

Android Simple Config User Guide

Version

Version	Data	Digest
0.1	2014-02-26	Introduce <i>Simple Config</i> android app usage.
0.2	2014-12-05	Add description about configure parameters setting.
0.3	2014-12-18	Refined.

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1 Android App Usage

1.1 Install

Simple Config Android app is a normal apk file:



It can be installed on any Android devices using popular phone manager such as WanDouJia, which can be download from <http://www.wandoujia.com/>.



The installation details can be found in the program's use guide.

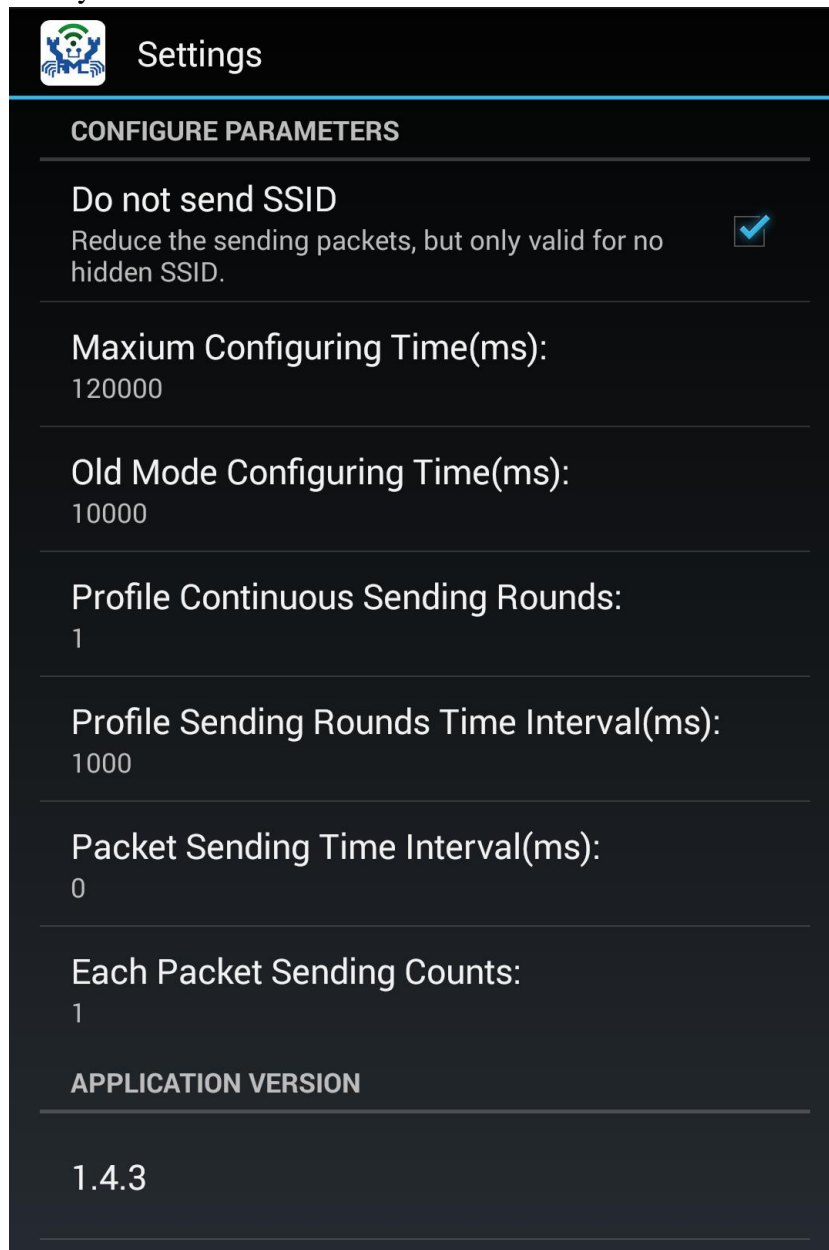
1.2 Parameters setting

If the app version is bigger than v1.3.5, a action bar is added for parameters setting. It is shown below:



Before configuring progress, user should check the parameters and make sure they are what's you want.

The setting activity is shown below:



Settings

CONFIGURE PARAMETERS

Do not send SSID ☒
Reduce the sending packets, but only valid for no hidden SSID.

