



Web Server User Guide

This document provides a guideline of web configuration for AP mode.

Please note that only IE 8 and chrome browser have been verified.

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1 Introduction

This document provides a guideline of how to use web server. A connection must be established between the browser and the web server before you can access AP configuration page. Firstly, configure the device to AP mode and enable webserver use ATCMDs. Secondly, let the Wi-Fi device of the client PC connect to the AP. Finally, open the browser in the client PC and enter correct URL.

2 Configurations

2.1 Configuration of SoftAP Mode

The following ATCMDs is used to configure SoftAP mode. The details of ATCMD refer to AN0025.

```
# ATW3 = ssid  
# ATW4 = password  
# ATW5 = channel  
# ATWA
```

2.2 Configuration of Web Server

Firstly, set CONFIG_WEBSERVER to 1 to enable web server in **platform_opts.h**. Secondly, enter ATCMD “ATWE” to start webserver.

If CONFIG_READ_FLASH defined in atcmd_wifi.c is set to 1, AP settings from “ATWA” will be saved to FLASH DATA_SECTOR. And if CONFIG_READ_FLASH defined in webserver.c is set to 1, AP settings from webserver will be saved to Flash DATA_SECTOR. After power off/on or reset, enter command “ATWE”, SoftAP will be started with these settings.

```
//Enable webserver function in platform_opts.h  
#define CONFIG_WEBSERVER 1
```

```
//Save AP settings to Flash
//webserver.c
#define CONFIG_READ_FLASH          1
//atcmd_wifi.c
#define CONFIG_READ_FLASH          1
```

ATCMD to start webserver.

```
# ATWE
```

3 Web Server Introduction

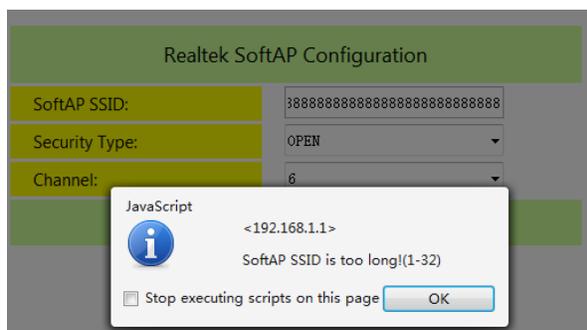
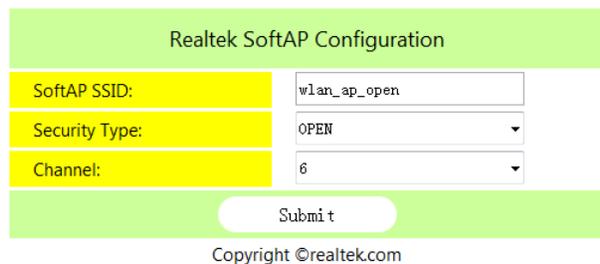
When the Wi-Fi device of the client PC has already connected to the AP, please open browser and enter <http://192.168.1.1/>.

3.1 Page of OPEN

When “Security Type” selected “OPEN”, the web page is shown below.

When “Submit” button is clicked, string length of the input SSID will be checked. Only SSID length is between 1 to 31 characters, the page will be posted to the web server successfully.

If nothing changed when “Submit” button is clicked, the page will keep unchanged, but still post the content to the web server. Otherwise, after submitting, page will jump to the Wait Page, and the device AP is going to restart with new settings.

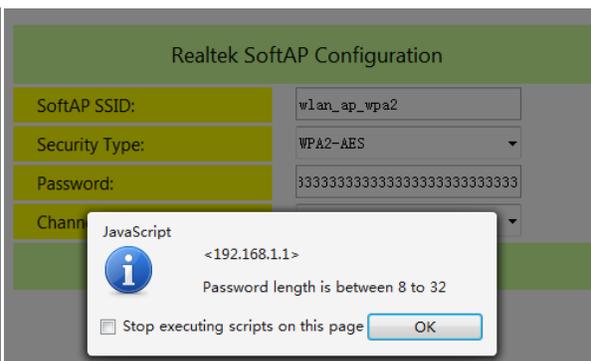
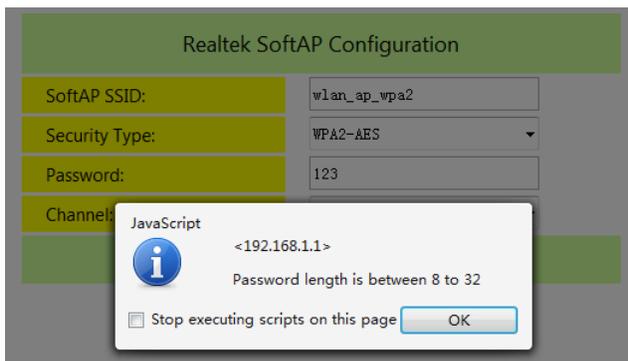
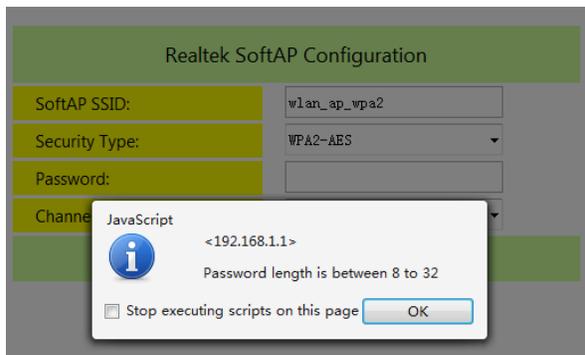
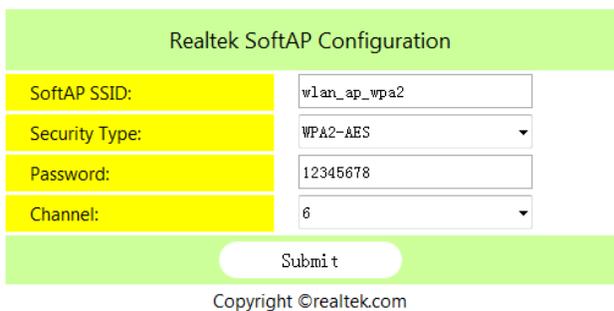


3.2 Page of WPA2

When “Security Type” selected “WPA2-AES”, the web page is shown below.

When “Submit” button is clicked, string length of the input SSID and Password will be checked. SSID length should be between 1 to 31 characters and Password length between 8 to 31 characters.

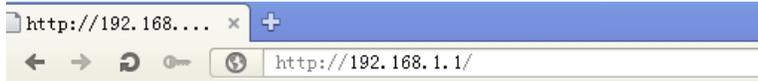
After submitting, page will jump to the Wait Page, and the device AP is going to restart with new settings.



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3.3 Page of Wait

The Wait Page is shown below. The AP will restart after about 3~5 seconds.



SoftAP is now restarting!

Please wait a moment and reconnect!