



## Nordic BLE APP 简要使用说明

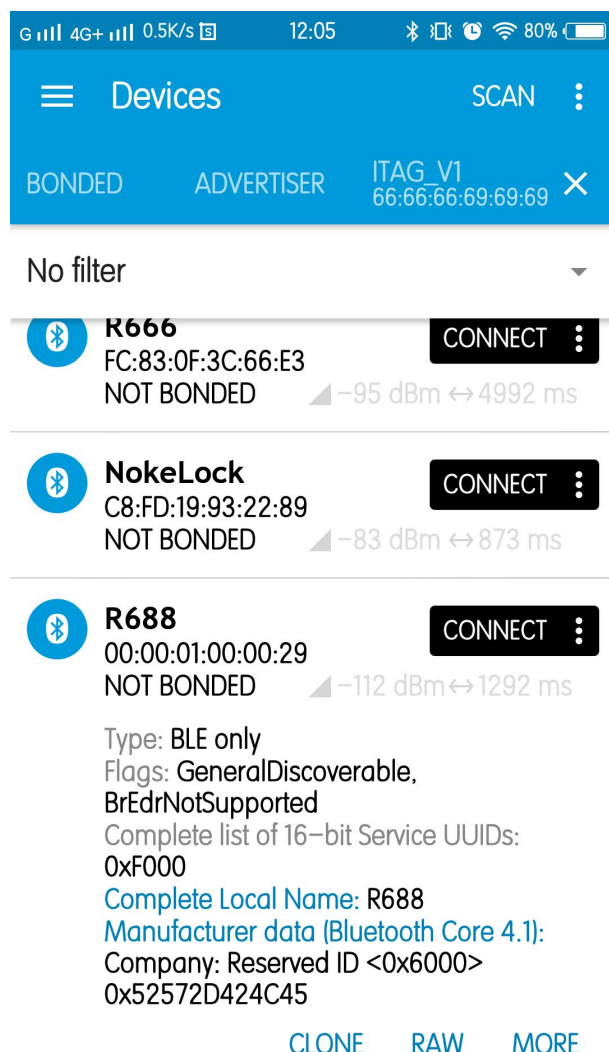
一、从官方网站或安卓市场下载 **Nordic BLE APP** 并安装。

Nordic mobile Apps

Bluetooth low energy Mobile Apps for iOS, Android and Windows Phone.

App	Brief Description	iOS	Android	Windows Phone
Nordic Thingy:52	An application for Nordic Thingy:52 IoT Sensor Kit	X	X	
nRF Beacon	An application that lets you explore the full range of possibilities for beacons using <i>Bluetooth®</i> low energy technology	X	X	
nRF BLE joiner	An app designed to commission Bluetooth low energy IPv6 IoT nodes to a network		X	
nRF Connect for mobile	An application that allows you to scan for Bluetooth low energy devices and communicate with them	X	X	
nRF Toolbox	A container app that works with a wide range of the most popular Bluetooth low energy accessories, also including over-the-air Device Firmware Update	X	X	X

