Atmel

APP USER GUIDER

Smart Plug with Wi-Fi

Rev.	Date	Description	Owner
0.1	2015-09-06	Created	Will

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1. Build System

1.1 Components for set up

The components in Table 1-1 are necessary to perform all functions of the SmartPlug.

Table 1-1. Components for kit setup

Component	Function
SmartPlug Kit	SmartPlug assembled with Power Supply Board, MCU Control Board, and Touch Board Running at the 110V/220VAC and 50/60Hz frequency Supply AC Power to other equipment by ON/OFF by Local Touch Button or WIFI via APP
WiFi Router	Communicate between the Tablet or Smartphone and SmartPlug Kit
Tablet or Smartphone based on the Android System	Control the kit using APP
APP	The APK for SmartPlug runs in the 4.2 or above version of the Android System

1.2 Power supply

The kit is powered from an AC line in the voltage range 85VAC and 264VA with 50/60Hz frequency. It can supply max 10A current to other equipment by Output Socket.

1.3 LED Indication

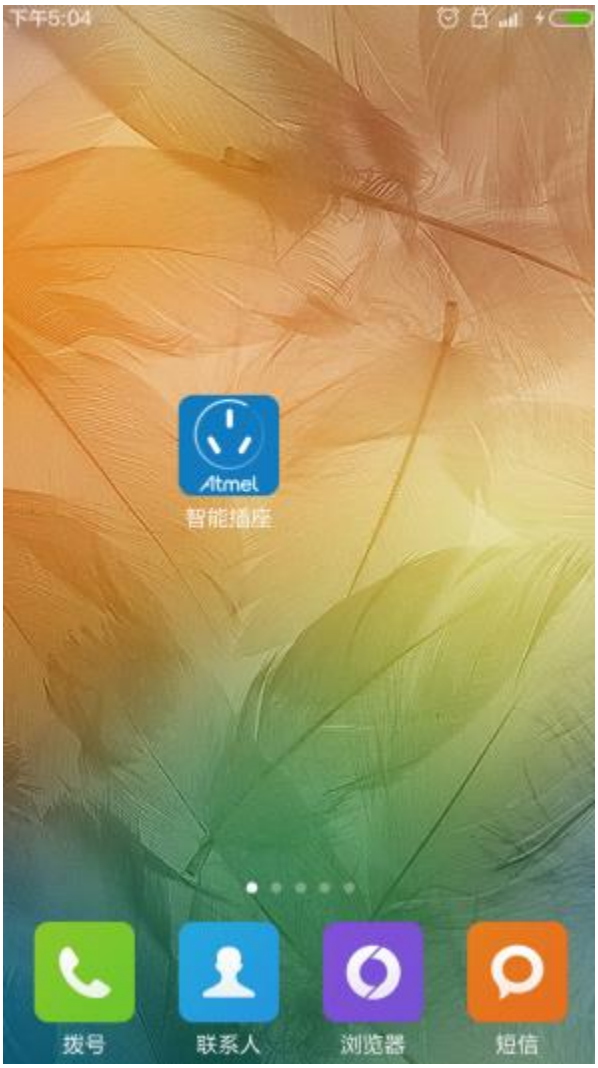
On the kit, there have two LEDs Green/Red to indicate the ON/OFF Power status, and three LEDs Green/Red/Yellow to indicate the Wi-Fi working status of the kit.

Table 1-2. LED Indication

Component		Function
Power ON/OFF	GREEN	OFF
	RED	ON
WiFi Status	Yellow blink	Plug in SoftAP mode, not connected (waiting for Phone to connect)
	Yellow	Plug in SoftAP mode, connected to a phone (during this period, Phone App sends SSID/password to plug)
	Green blink	Plug in STA mode, connecting to home Access Point (AP)
	Green	Plug in STA mode, connected to home AP, connection is good
	Red	In error state

