IOS Simple Config User Guide

Version

Version	Author	Data	Digest
0.1	Patrick Cai	2014-02-19	Introduce how to user Simple Config on IOS device
0.2	Patrick Cai	2014-02-24	Remove save profile feature
1.1	Patrick Cai	2014-12-18	Update with Programming guide and UI

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IOS Simple Config User Guide

Simple Config is an application running on Android/IOS devices. It provides a new method to simplify the WLAN profile configuration procedure. It has two major function:

1. use *Simple Config* on smart-mobile/tablet/ to assist other devices to join the WLAN network;

2. use *Simple Config* to control devices already connected to WLAN network, including device discovery, and delete WLAN profile on devices and rename devices.

This document introduces how to use *Simple Config* on IOS devices (including iPhone/iPAD). All figures used in this document is based on iPad mini. Other iPhone devices may have little differences.

1. Homepage

Homepage of *Simple Config* is shown in Fig.1-1. The two buttons lead to device configure and device discovery, which will lead to device control.
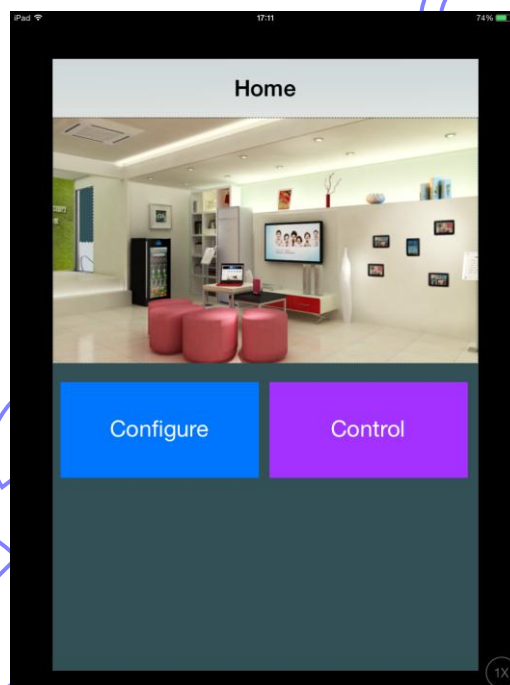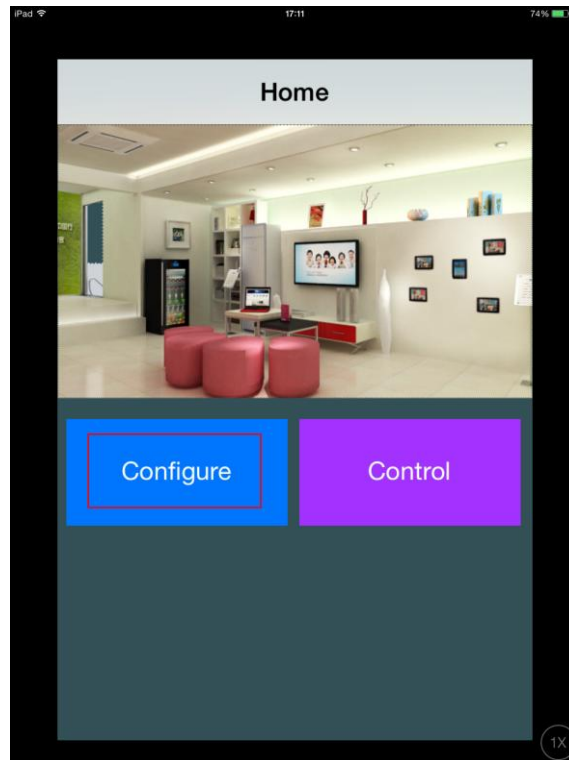

Figure.1-1 Simple Config UI(1)

Because *Simple Config* is based on WLAN, user **MUST** turn on WLAN **and** connect to Wi-Fi first. Note, must wait until there's a Wi-Fi logo on the left-top corner of iDevice. Otherwise, an possible error message will be shown or some functions can't be used.

2. Device Configure

a. To configure a client device, press "Configure" button in homepage.

b. Input necessary information

Currently there're basically two patterns, which both have PIN required or not possibility. Thus there're totally 4 types to choose.

SSID: APP will automatically input current connected Wi-Fi SSID of your iDevice.

Password: Password of this SSID. If no password, you can leave it empty.

PIN: Whether PIN is necessary is decided by DUT MIB item SC_PIN_ENABLED.

If this MIB is set to 1, you must input DUT unique PIN code.

If this MIB is set to 0, you can leave this text field empty.

