Android Bluetooth Config APP User Guide

Date: 2017/04/25

Version: 1.1

This document is subject to change without notice. The document contains Realtek confidential information and must not be disclosed to any third party without appropriate NDA.

Change History

Version	Data	Digest
1.0	2017-01-19	Introduce *Bluetooth Config* Android app usage.
1.1	2017-04-25	Display classic BT device only when DUT response classic BT and BLE.

Contents

1 Android Bluetooth Config APP user guide

1.1 How to install Bluetooth config ipa on Android device

BTConfig.apk
APK 檔案
653 KB

Transfer the APK via USB

1. Connect the Android device to the laptop/workstation with the USB cable. The device should raise the *USB connected* notification. The laptop/workstation should respond by showing the device as an external storage device.

2. On the laptop/workstation:
   - Open the external storage device. There should be a folder (directory) called *download* in the device
   - Copy the APK file into the *download* folder
   - Disconnect the external storage device

3. On the Android device:
   - Start the File Manager app
   - Navigate to the SD Card (also known as External Storage)
   - Scroll down the SD Card directory to find the download folder
   - Navigate into the download folder
   - The APK file should be there
   - Press the APK file to start the installation

1.2 Realtek Bluetooth Config Procedure

1.2.1   Bluetooth Operation (scan and connection)

1) Click the app icon " "of Bluetooth Config to lauch it .If the Bluetooth is not enabled, it will give a warning message (as Figure1) to remind user to enable Bluetooth.
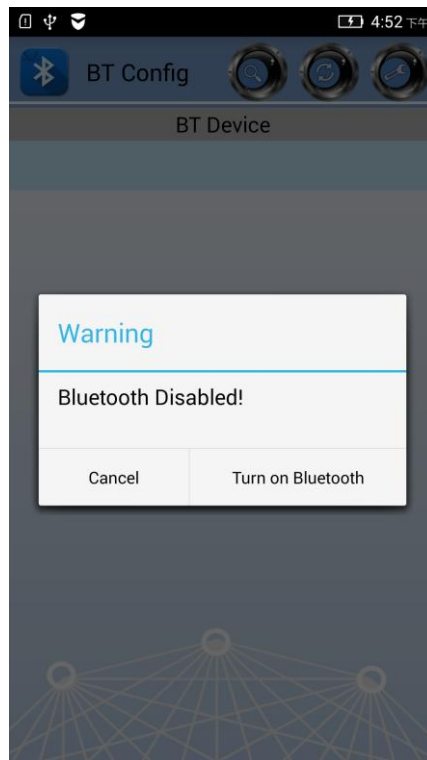
Figure 1

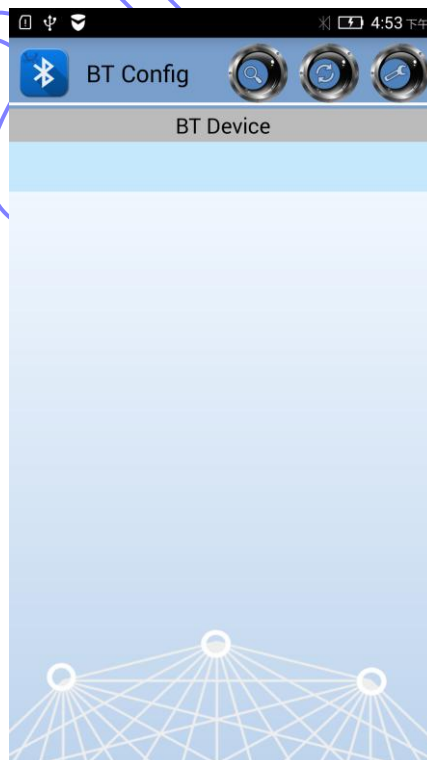2) After Bluetooth setting has been enabled, please click the button to scan Bluetooth device around (as Figure 2)

Figure 2

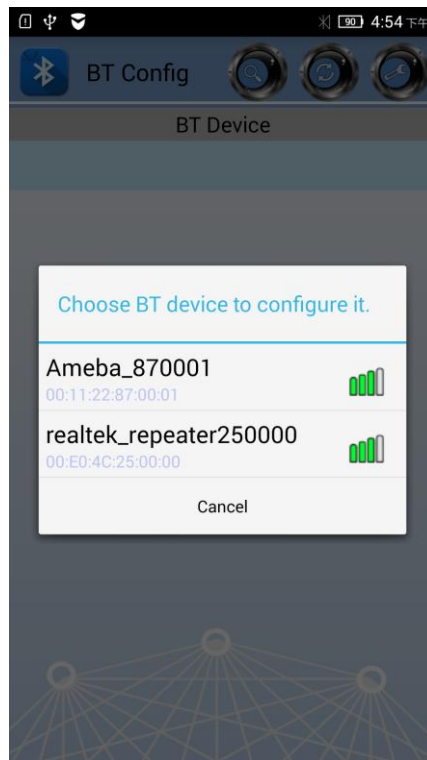3) If Bluetooth device has been found, the scan result will be displayed (as Figure 3)

