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How to use HID over GATT on RN4870/4871

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AkiraKashihara

 Tuesday, February 28, 2017 8:21 PM [\(permalink\)](#)


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How to use HID over GATT on RN4870/4871

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```

SF,1 //factory reset
SDA,03C1 //GAP is Keyboard
PS,180F //Add Battery Service
PC,2A19,02,01 //Add Battery Level characteristic
PS,180A //Add Device Information Service
PC,2A50,02,07 //Add PnPID characteristic
PS,1812 //Add HID Service.
PC,2A4B,02,02//Report Map
PC,2A22,12,08//Boot keyboard input characteristic
PC,2A32,0E,08//Boot keyboard output characteristic
PC,2A4A,02,04//bcdHID,bCountryCode,Flags = (2,1,1) total 4 byte
PC,2A4C,04,01//p21参照 (HID Service specification)
SHW,(battery handle),20 //battery level is 0x20
SHW,(PnPID),013A5B2A6B8C90 //PnPID, 01(key),3A5B(Vendor ID),2A6B(Product ID),8C90(Product Version)
SHW,(Report Map),2A22 //Report Map, referenced characteristic is Boot keyboard input
SHW,(input report),0000000000000000 //default 0. (Boot Keyboard Input)
SHW,(output report),0000000000000000 //default 0.(Boot keyboard output)
SHW,(HID Infomation),01100003 //bcdHID = 0x0110(v1,10), bCountryCode = 0x00, Flags = 0x03.

SHW,(HID Control Point),01 //Exit suspend

```

#1

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