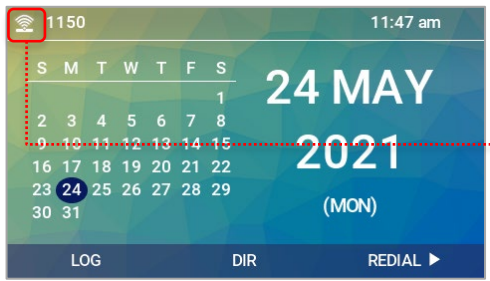
Soft Buttons and Wi-Fi Status Icon

[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.

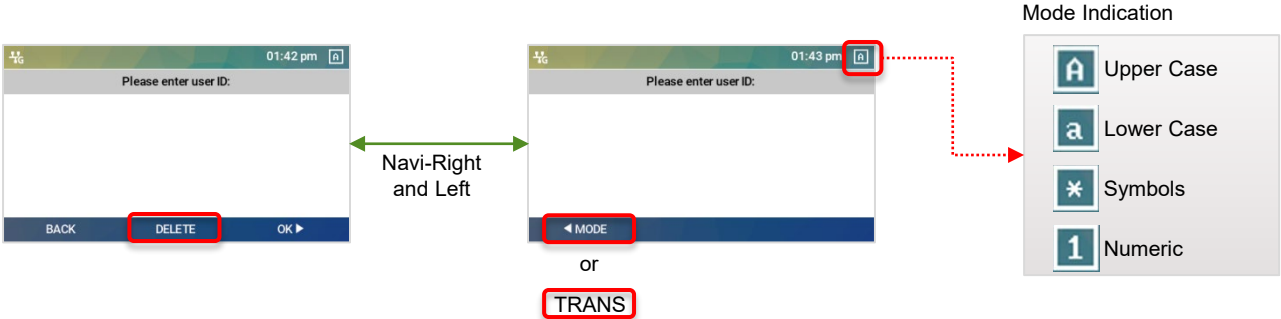
Wi-Fi Status Icon



Phone Entering Text

● **Input mode and character deletion**

To change the input mode, use the MODE on the soft menu or the TRANS button.



To delete a character, use the DELETE on the soft menu or the DND button.

● **1000i series phone's Character Entry Chart**

(D1: Press once, D2: Press twice, D3: Press three times, D4: Press four times)

Dial Pad Digit	Entry Mode												
	Upper Case				Lower Case				Symbols				Numeric
	Button Depressions												
	D1	D2	D3	D4	D1	D2	D3	D4	D1	D2	D3	D4	D1
1	@	:	/		@	:	/		@	:	/		1
2	A	B	C		a	b	c			\$	%		2
3	D	E	F		d	e	f		^	&	_		3
4	G	H	I		g	h	i		()	?		4
5	J	K	L		j	k	l		-	+	/		5
6	M	N	O		m	n	o		<	>	=		6
7	P	Q	R	S	p	q	r	s	;	:			7
8	T	U	V		t	u	v		'	"	`		8
9	W	X	Y	Z	w	x	y	z	{	}			9
0	.	,	?	!	.	,	?	!	.	,	?	!	0
*	.	*			.	*			.	*			*
#	Space(' ')				Space(' ')				#	[]		#

Example :

'A' : Select Mode as Upper Case and press Dial 2 once.

'b' : Select Mode as Lower Case and press Dial 2 twice.

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 :

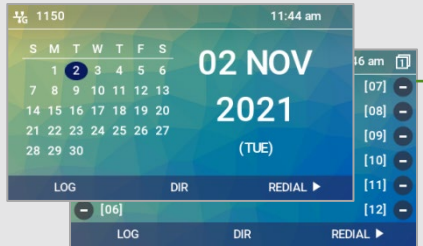
- Step 0. Connect Wi-Fi USB dongle
- Step 1. Turn-on Wi-Fi
- Step 2. Search & Connect AP
- Step 3. Configure Network
- Step 4. Reboot the phone

How to enter the "Wi-Fi Settings" Menu

[LCD]

Enter the "Network Settings" Menu

- If already registered in the system and works normally.



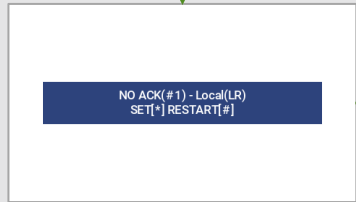
Cloud(CM) : MENU + 80
UCP : TRANS + 78

If it is registered in the system but doesn't work due to disconnection, restart and enter from the screen below.