Figure 3

4) Select the corresponding realtek's wifi client for Bluetooth pairing and connection(as Figure 4).
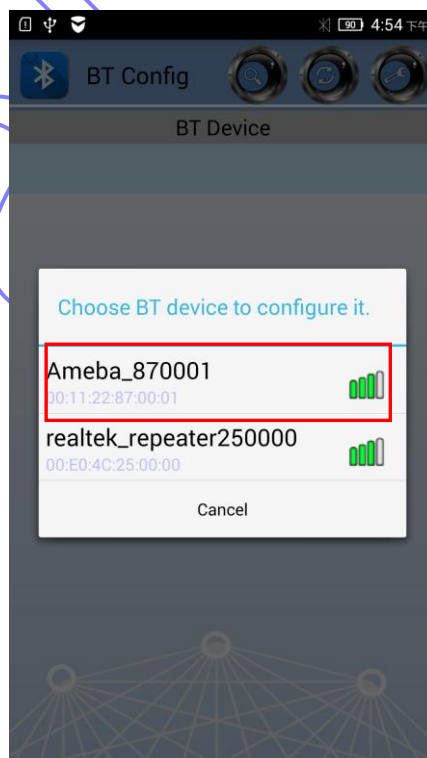

Figure 4

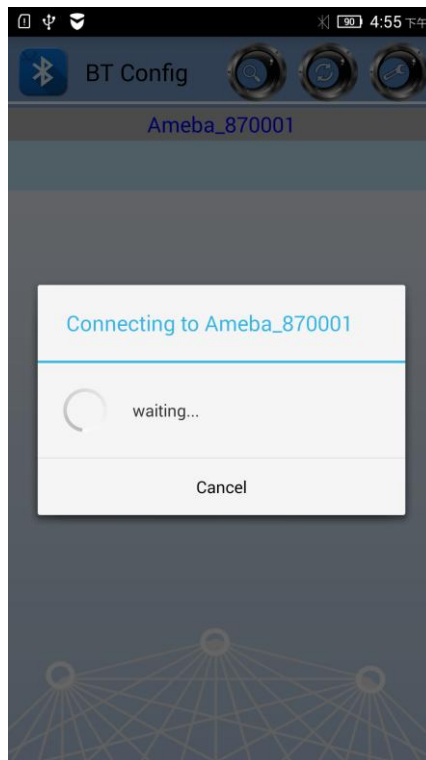- Android device starts to connect with Bluetooth device (as Figure 5)

Figure 5

1.2.2 WiFi Operation(scan, connection and position detection)

1) If Android device has connectted to Bluetooth device successfully, it will scan the Wifi AP list automatically (as Figure 6) at the first time entering.
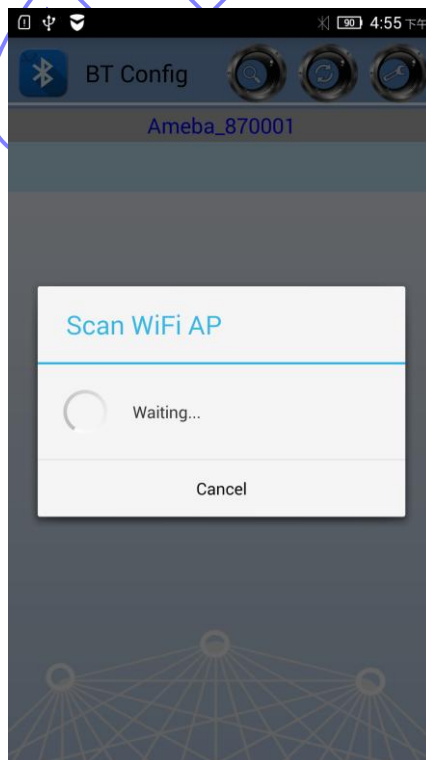