Maxium Configuring Time(ms):
120000

Old Mode Configuring Time(ms):
10000

Profile Continuous Sending Rounds:
1

Profile Sending Rounds Time Interval(ms):
1000

Packet Sending Time Interval(ms):
0

Each Packet Sending Counts:
1

APPLICATION VERSION

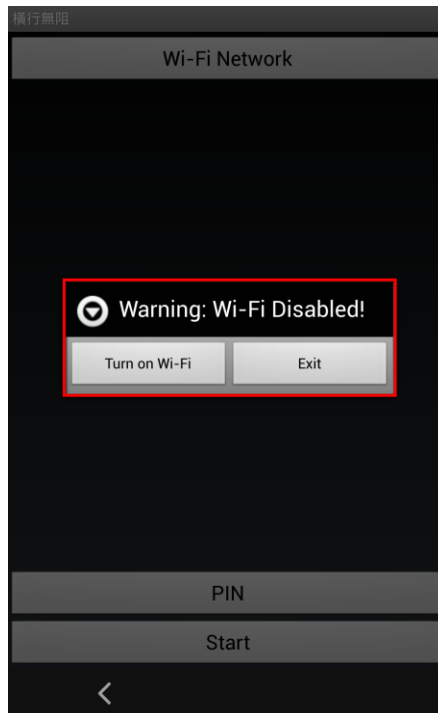
1.4.3

Parameter explanations:

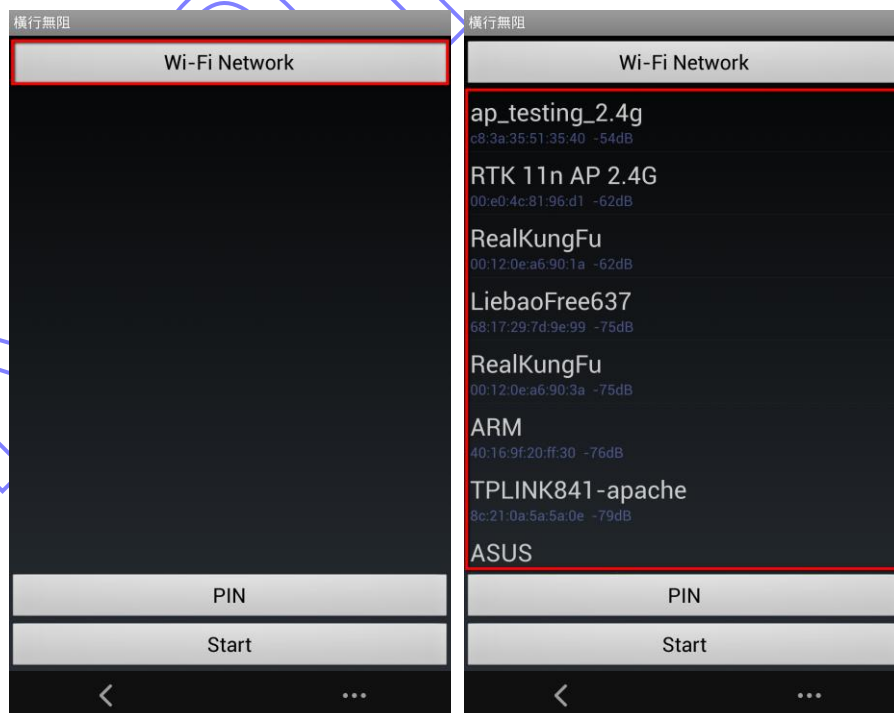
- 1). “*Do not send SSID*”: Don’t send SSID to reduce the sending packets number to speed up the configuring progress.
- 2). “*Maxium Configuring Time(ms)*”: The maxium configuring time, default 120000ms.
- 3). “*Old Mode Configuring Time (ms)*”: Old mode configuring time, default 0ms.
- 4). “*Profile Continuous Sending Rounds*”: How many times will profile be continuous sent, default 1.
- 5). “*Profile Sending Rounds Time Interval(ms)*”: The sleep time after profile be continuous sent, default 1000ms.
- 6). “*Packet Sending Time Interval (ms)*”: The sleep time between sending two packets, default 0ms.
- 7). “*Each Packet Sending Counts*”: How many times will each packet be sent.

1.3 Config Progress

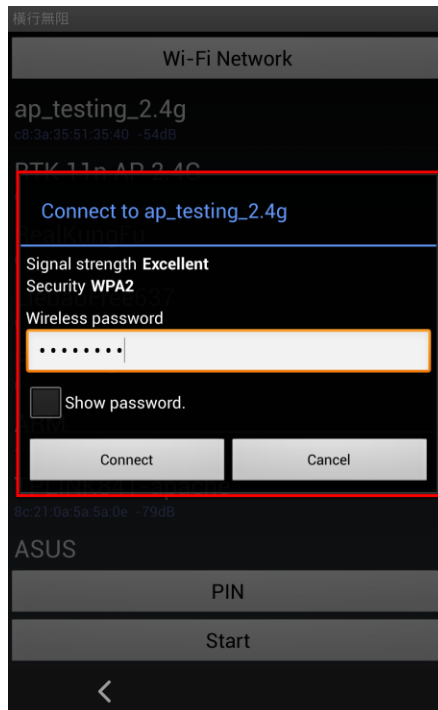
- 1) Click the app icon on your phone screen to start the android app. if the system Wi-Fi is not enabled, it will give a warning to remind you to enable Wi-Fi.