- If not yet registered with the system

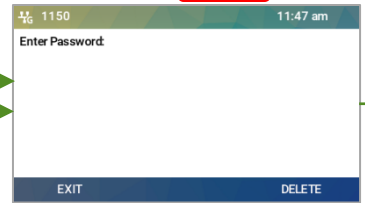


Press TRANS

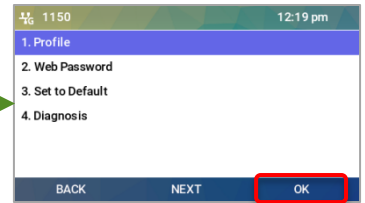


Press *

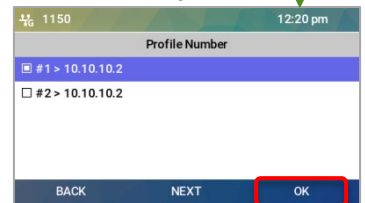
Enter Password : 147*



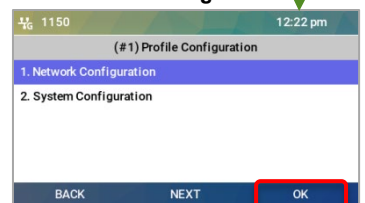
Select the "1. Profile"



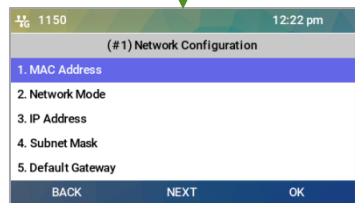
Select the desired profile



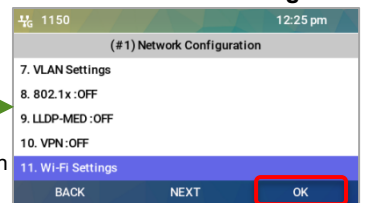
Select the "1. Network Configuration"



Select the "11.Wi-Fi Settings"



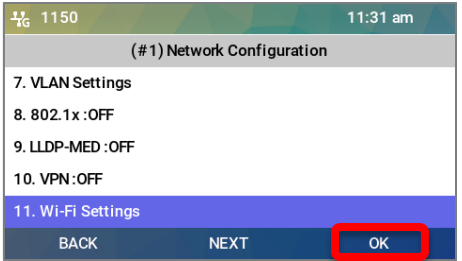
Press Navi-down



Turn-on Wi-Fi and Scan AP

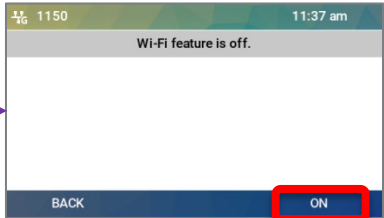
[LCD]

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



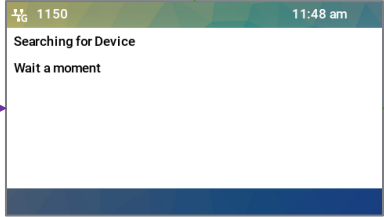
When Wi-Fi is off

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



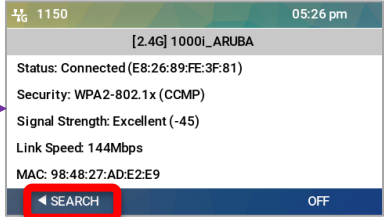
When Wi-Fi is already on

2-2 Searching AP



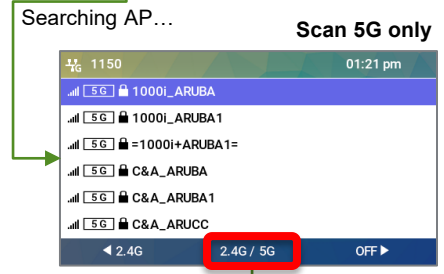
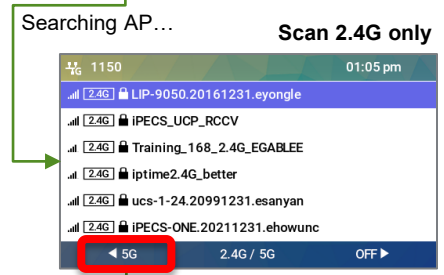
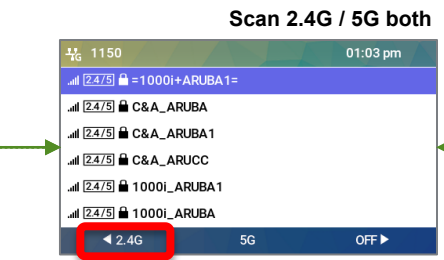
When Wi-Fi is connected

2-3 View current connected AP



Searching AP...

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

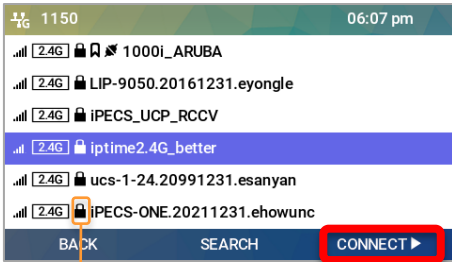


Searching AP...

