

## **STEPS TO CONFIGURE BLUETOOTH AS MASTER USING FTDI232**

STEP-1) Interface the Bluetooth Module with the FT232 (USB to Serial Converter) as shown in Config\_Bluetooth\_ATComm.

STEP-2) Connect the FT232 to the USB Port of PC

After Connecting there will be a constant (POWER LED) on FT232 and a LED blinking quickly (twice in 1 second) on HC05.

STEP-3) If, FT232 driver software not installed, install it from (<http://www.ftdichip.com/FTDrivers.htm>)

STEP-4) Open the Serial Port on which FT232 driver is connected.

STEP-5) Master Configuration

1) Send **AT** Command. (**Before Pressing Enter Press the Small button above EN Pin on HC05 (for AT Mode)**)

Get a Reply as OK

2) SEND **AT+ROLE?**

Will get a reply as 0 or 1, 0=> Slave, 1=> Master

3) SEND **AT+ROLE=1** (Setting Module as Master)

4) SEND **AT+NAME=MASTER-HC-05** (Renaming the Module)

5) SEND **AT+NAME?** (Checking Name of the Module)

6) SEND **AT+CMODE=1** (Allows connecting to any address, Default CMODE is 0)

7) To bind another slave you need to bind with its MAC Address (48 bit address)

SEND **AT+BIND= 0124, 71, CE187D**

(Binding to the Slave module having MAC Address 01:24:71: CE: 18:7D)

8) SEND **AT+BIND?**

(Check all the Slave Bluetooth modules bound with the master)

Will return the MAC Address of modules which are bound

Send

OK  
+ROLE:1  
OK  
OK  
OK  
OK  
+NAME:MASTER-HC-05  
OK  
+BIND:21:13:12520  
OK