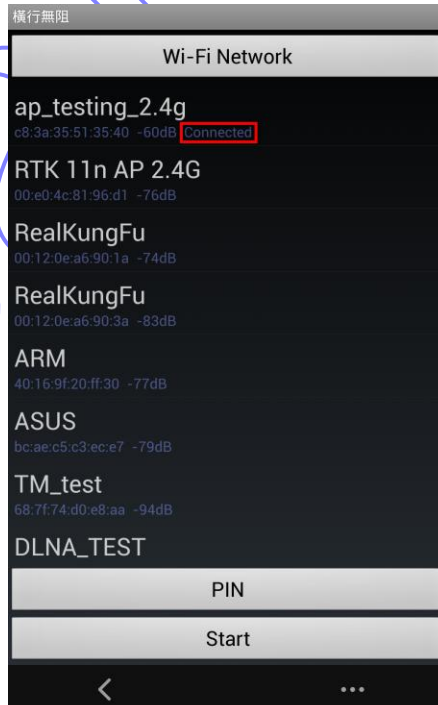
- 2) After Wi-Fi is enabled, click the “Wi-Fi Network” button to get the Wi-Fi network list.



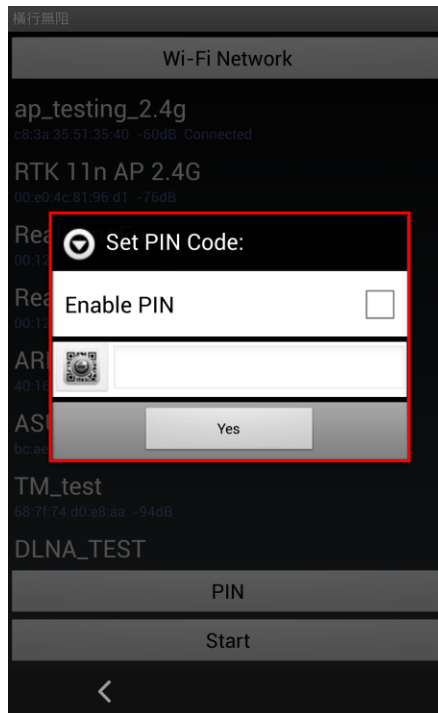
- 3) Click one item such as “ap_testing_2.4g”, a configure dialog box will popup.



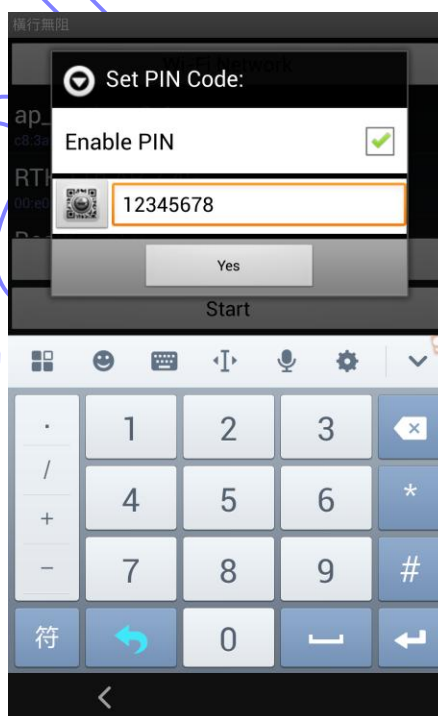
Input the correct password and click “Connect” button to connect to wlan “ap_testing_2.4g”. Then click the “Wi-Fi Network” button to refresh the connection status. When it becomes “connected”, configuring could be started.