Connect to the scanned AP

[LCD]

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

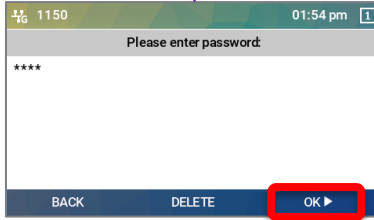
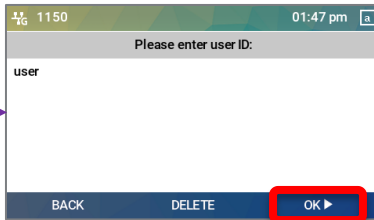


means secured AP

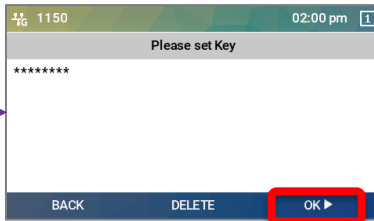
Auth. Type :
WPA-Enterprise

Auth. Type :
WPA-Personal

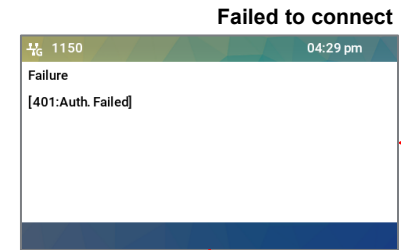
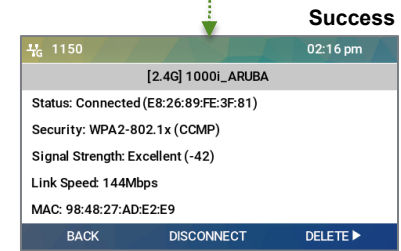
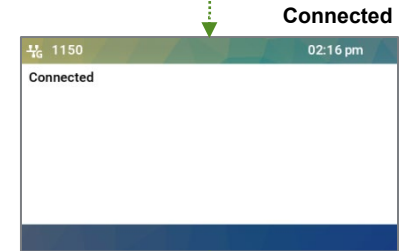
2-1. Enter ID & Password



2-2. Enter key



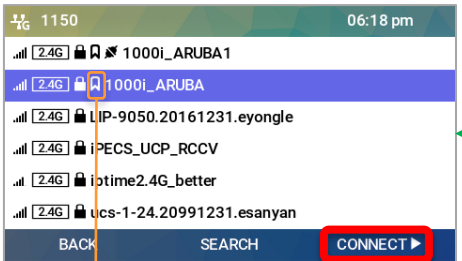
- ☞ To change the input mode, press the soft key "MODE" or "TRANS" button.
- ☞ Refer to "Phone Entering Text" for text input.




Connect to a saved AP

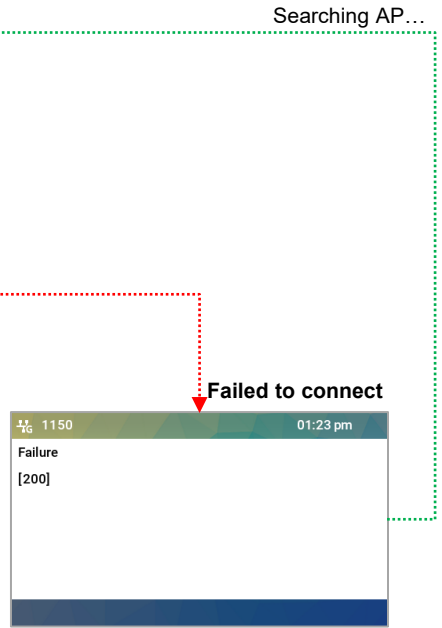
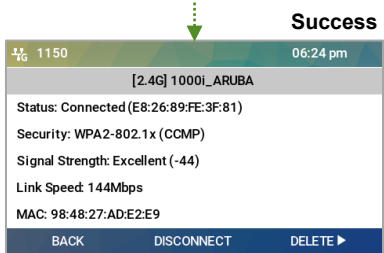
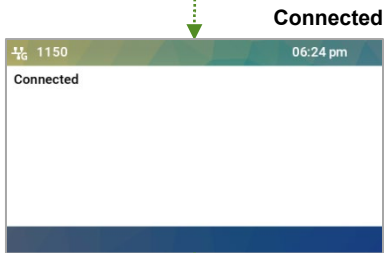
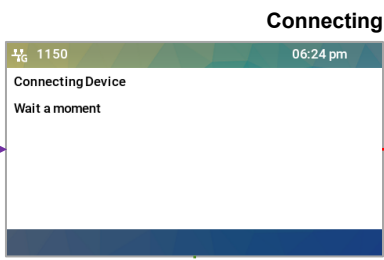
[LCD]

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



 means saved AP

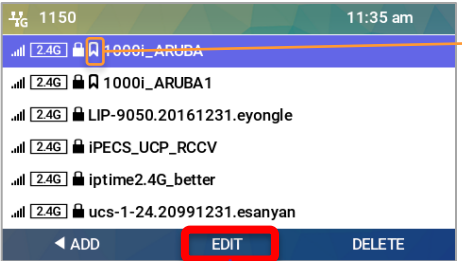
 For APs that have already been saved, attempt to connect without ID & Password.