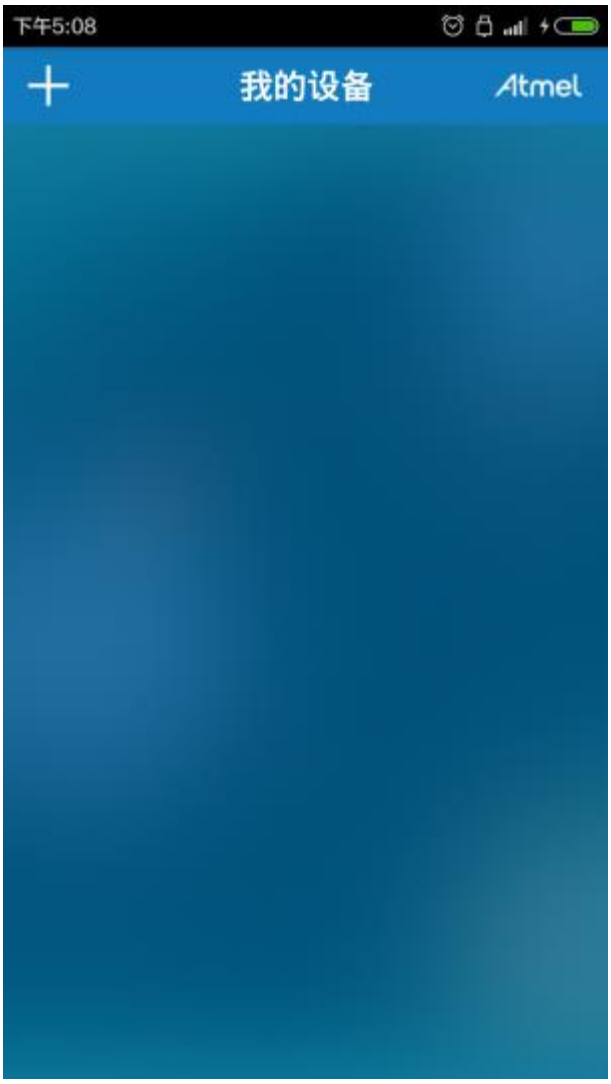
1.4 Build the connection between the Tablet or Smartphone and SmartPlug

1.4.1 Install the Atmel APK for SmartPlug on the Tablet or Smartphone based on the 4.2 or above version Android System.



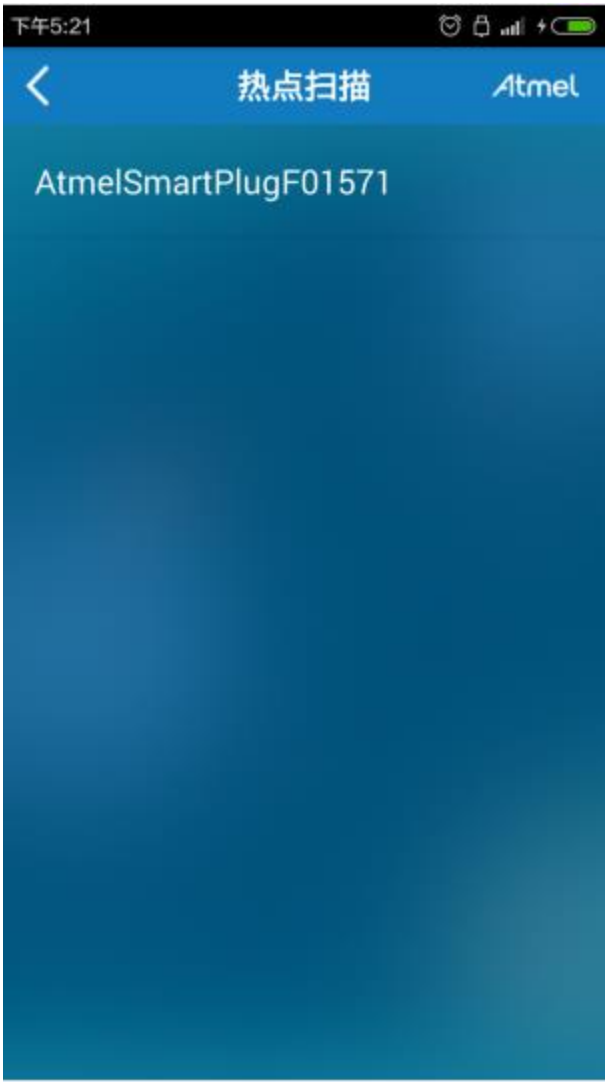
1.4.2 Connect the Tablet or Smartphone to the used the Wi-Fi Router via Wi-Fi.