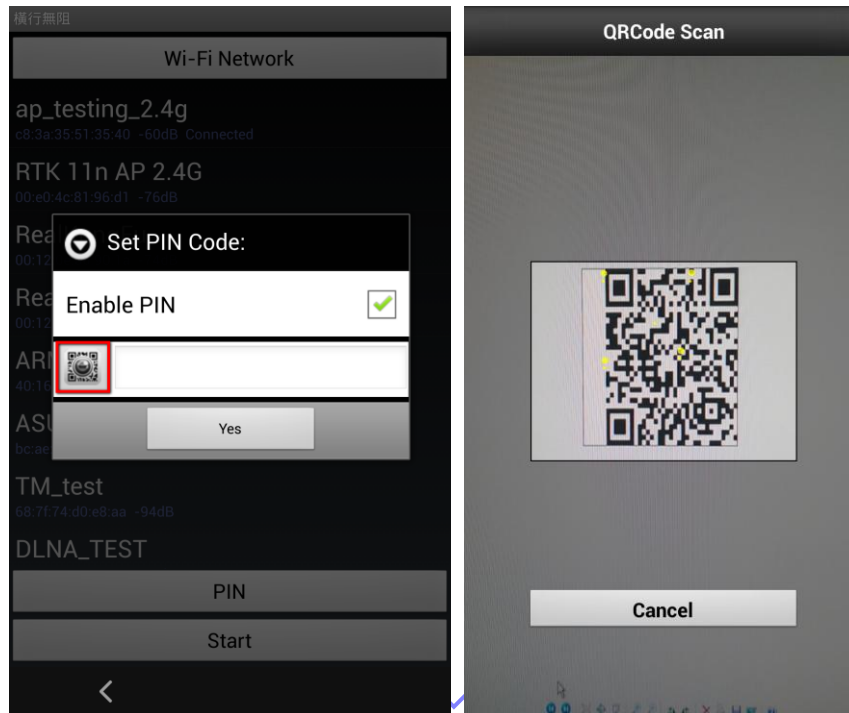
- 4) Before start configuring, if PIN code is needed, click the “PIN” button, then a dialog will popup.



Now the custom PIN code will be enabled or disabled by selecting the checkbox or not. If the checkbox is selected, the PIN code can either be typed in by hand,

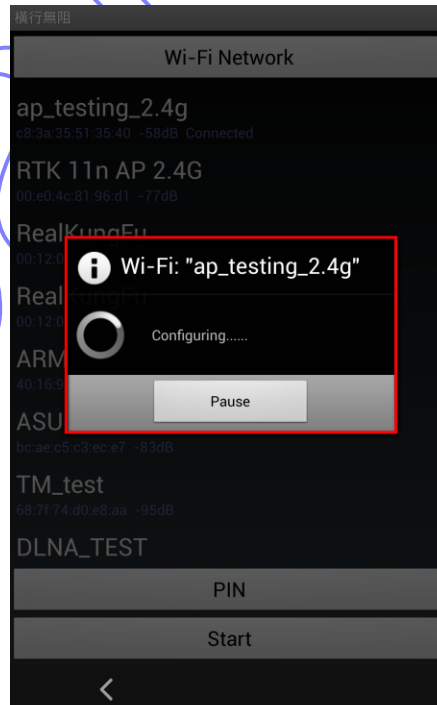


or be captured by camera of your android device from a specified QRCode.

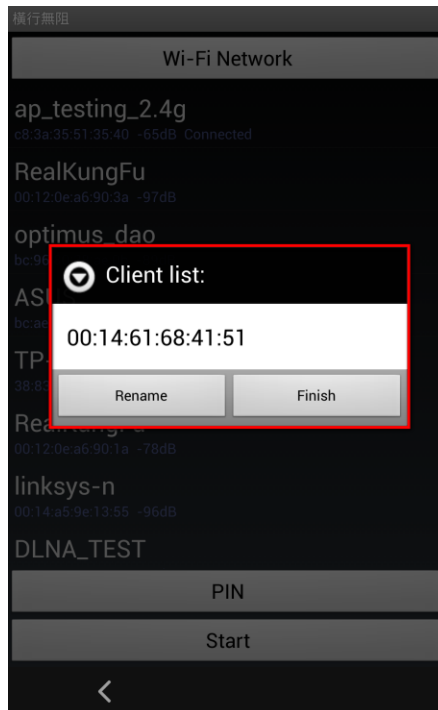


Click “Yes” to finish.

- 5) Click “Start” button to start configuring, a progress bar will popup:

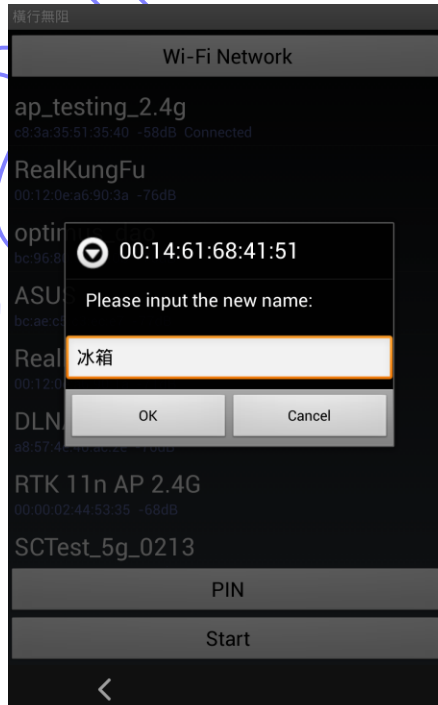


- 6) If a client ACK is received (or maybe the “Pause” button is clicked), a dialog will popup to show the connected client lists:

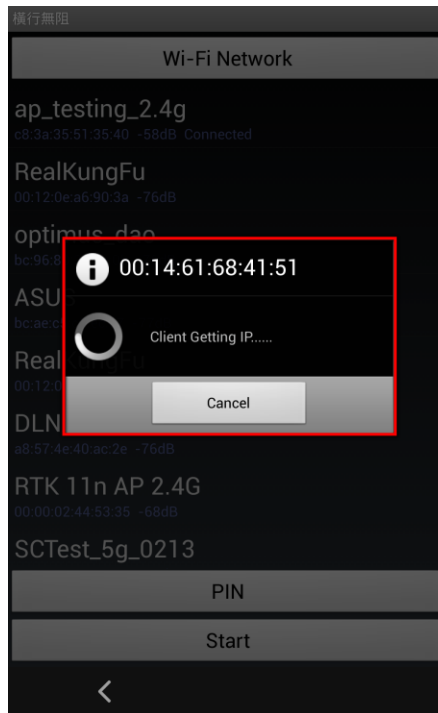


At this time, user can either click “Finish” to return to previous menu or click “Rename” to rename the device.

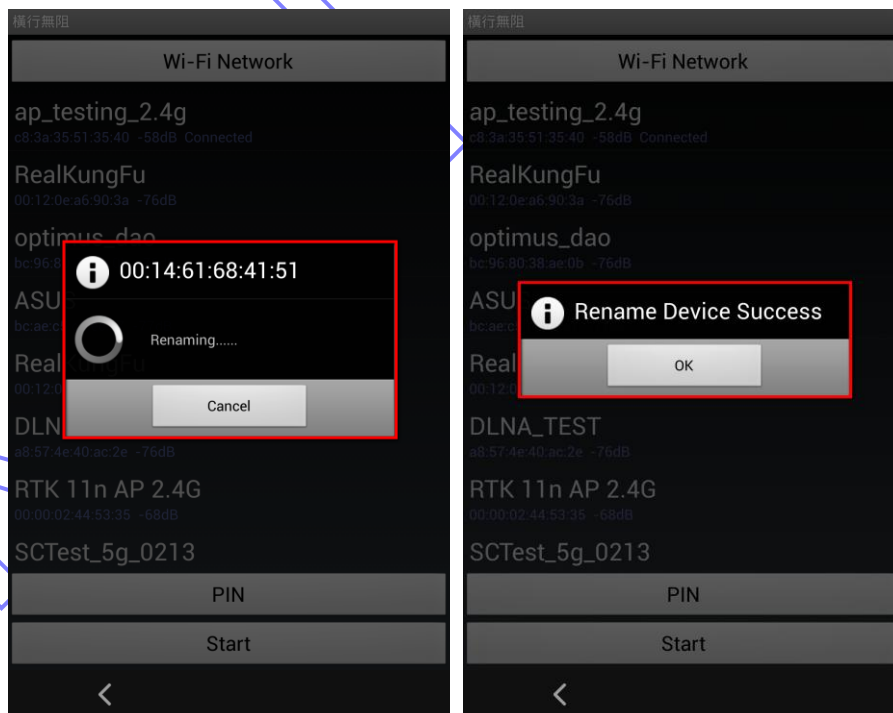
- 7) If “Rename” is clicked, then a name must be typed in.



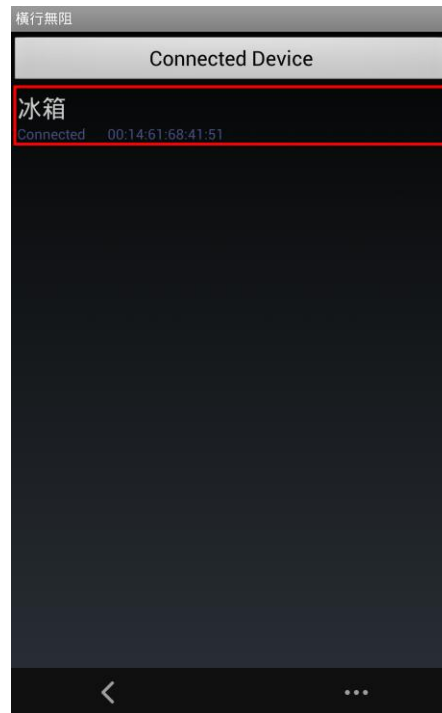
Click “OK” to rename. At this time, if the client does not get IP address, a dialog will popup to show the IP getting progress.



After client's IP is got, the renaming progress will go on. If rename success, a dialog of "Rename Device Success" will show up.