Connect by editing the saved AP

[LCD]

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

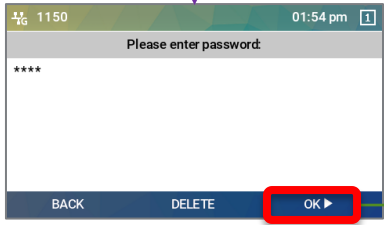
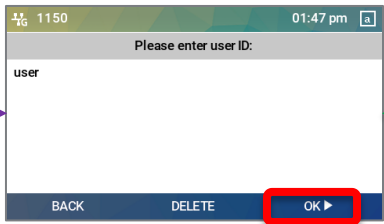


means saved AP

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

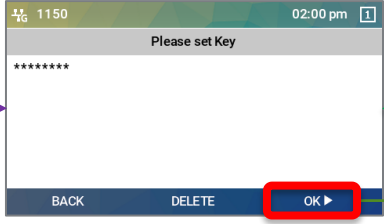
2-1. Enter ID & Password

Auth. Type : WPA-Enterprise

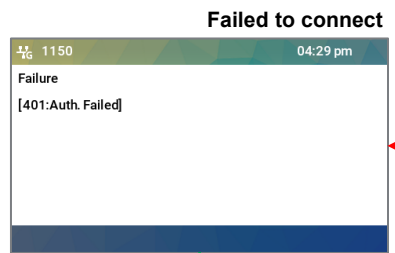
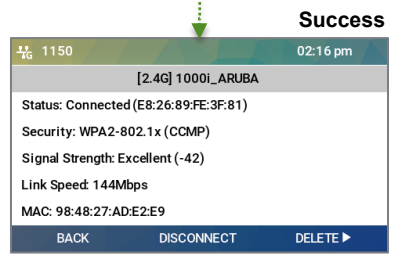
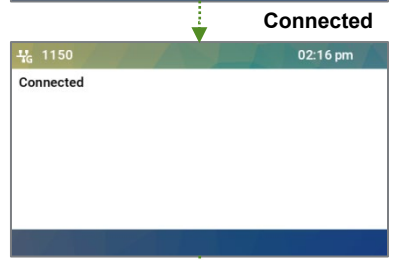


2-2. Enter key

Auth. Type : WPA-Personal



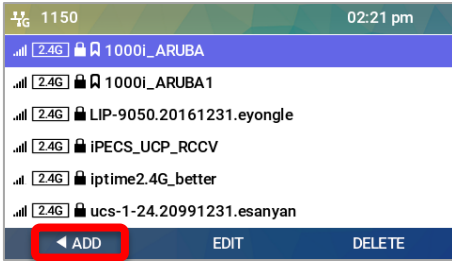
- To change the input mode, press the soft key "MODE" or "TRANS" button.
- Refer to "Phone Entering Text" for text input.



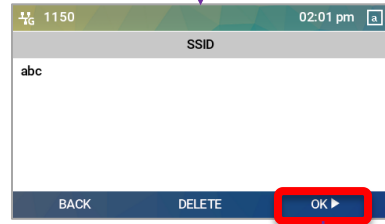
Connect by manually adding AP

[LCD]

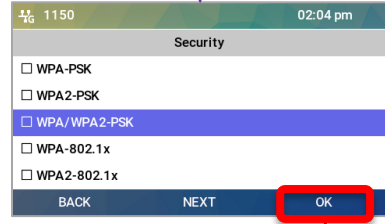
1. Press "ADD" on the AP list screen



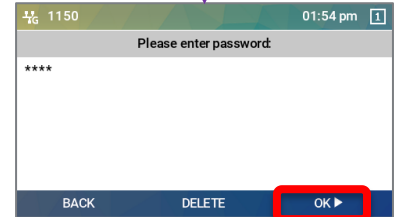
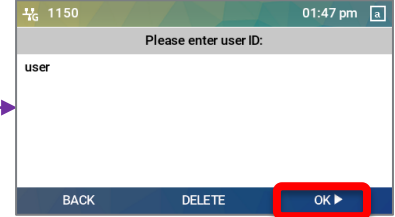
2. Enter SSID



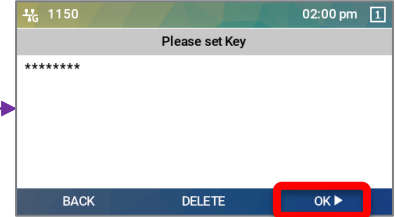
3. Select auth. type



4-1. Enter ID & Password



4-2. Enter key



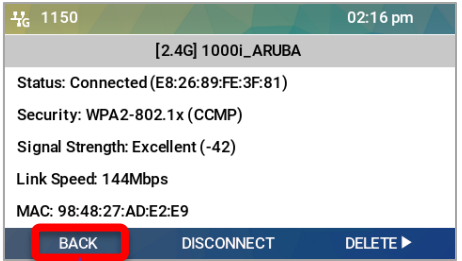
Auth. Type :
WPA-Enterprise

Auth. Type :
WPA-Personal

- To change the input mode, press the soft key "MODE" or "TRANS" button.
- Refer to "Phone Entering Text" for text input.

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

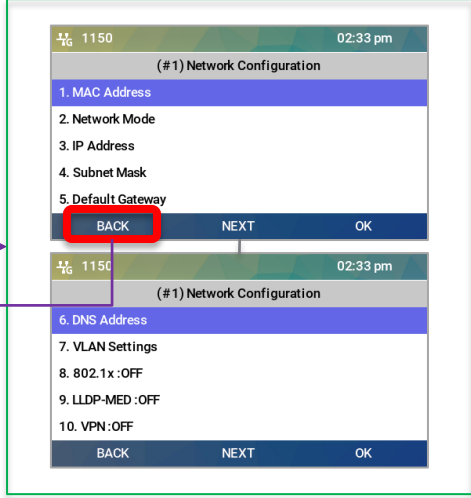
1. Press "BACK" for other network settings.



