**Bluetooth Module Configuration**

How to set the mode to the server (master):

1. Connect PIO11 to a high level.

2. Power, the module into the command state.

3. Using baud rate 38400, send the “AT+ROLE=1\r\n” to the module, with “OK\r\n”

means setting successes.

4. Connect the PIO11 to a low level, repower the module, and the module works as a server

(master).

For **Command** **Mode** configure the **baud** **rate** 🡪 38400.

--> If we need to switch the module to Command state, first we must check that the HC-05 Module has a separate push button.

if the Module has the switch button for mode change, press the button during power-up time, and then it will change to command state, The LED will Blink for 2 sec once.

if it does have the mode change switch, pull up the EN pin in the Module to switch the device to the command state.

--> If the module is in a normal state then the Red LED blinks continuously.

**The AT commands should end with CRLF so use terra term for configure the device,**

--> The Terra team set the basic config to communicate with the Bluetooth Module.

**Copy the AT Command and paste it in terra term by following instructions**.

🡪 AT 🡪 This command is checked for Communication status.

🡪 AT+RESET 🡪 This command is reset the Bluetooth module.

🡪 AT+NAME? 🡪 This command checks the Bluetooth Name. If you change the Bluetooth name, use this command to change the Bluetooth module Name --> AT+NAME=<Param>, Param is Represent to Name.

🡪 AT+ PSWD? 🡪 This command checks the Bluetooth module Password, the default Password is "1234" If you want to change the Password, Use this Command 🡪 AT+PSWD=<Param>, Param is Represent to Name.

* In the Combi oven, The Bluetooth Module works with a 115200 Baud rate so we can change the Baud rate.

🡪 AT+ UART? 🡪 This command is used to check the Baud rate of the Bluetooth Module, we want to change the baud rate,

🡪So we will use this AT-Command **to change the baud rate**

🡪 AT+UART=<Param1>, <Param2>, <Param3>, Param1 represents: Baud rate, Param2 represents: Stop bit, and Param3 represents: Parity.

For Example, AT+UART=115200, 1, 0

Note:-

🡪If the Bluetooth module is properly not configured, it will create an issue like data is not sent properly between MCU and HMI.

🡪So please verify the Baud rate one or two times.

* If you have any Doubts Please refer to the HC-05 Bluetooth module Datasheet.