Figure 6

2) The scan results will be shown as Figure 7 after the scan progress finished. Please click "OK" to display WiFi AP list.
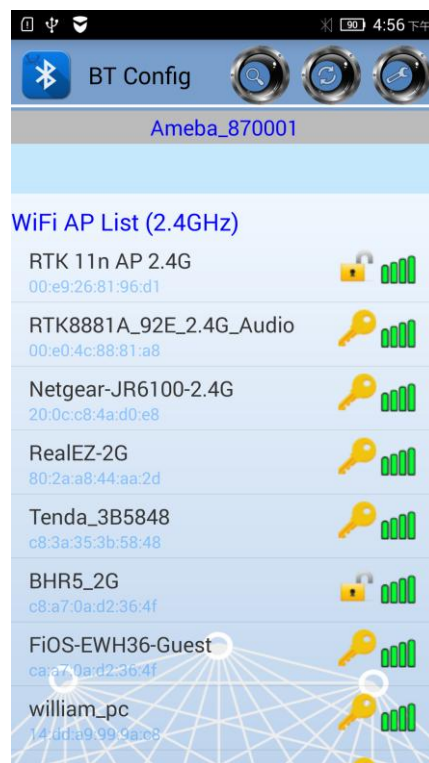

Figure 7

3) Select one SSID in WiFi AP list(as Figure 8), a dialog will popup to notify user to input the WiFi password. After finishing input the WiFi password (as Figure 9), please press the "Next" button to start the realtek's wifi device connection with the selected AP.
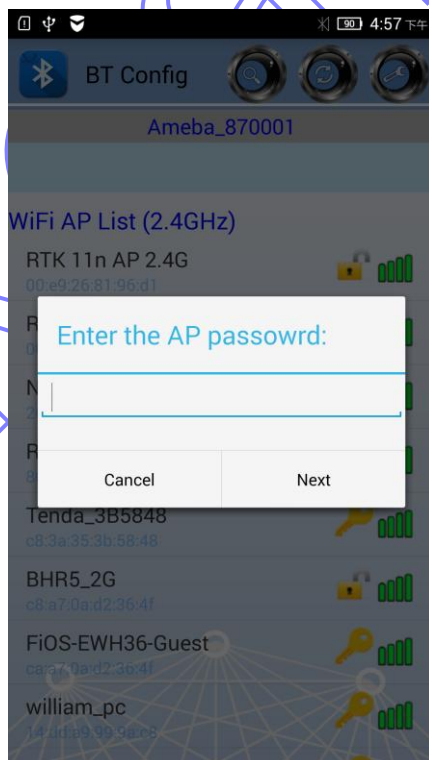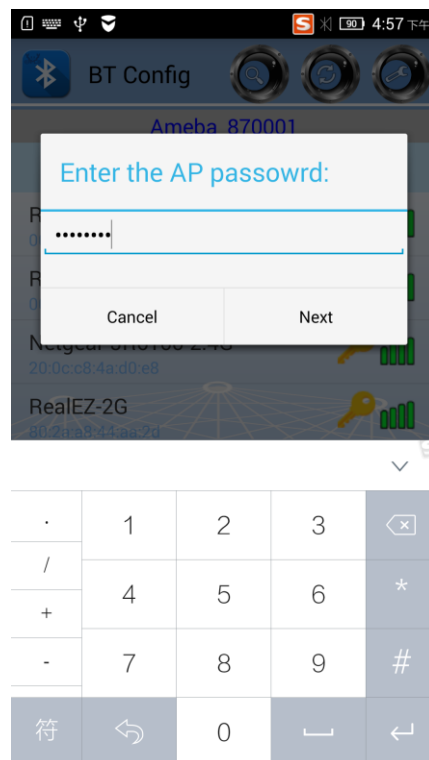

Figure 8   Figure 9

4) Due to realtek's wifi client connects to remote ap need taking a while, the waiting dialog will be displayed as Figure 10, user can cancel the current wifi connection by press the "Cancel" button
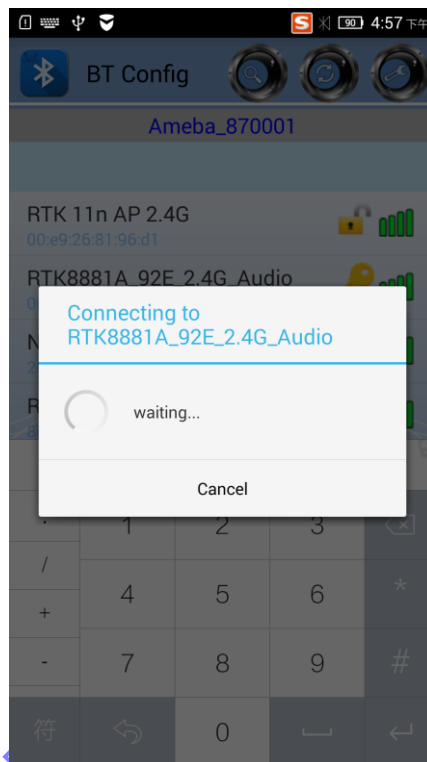