☞ 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.

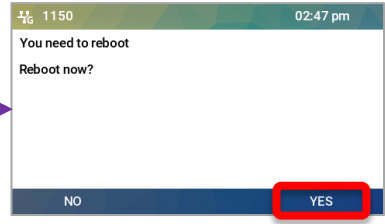
☞ Even if the Wi-Fi is turned on and connected to the wireless AP, the wired connection is maintained before rebooting.

2.1 Network Configuration



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

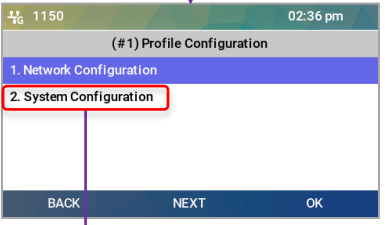
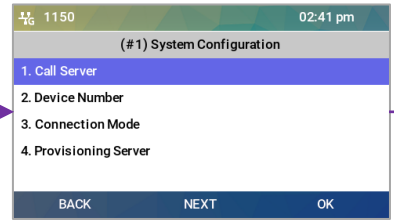
☞ If you press the Speaker button in all menus, the following screen is displayed.



- 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.

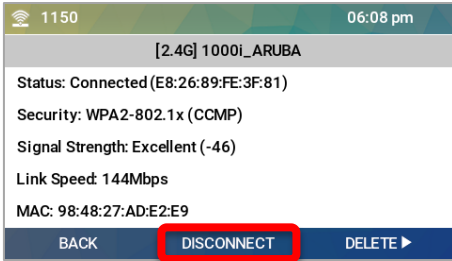
2.2 System Configuration



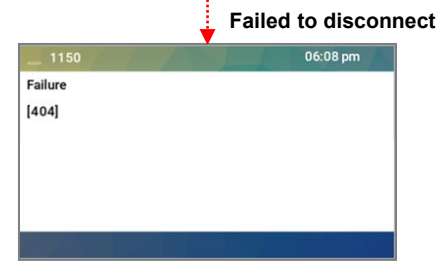
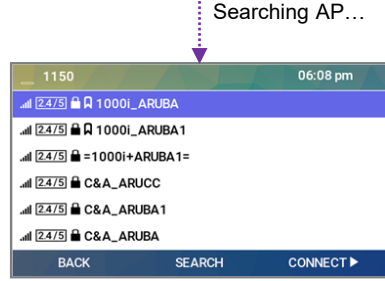
Disconnect the connected AP

[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.

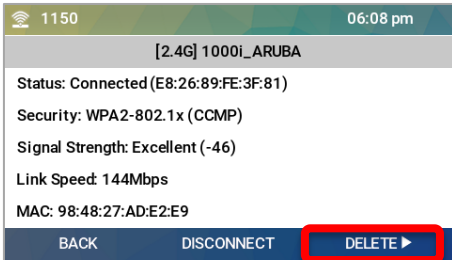


Delete the connected AP

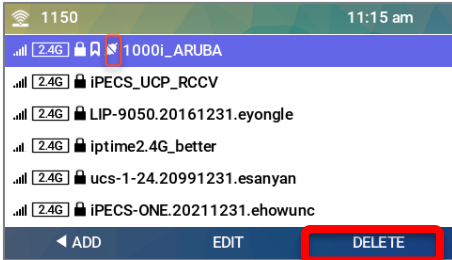
[LCD]

1. Press "DELETE"

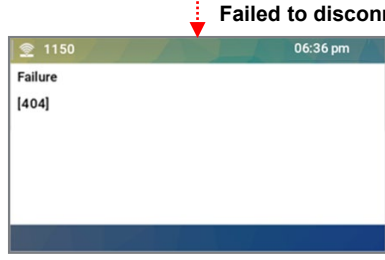
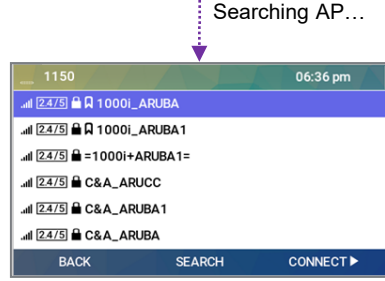
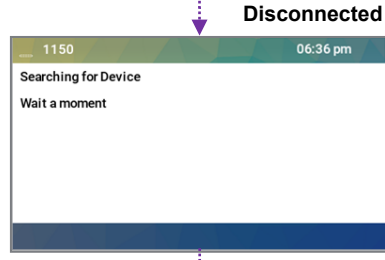
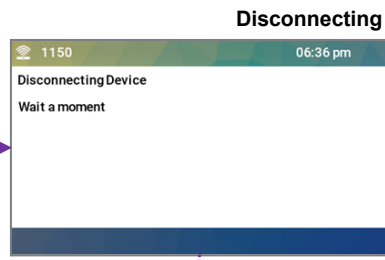
On the connection information screen :



On the search results screen :



