IoTManager APK User Guide

Version: 0.94

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Document Revision History

Revision	Date	Author	Description
0.9	2014-1-28	Arron.wang	Draft version
0.93	2014-2-25	Arron.wang	Add device discovery， add control password
0.94	2014-3-17	Arron.Wang	Add internet control path
V0.09	09.20.2014	xThinkLab	Translate into English.

Table of Contents

1 Introduction

The APK contains SmartConnection function of Mediatek and control method for IoT device.
Support Android 4.0 or later .

2 SmartConnection

2.1 operation steps

1. Connect to an AP(access point) which can support some authentications just like , open、WEP、WPA2-PSK.

2. Open IoTmanager application ,you will see the SmartConnection screen .It will show you SSID of connected AP:

3. Enter AP password manually,if authentication is not in OPEN authentication method.

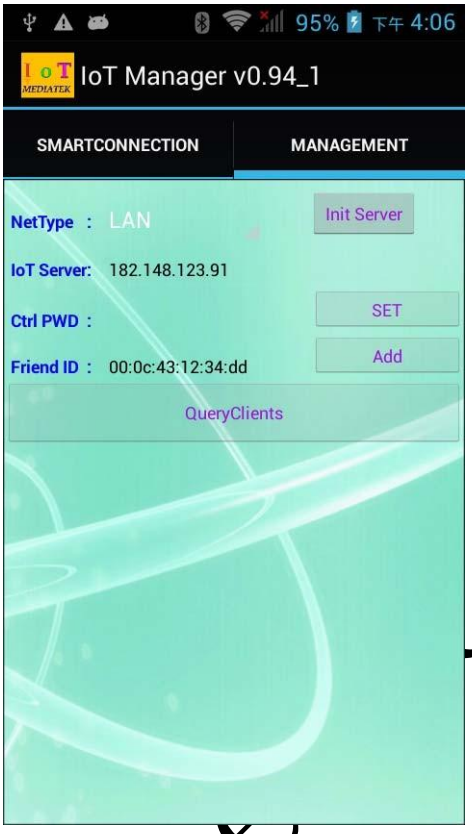
4. Click “Start” button ,start to send the SmartConnection messages.

5. Click “Stop” button ,stop transmitting of SmartConnection messages.

3 Management

3.1 operation steps

1. Click “managerment” label , you’ll see the screen as follow:



2. Select net type:

   a. LAN:local area network(No need the IoT Server configuration and Friend ID)

   b. WAN:wide-area networking(Enter IP address of IoT Server , add the Friend ID manually. Friend ID is the MAC address of IoT device)

3. LAN control

   a. Click “Init server” button to initialize the controller.

   b. Got the IP address ,then Click “QueryClients” button,you will see the IoT device list .

   c. the screen will show all the IoT devices together with IP address ,if not only one IoT device in your LAN.

4. WAN control

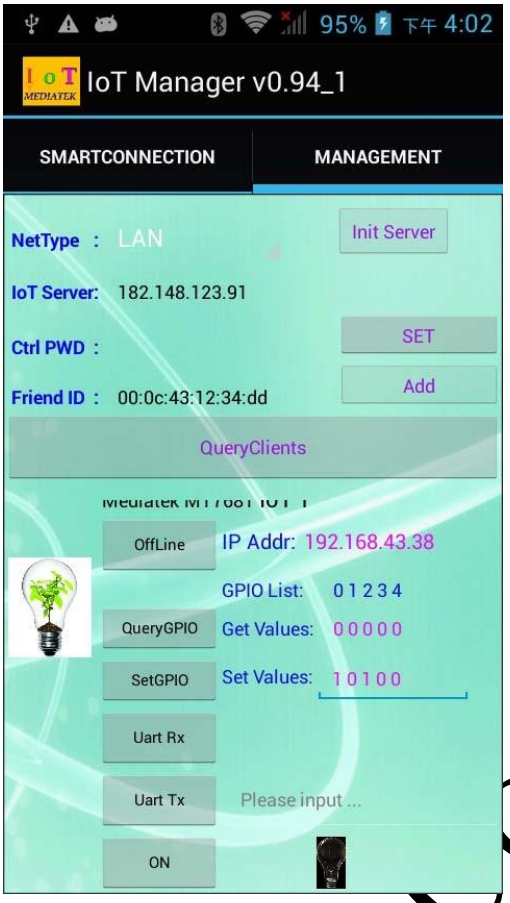
   a. Enter the IP address of IoT server.

   b. Click “Init server” button to initialize the controller.

   c. Enter MAC address in Friend ID column,you can add more Friend ID in the same way.

5. Click “queryGPIO” button ,query the supported GPIO List for current IoT device .for example ,the GPIO List like below “0 1 2 3 4” mean that we can control the level of “GPIO0/GPIO1/GPIO2/GPIO3/GPIO4”.

6. Click “SetGPIO” button and set GPIO value .For example ,the setting of “1 0 1 0 0” (the two numbers separated by a space) means that output level of GPIO0 is 1,GPIO1 is 0,GPIO2 is 1,GPIO3 is 0,GPIO4 is 0.



7. Click “Uart Tx”,the string you entered will be sent to IoT device .

8. Receiving string from IoT device ,as long as you click “Uart Rx” button .(Not support yet)

9. Click “ON” button then set PWM value (Not support yet)

10. Ctrl password set

    a. The ctrl password column is empty at the beginning . Click the set button once you have searched some device .

    b. Enter ctrl password when you have searched IoT device ,for example 1234,then click “set”,the ctrl password will be set into IoT device .

11. Click offline button of corresponding IoT device, the IoT device will enter into Init state .