The QRCode scan button can help you scan QRCode PIN.
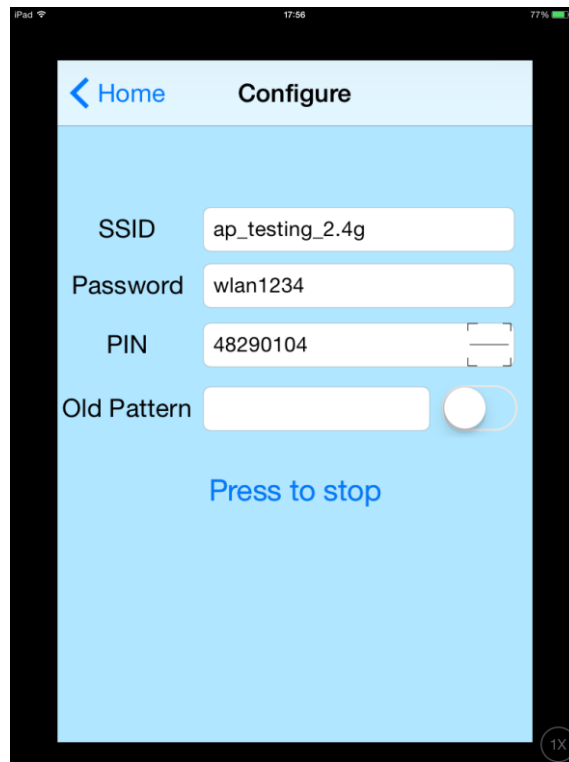
Old Pattern: This column is for test.

If old pattern wants to be used, turn on the switch first.

If you only want to use old pattern for a few seconds, input the time;

If you want to keep using old pattern, input 0 in text field.

If new pattern wants to be used, turn off the switch.

After all necessary information is input, press "Start" button. And the button will show "Press to stop", so that you can stop the configuration at any time you want.
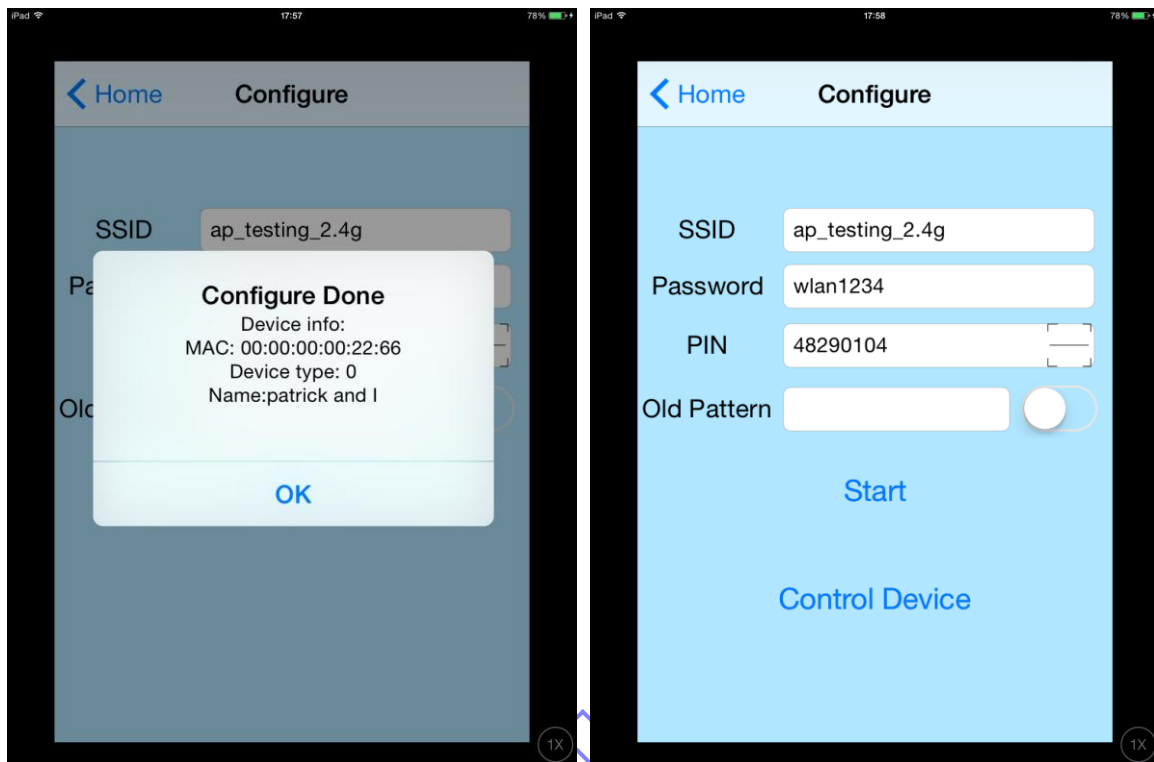

c. Get configuration result

After about 10-30 seconds, depending on your Wi-Fi situation, result will be shown together with device information.

