

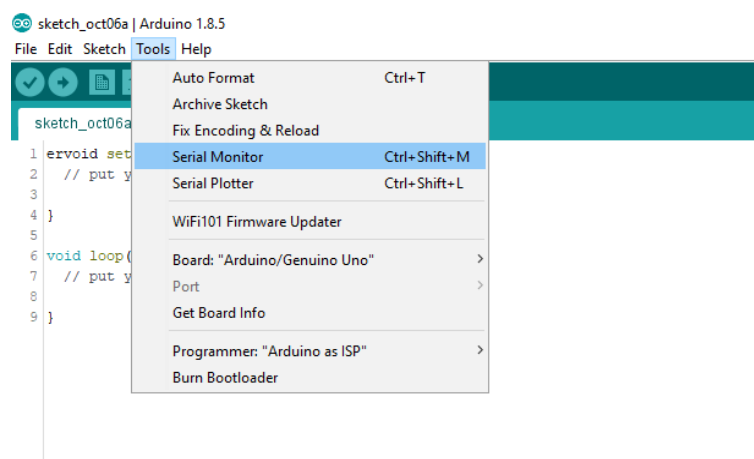
Procedure for Configuring HC-05 Bluetooth Module

Switching to AT Mode:

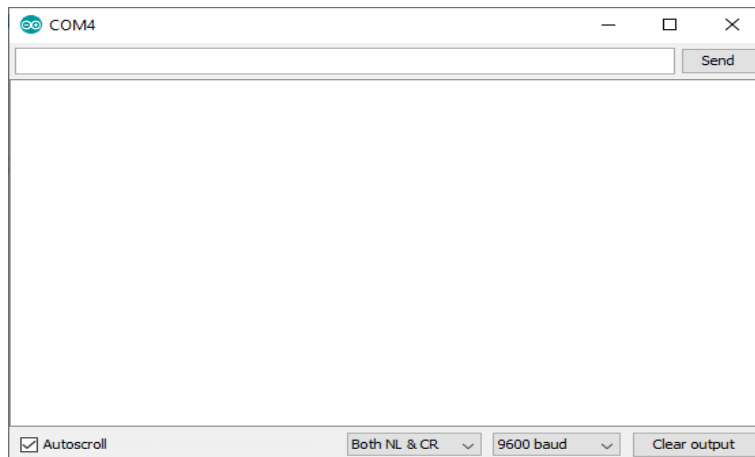
1. Remove the fuse from the Relay Module.
2. Upload the HC-05_AT_mode.ino sketch to arduino and remove the controller (AT328p) from arduino and place the IC into the Relay modlue.
3. Connect the HC-05 module to the Relay Module as per schematic.
4. Connect the jumper end of USB to serial converter to the Relay Module (ie to the Debug Connector) and USB end to the PC.
5. Connect the Power cable to the Relay Module as per schematic.
6. Press and hold the Mode switch button on the HC-05 modlue and simultaneously insert the fuse to power on the Relay module.
7. Now the LED in the HC-05 modlue will blink every 2 seconds indicating it is in AT mode.
8. Note: If HC-05 is in data mode, the LED blinks every 500 milliseconds.

Opening Serial Monitor:

1. In Arduino IDE, go to Tools -> Serial Monitor to open the serial monitor.

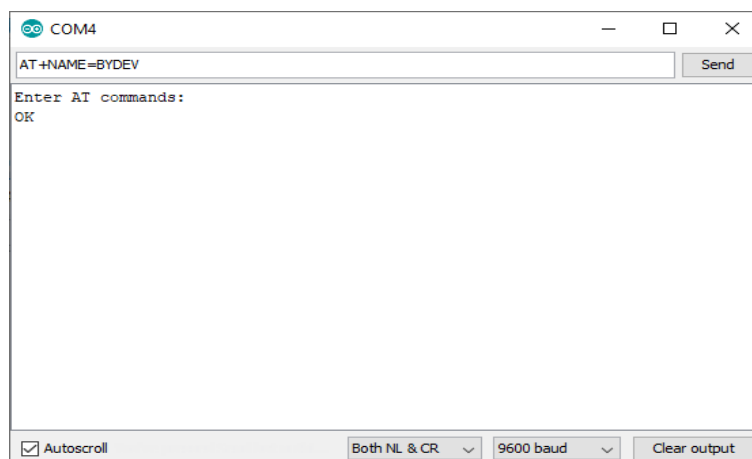


2. Change the serial monitor Settings as below,
Speed: 9600
Line Endings: Both CR & LF

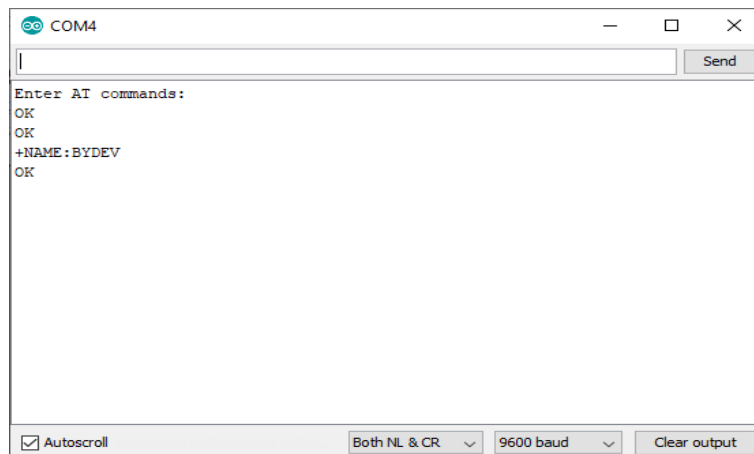


Changing Device Name:

1. Type **AT+NAME=BYDEV** to change the name to BYDEV, and HC-05 will respond with **OK**.

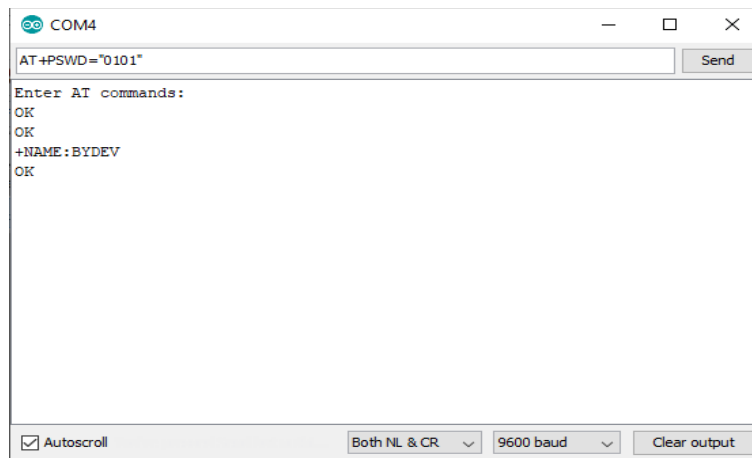


2. Verify the name change by typing **AT+NAME?**

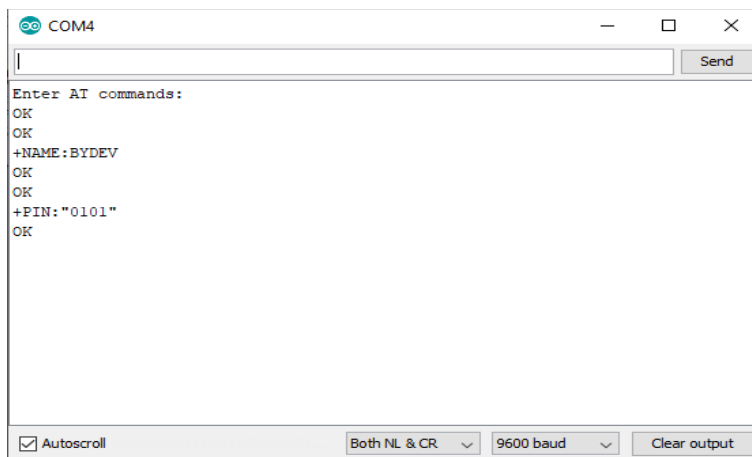


Changing Password:

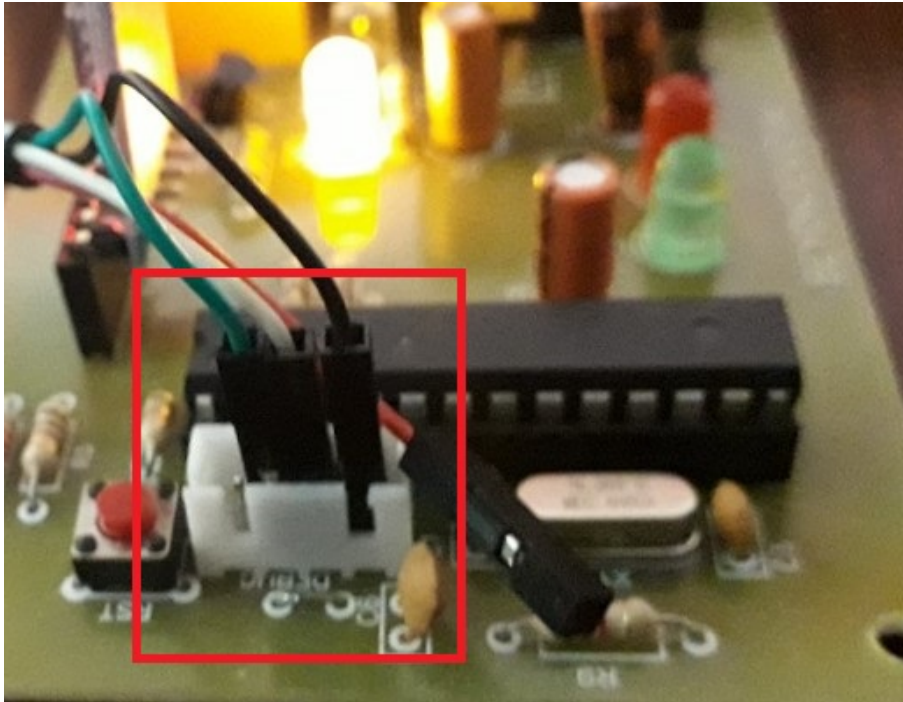
1. Type **AT+PSWD="XXXX"** to change the password to XXXX, and HC-05 will respond with **OK**.



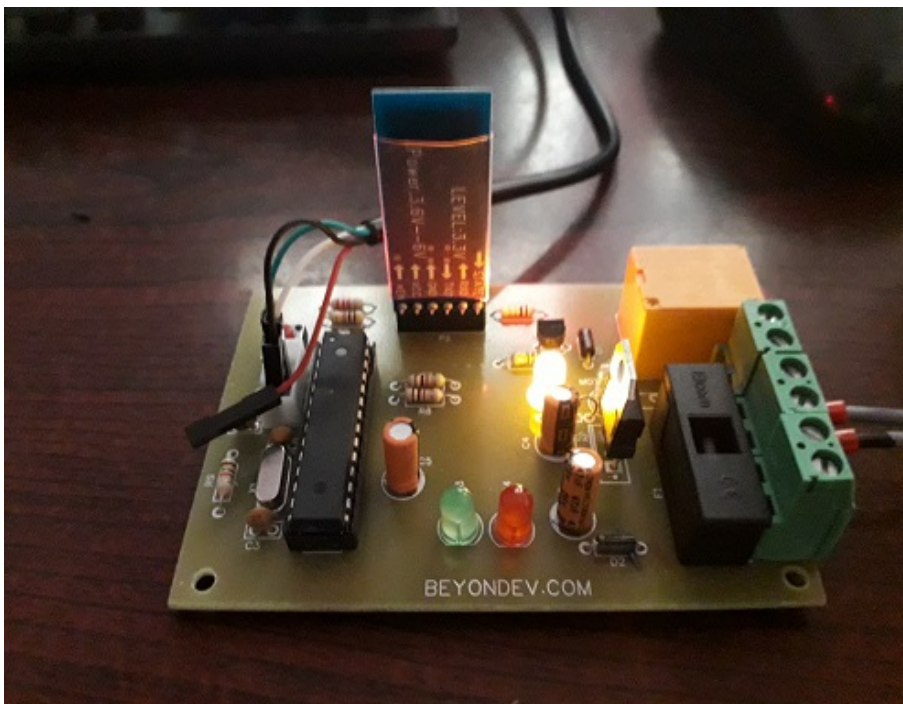
2. Verify the password change by typing **AT+PSWD?**.



Relay Module Pictures



Debug Port Connection



Bluetooth Module orientation