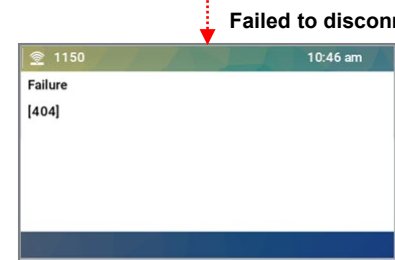
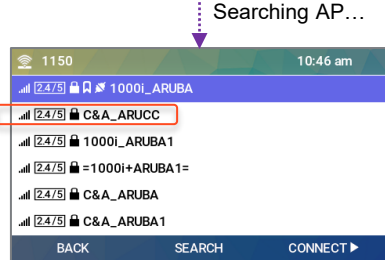
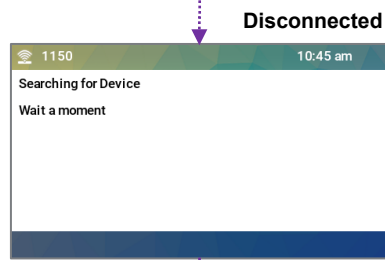
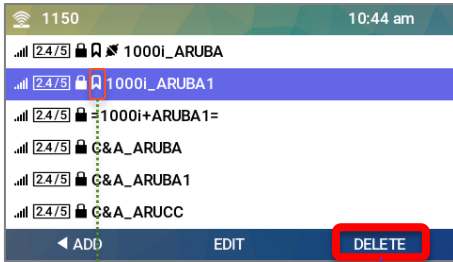
- ☞ All data of the deleted AP will be erased.
- ☞ If you perform 'DELETE' in the wireless connection state, the network is disconnected, so be careful.
- ☞ In order to operate as a wired network after deletion, you must reboot.



Delete the saved AP

[LCD]

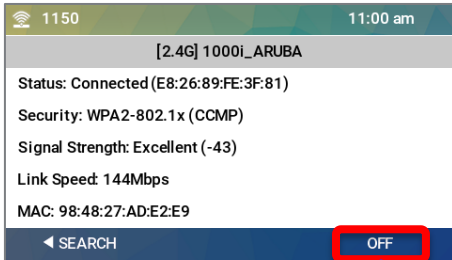
1. Move to the desired AP and press "DELETE".



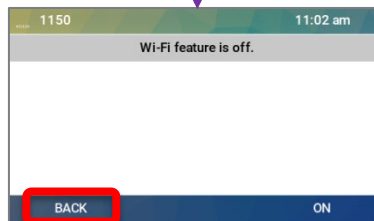
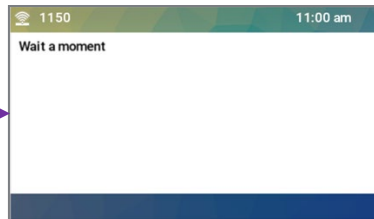
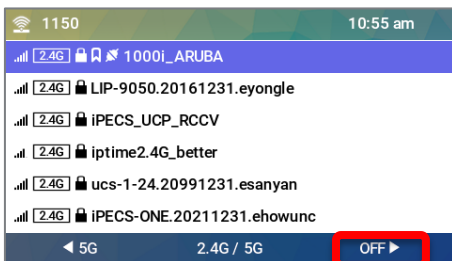
Turn-off Wi-Fi

1. Press "OFF"

On the connection information screen :



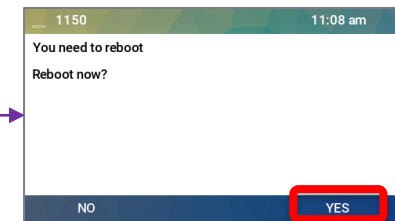
On the search results screen :



☞ 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.