1.4.3 Power on the SmartPlug kit, touch the touch button more than 5s, the device run into the STA mode, and the Green LED blink. Open the APP on the Tablet or Smartphone.



1.4.4 Touch the “ ” and “ 添加新设备 ” to add the SmartPlug to the system

1.4.5 Find the new equipment and touch it “ AtmelSmartPlugF01571 ” to configure the connection.


下午5:21
热点扫描
Atmel
AtmelSmartPlugF01571

下午5:31
添加新设备
Atmel
型号: 智能插座
名称: AtmelSmartPlugF01571
SSID: 点击选择热点
密码: 请输入密码
添加

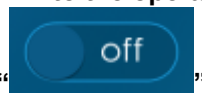
1.4.6 **Touch the “**

” to choose the connected the used WLAN by Tablet or Smartphone, and input the password of the WLAN, and then touch the “

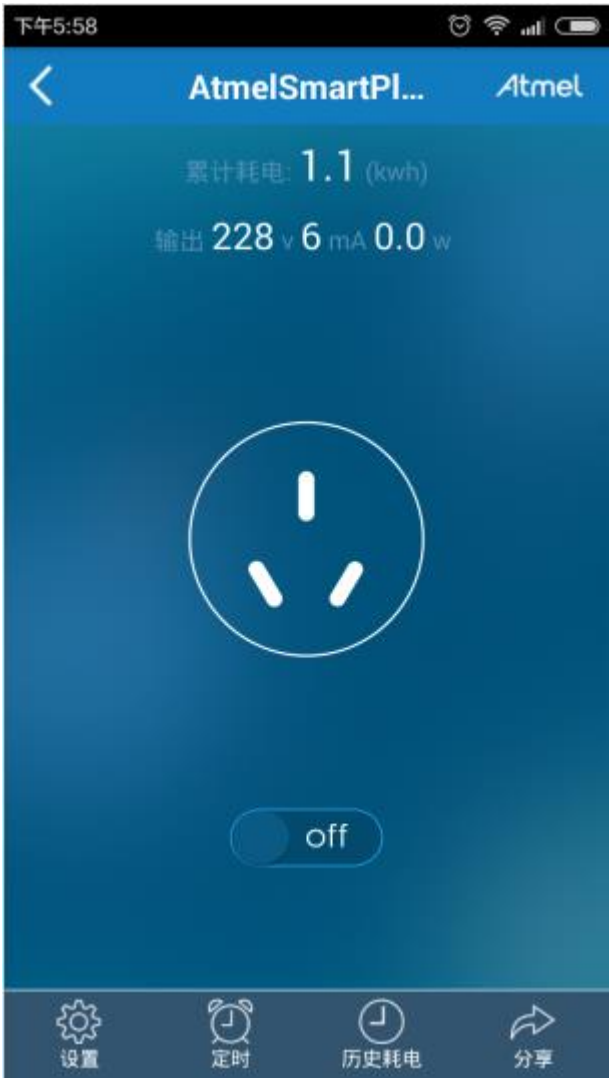
” to add the device to the control system. If the add the device success, it will show “

” at the my device page.

1.4.7 **Touch the added device, “**

”, and run into the operating interface to obtain the parameters of the SmartPlug, also can touch the ON/OFF “ 

” icon to control the SmartPlug ON/OFF.



FCC Statement

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

1) this device may not cause harmful interference, and

2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1) Reorient or relocate the receiving antenna.

2)Increase the separation between the equipment and receiver.

3)Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

4)Consult the dealer or an experienced radio/TV technician for help.

The distance between user and products should be no less than 20cm

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