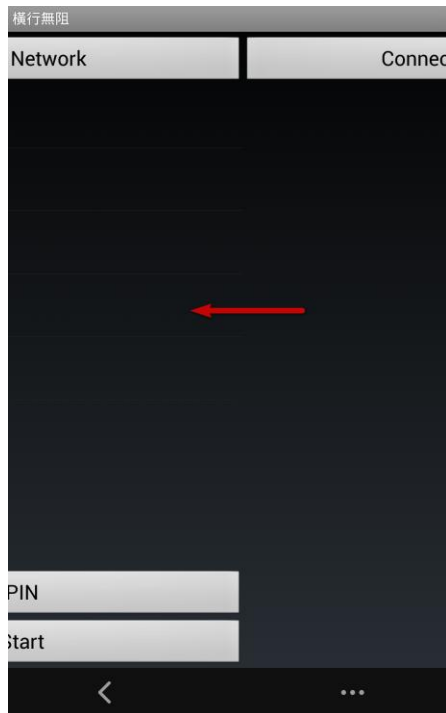


Click "OK", it will jump to the control page to show the connected and renamed device.



1.4 Device Control

- 1) Jump to control page by slipping screen from right to left:

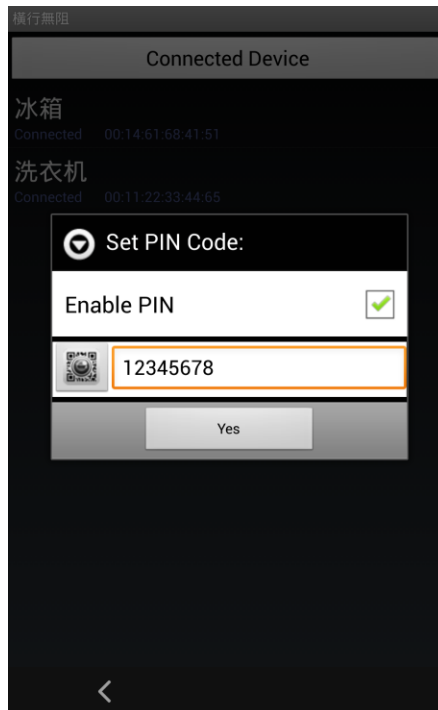


- 2) Discovery connected devices:



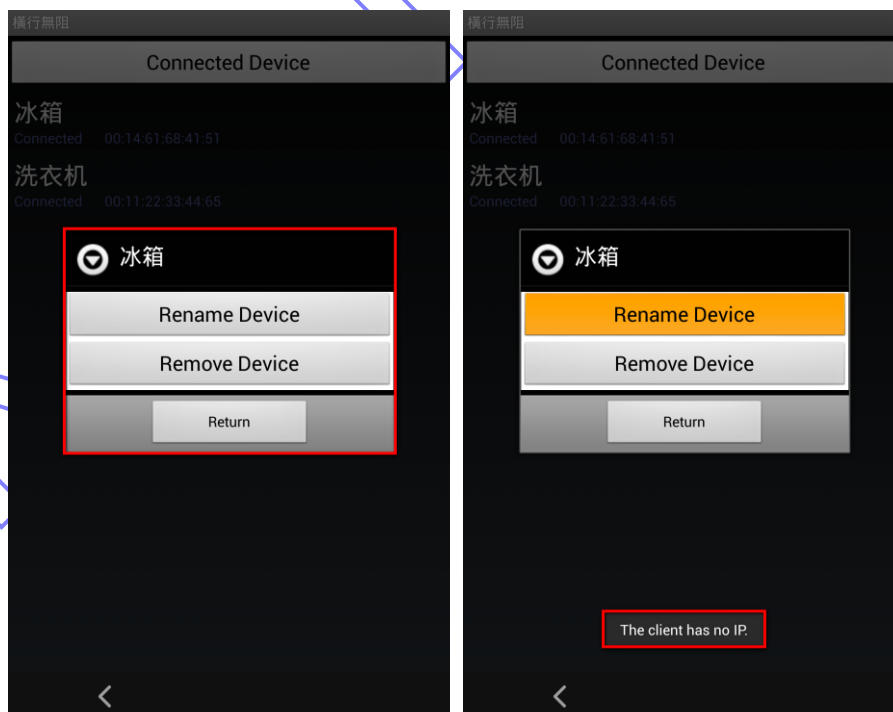
Click the button “Connected Device”. After a while the connected device’s information will be shown below.