At the same time the button will turn back to "Start".

After another few seconds(DUT will try to fetch an IP address from remote AP), another button will be shown. Now you can control your device because it has got an IP address.

d. Control Device if you want

The device control part will be introduced in chapter 3.

Note:

1. Please don't press Home button on left-top corner while configuring, which may leads to configuration failure.

2. The configuration time is normally less than 1 minute. If result can't be shown after 1 minute, please check in the following order:

a. your iDevice has disconnected from remote AP.

b. DUT requires PIN code while you haven't input one.

c. input information is wrong somewhere, including password and PIN code, or even SSID is changed by wrong input.

d. DUT status is wrong.

3. Device Control

To control device, device must be configured first and be discovered by APP.

3.1 Device Discovery

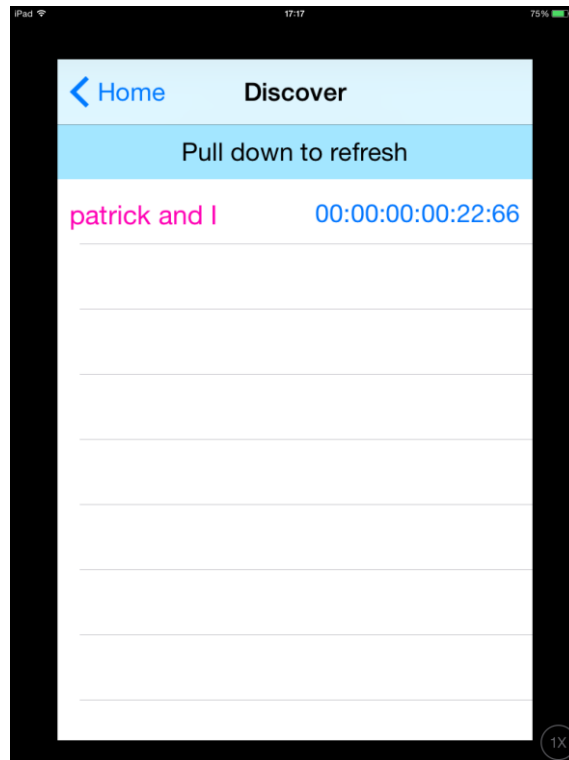By pressing "Control" button in homepage, discover page will be shown.

Figure 3-1 Discovering Device List

If the expected device isn't shown, just pull down to refresh.

3.2 Device Control

Pressing the column showing device that is expected to be controlled, the control page will be shown. If the DUT doesn't require PIN code, then the PIN column won't show.
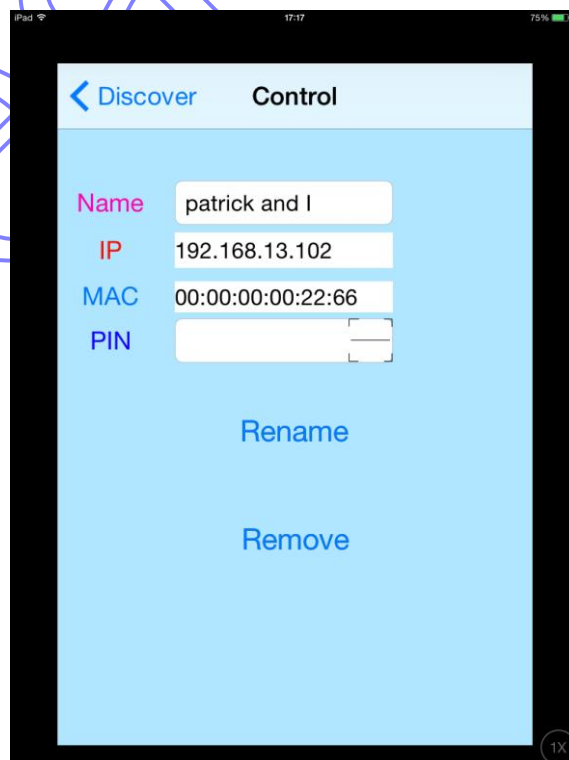
Figure 3-2 Control Page

Currently only two control operations are supported: rename and remove.

Rename:

Rename your device

Remove:

Disconnect the DUT from remote AP and clear the Wi-Fi profile in DUT.

Input the PIN code if needed and press the corresponding button, after about 1-3 seconds, the result will be shown, indicating succeed or fail.