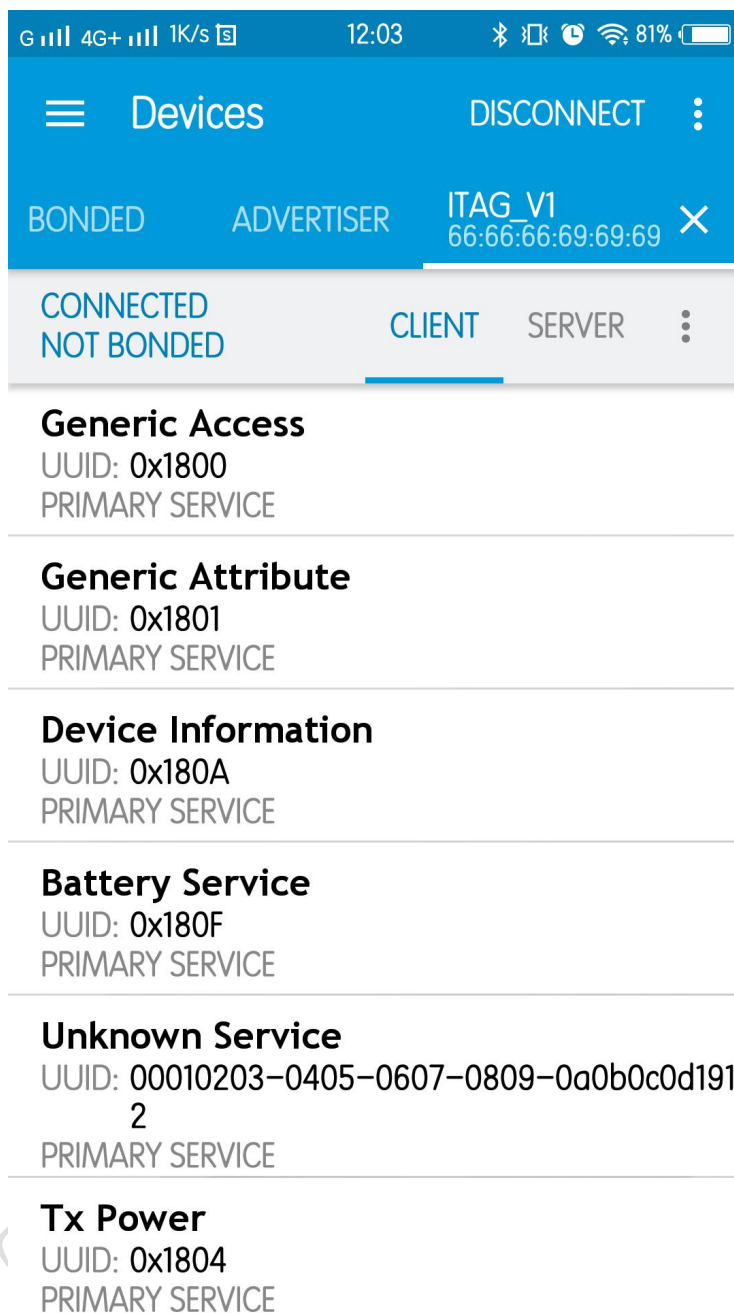
二、安装完成后在手机上运行 Nordic BLE，会进入主界面，若设备处于正常工作中，会在主屏



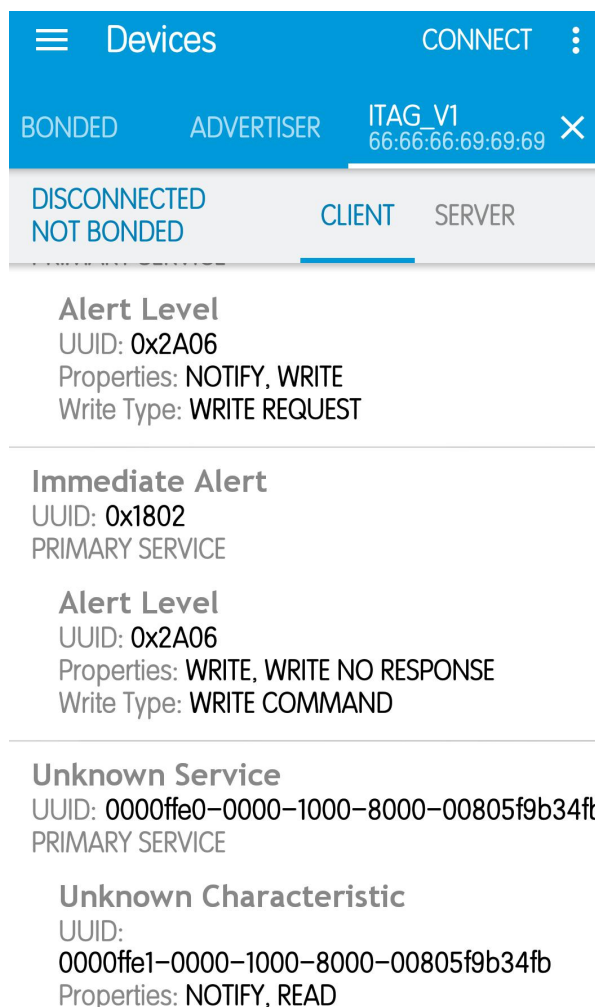
幕上显示右边界面:

点击文件名“R688”所示区域，我们可以看到关于此设备的广播信息：1.设备只支持 BLE 类型  
2.普通发现模式，双模蓝牙不支持，完整的 UUID 服务列表是 0xF000,完整的设备名：R688