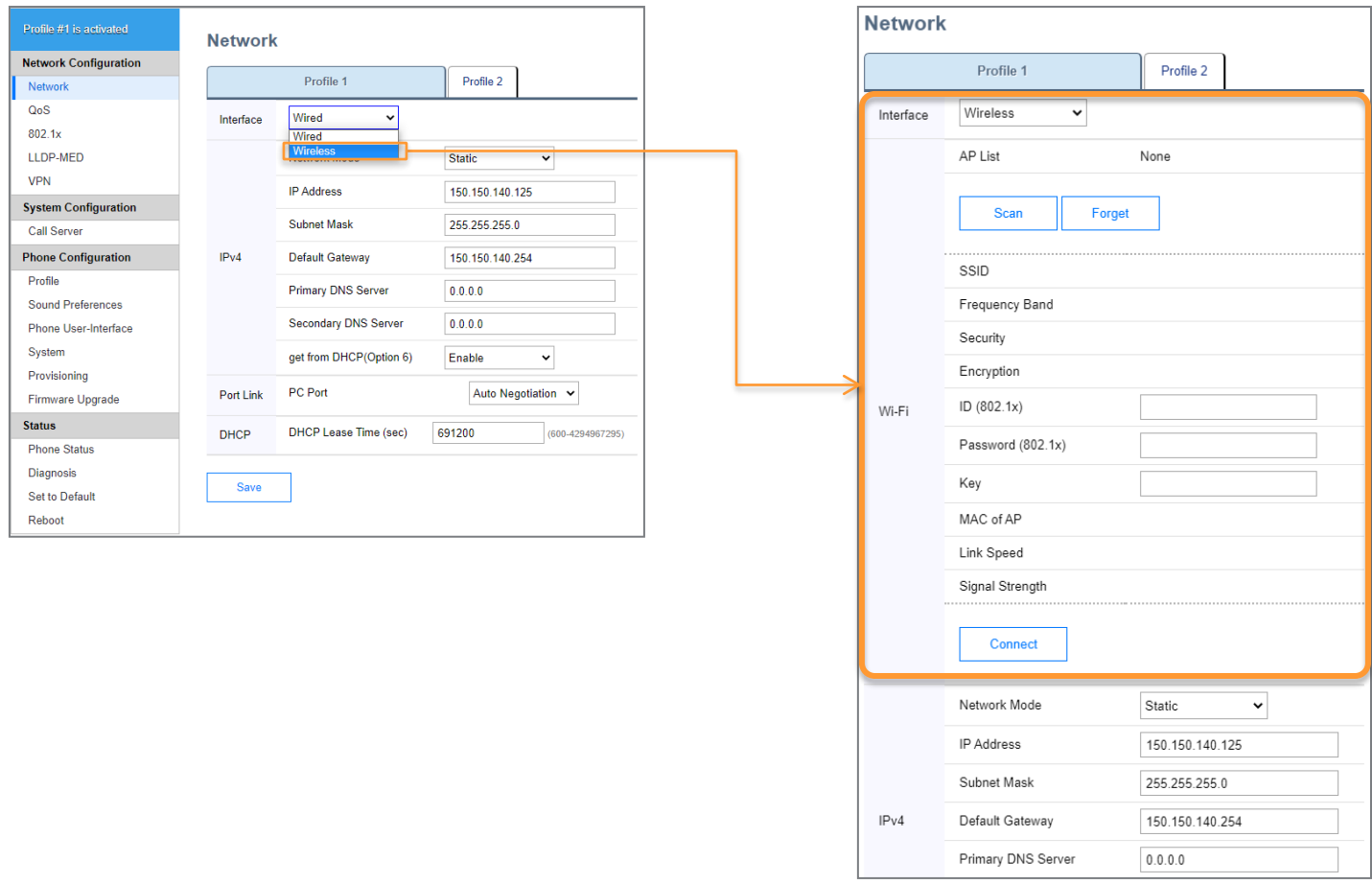
☞ Even if the wired network is connected after wireless off, the wired does not work before rebooting.

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.

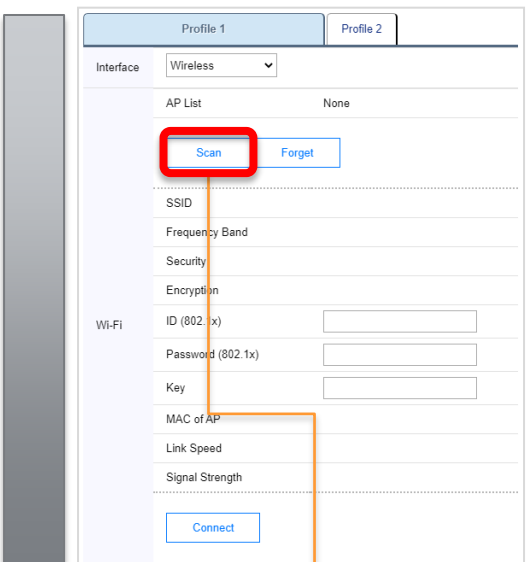


Scan AP

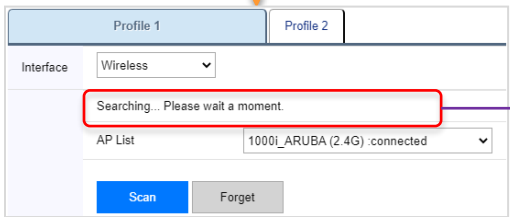
[WEB]

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

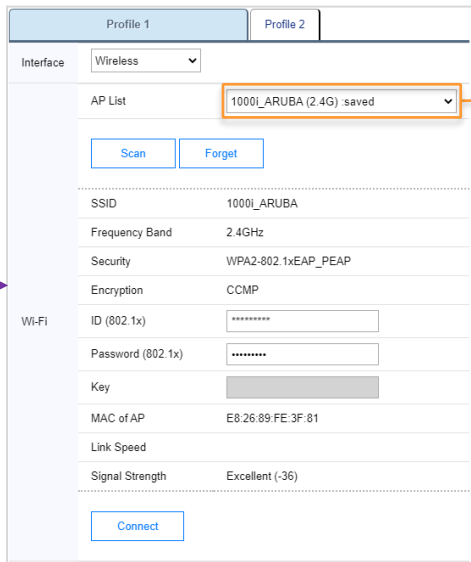
1. Click "Scan"



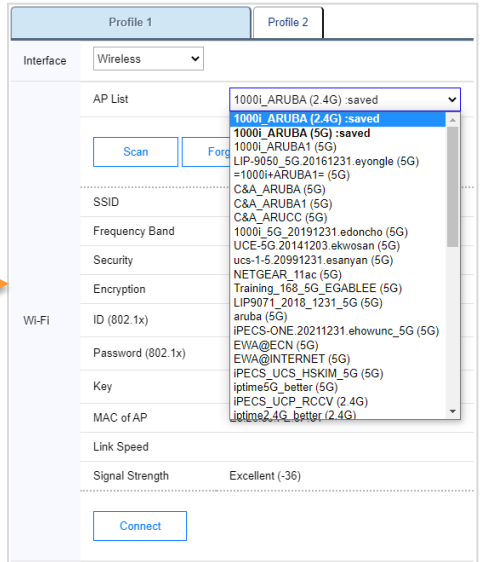
Searching AP...