Figure 10

5) After realtek's wifi client has connected to remote AP successfully, the connect status is shown as Figure 11
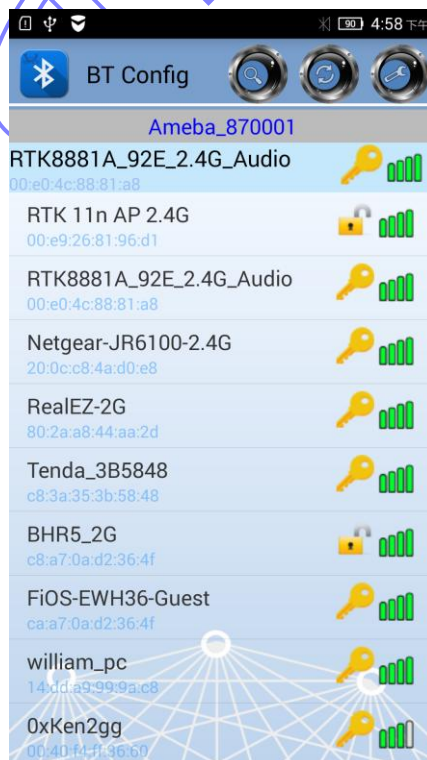

Figure 11

6) Bluetooth config app will check the RSSI between realtek's wifi device and remote AP, and suggest user to move realtek's wifi client to appropriate location.

Realtek's wifi client is too far from AP, the notification dialog as Figure 12. User can choose to adjust wifi client's position to AP or abandon the adjustment.
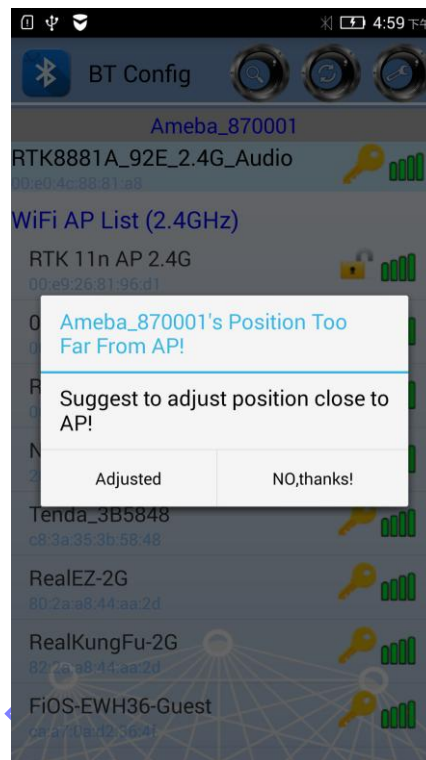

Figure 12

Note: If user needs power off realtek's wifi client, and moves it to another power socket, APP also will wait realtek's wifi client on-line again.

1.2.3 Other Operations and Behaviors

If the realtek's wifi client has been configured successfully once, the Bluetooth profile will be automatically saved, when run this app again, a reminding message will be shown to notify user to use the saved Bluetooth profile or select new Bluetooth device as Figure 15.
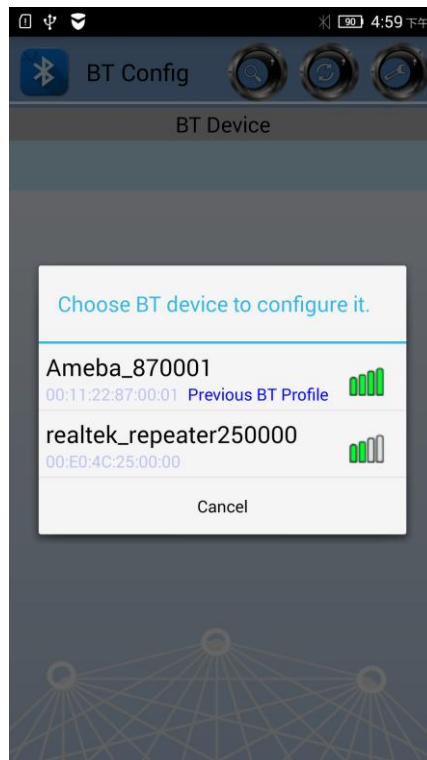
Figure 15

User can choose to use saved Bluetooth profile or select others manually.