How to Config HM-10、HM-11 UUID

一、 HM-10、HM-11 Default UUID value

Service UUID

0xFFE0

Characteristic 1 UUID

0xFFE1 （Read , Notify, Write_Without_Response）

二、 Config Service UUID value

Use AT+UUID command to change Service UUID

E.g. Change Service UUID to 0x1234, Send AT+UUID0x1234.

三、 Config Characteristic1 UUID value

Use AT+CHAR command to change Characteristic 1 value

E.g. Change Characteristic1 UUID value to 0x5678

Send AT+CHAR0x5678

四、 Config use two Characteristic UUID

Use AT+FFE2 command to config use two Characteristic UUID.

E.g. Send AT+FFE21 command, After reset module, module will use two characteristic UUID

Service： 0xFFE0

Char1： 0xFFE1 (Read Notify)

Char2： 0xFFE2 (Write Without Response)

Note: If you changed Characteristic 1 UUID value, then Characteristic 2 UUID value will be Characteristic 1 UUID value + 1.

五、 Config Characteristic properties

USE AT+RESP command to change Characteristic properties

AT+RESP0: Use Write_Without_Response property

AT+RESP1: Use Write property

六、 Examples

Example A

Service: 0xAAA0

Characteristic1: 0xAAA1 (Read Notify)

Characteristic2: 0xAAA2 (Write Without Response)

Please use those commands

AT+UUID0xAAA0 (Change Service UUID)

AT+FFE21 (Use two Characteristic UUID)

AT+CHAR0xAAA1 (Characteristic 2 UUID will be 0xAAA2)

At+RESP0 (use Write_Without_Response property)

Example B

Service: 0xFFF0

Characteristic 1: 0xFFF6　（ Read, Notify, Write ）

Please use those command

AT+UUID0xFFF0 (Change Service UUID)

AT+CHAR0xFFF6 (Change Characteristic UUID)

At+RESP1 (Use Write property)