3) Select one device to operate:



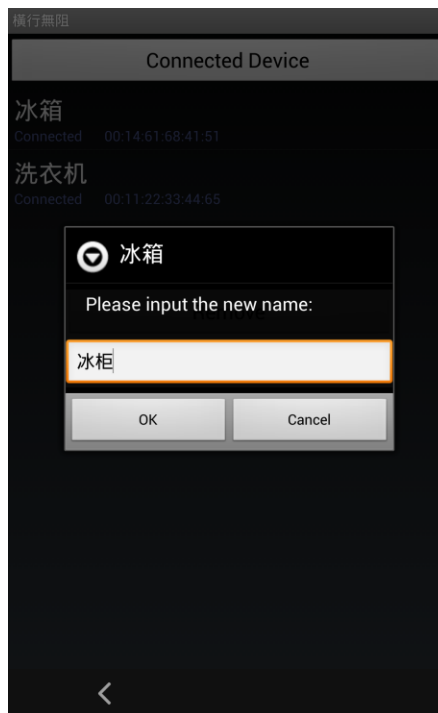
Click one device, if it's the first time to click, input the PIN code of that device. Re-click the device, then a configuration dialog will popup. Now there are two functions: rename device and remove device.

4) Rename device operation:

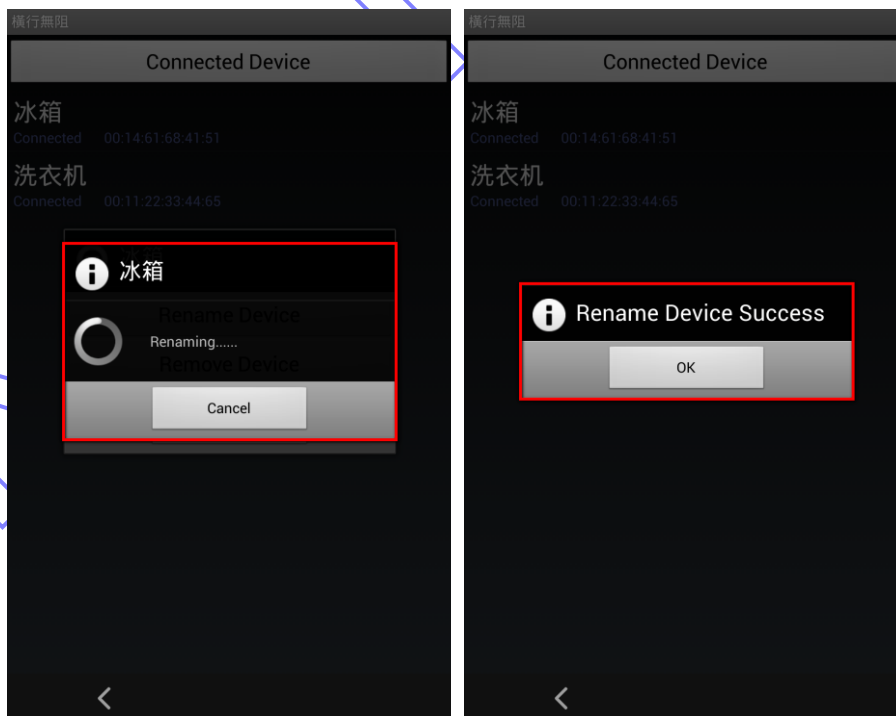


In the configuration dialog, click button “Rename Device”. If the client has not get IP, a text line “The client has no IP” will show on screen.

Click “Return” button, and insure that the client has got IP. Re-click the button “Connected Device” to re-scan devices. Chose one item, in the configuration dialog, re-click button “Rename Device”. Input the new name, and click “OK”.



Then a dialog will popup to show the renaming progress.

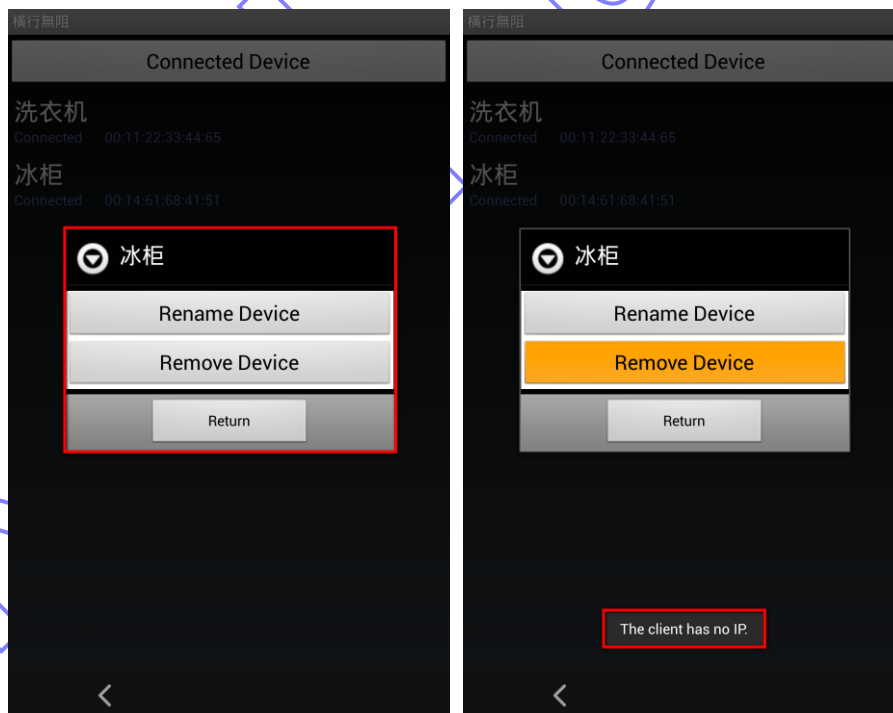


If rename succes, the app will receive a rename success ACK, and a “Rename Device Success” dialog will show up. Click “OK” to exit.