2. Search Complete Screen



3. Searched AP Lists



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

Interface	Wireless
AP List	1000I_ARUBA (2.4G) saved
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	
Signal Strength	Excellent (-36)

- ☞ 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

Interface	Wireless
AP List	1000I_ARUBA1 (2.4G)
SSID	1000I_ARUBA1
Frequency Band	2.4GHz
Security	WPA2-PSK
Encryption	CCMP
Wi-Fi ID (802.1x)	*****
Password (802.1x)	*****
Key	*****
MAC of AP	E8:26:89:FE:3F:80
Link Speed	
Signal Strength	Excellent (-48)

- ☞ 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"

Interface	Wireless
Connected AP	1000I_ARUBA (2.4G)
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	Excellent (-40)

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

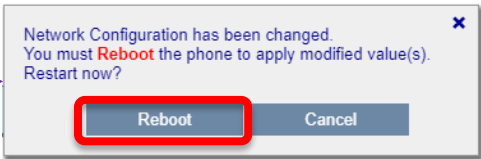
After connecting AP, set up the network and exit

[WEB]

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

The screenshot shows a network configuration interface with two tabs: Profile 1 and Profile 2. The 'Wireless' interface is selected. Under 'Connected AP', '1000_ARUBA (2.4G)' is listed with 'Scan' and 'Forget' buttons. Below this, various Wi-Fi settings are shown: SSID (1000_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 (144Mbps), and Signal Strength (Poor (-82)). A 'Connect' button is at the bottom of this section. Below the Wi-Fi section, the 'IPv4' section is highlighted with an orange border. It includes 'Network Mode' (Static), '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), and 'DHCP Lease Time (sec)' (691200). A 'Save' button is highlighted with a red box at the bottom left of the interface.

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



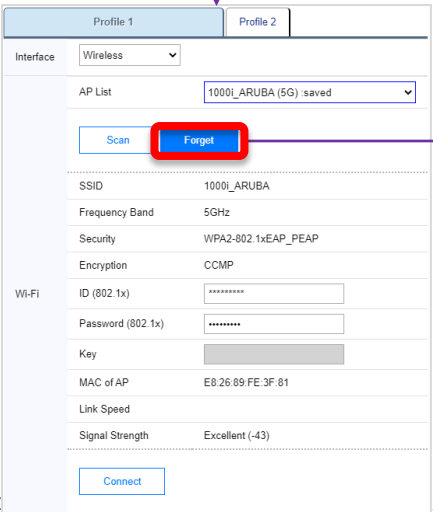
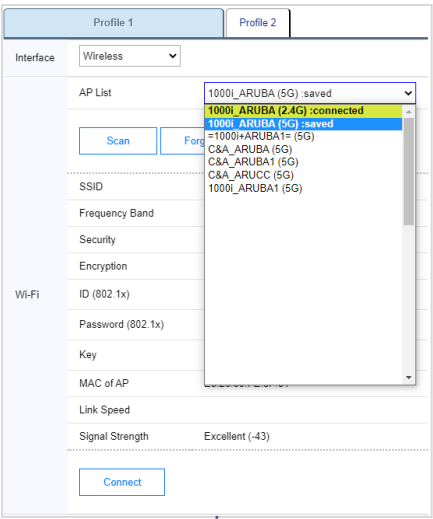
- ☞ You can set up your network and server before setting up the Wi-Fi. If the Network, Server or Wi-Fi settings are changed, you must reboot.
- ☞ Even if the Wi-Fi is turned on and connected to the wireless AP, the wired connection is maintained before rebooting.

Delete the saved AP

[WEB]

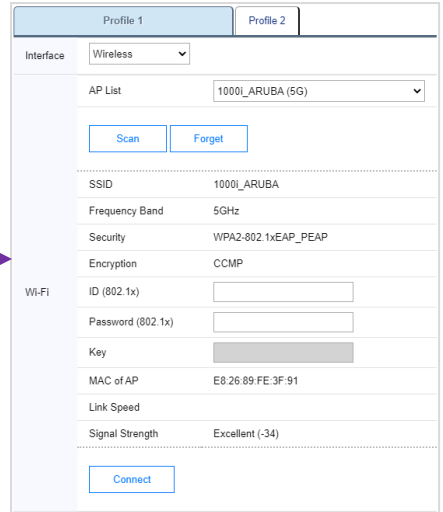
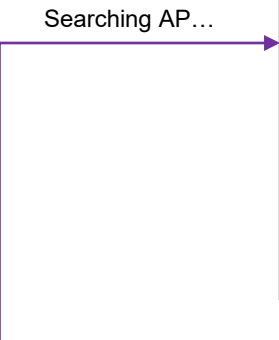
You can delete the “saved” AP by selecting it from the AP List.

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



“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.





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