三、点击搜索列表中的设备名，本例中是“ITAG\_V1”，注意，当下面界面出现时，蓝牙已经连接成功(右上角图标显示 DISCONNECT，)，蓝牙 LED 指示灯会常亮。设备开启的服务会以黑体列举在界面中。



四、点击右上角 DISCONNECT 之后，会进入到如下界面,原本的”DISCONNECT”变为了”CONNECT”.此时，设备开启的服务名会以灰色列举在界面中。



五、上图显示的特征属性 0xFFE1 权限为 Read, Notify, 点击 0xFFE1, 会进入到读取值界面。与 LightBlue APP 相似, 此处不详解。

六、此处介绍下 NordicBLE APP 的特殊功能: 1. 广播包解析: 点击图 1 下方展开的设备广播解析段, 其中解析段最下方出现 CLONE (可以复制当前设备的广播包信息), RAW (解析当前设备的广播包信息), MORE (显示设备在一段时间以内的信号强度状态和其他信息) 分别显示如下。



### Raw data:

0x020106030300F00709523638380000  
009FF006052572D424C45



### Details:

LEN.	TYPE	VALUE
2	0x01	0x06
3	0x03	0x00F0
7	0x09	0x523638380000
9	0xFF	0x006052572D424C45

LEN. – length of EIR packet (Type + Data) in bytes,  
TYPE – the data type as in <https://www.bluetooth.org/en-us/specification/assigned-numbers/generic-access-profile>

OK

0xF000

Complete Local Name: R688

Manufacturer data (Bluetooth Core 4.1):

Company: Reserved ID <0x6000>

0x52572D424C45

CLONE

RAW

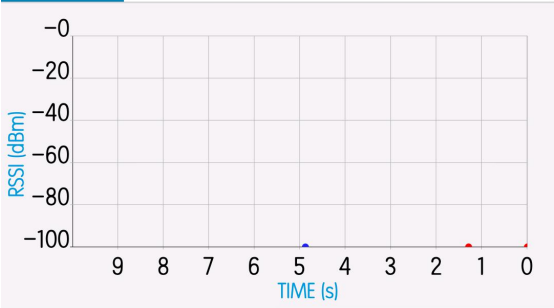
MORE



4G+ 12:06 80%

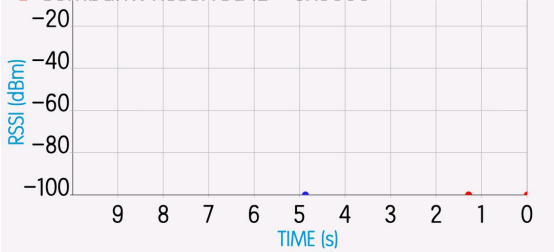
R688

HISTORY

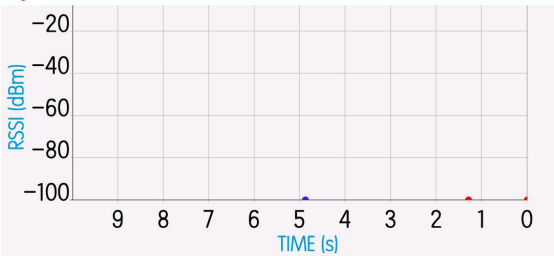


Flags: GeneralDiscoverable, BrEdrNotSupported  
Complete list of 16-bit Service UUIDs: 0xF000  
Complete Local Name: R688  
Manufacturer data (Bluetooth Core 4.1):  
Company: Reserved ID <0x6000>

Adv. Interval  
1292 ms



Company: Apple, Inc. <0x004C>  
Type: Beacon <0x02>  
Length of data: 21 bytes  
UUID: e2c56db5-dffb-48d2-b060-d0f5a71096e0  
Major: 256  
Minor: 512  
RSSI at 1m: -59 dBm



- 12:03:10.966 -107 dBm
- 429 ms
- 12:03:10.536 -103 dBm

Flags: GeneralDiscoverable, BrEdrNotSupported  
Complete list of 16-bit Service UUIDs: 0xF000  
Complete Local Name: R688  
Manufacturer data (Bluetooth Core 4.1):  
Company: Reserved ID <0x6000>  
0x52572D424C45

Adv. Interval  
N/A

- 12:02:58.139 -100 dBm