After the rename operation, click “Connected Device” button, the new name will show up.

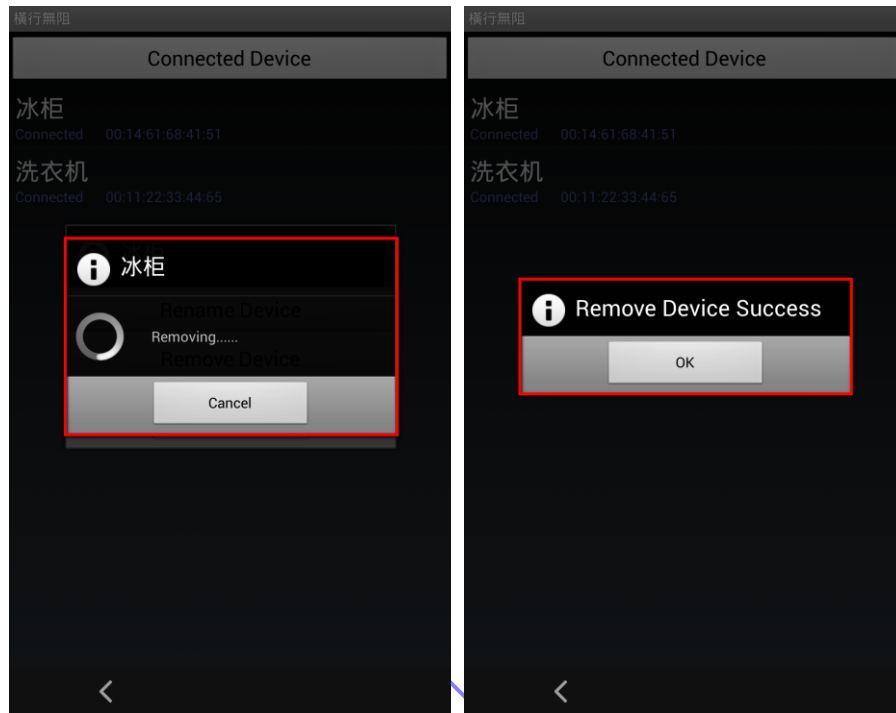


5) Remove device operation:



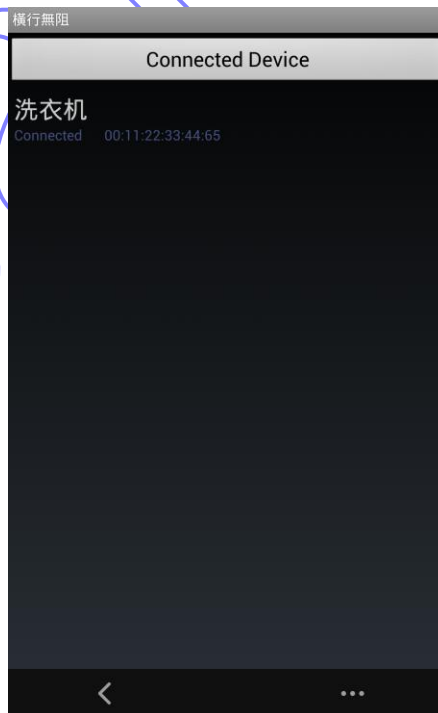
In the configuration dialog, click button “Remove Device”. If the client has not get IP, a text line “The client has no IP” will show on screen.

Click “Return” button, and insure that the client has got IP. Re-click the button “Connected Device” to re-scan devices. Chose one item, in the configuration dialog, re-click button “Remove Device”. Then a dialog will popup to show the removing progress.



If remove succes, the app will receive a remove success ACK, and a “Remove Device Success” dialog will show up.

After the remove operation, click “Connected Device” button, the removed item will dismiss from the list.



2 Config Method of Client

- 1) Config method 1: run simple config app and input PIN code such as “12345678” to configure client device.
- 2) Config method 2: press the push Button (the same as WPS button), and run simple config app without input pin code.

Note:

If the client device has already connected to AP successfully, user can delete it from app(correct pin is needed) or press the push button on the device board and then to re-config it.