

Arduino BT communication and program upload

Upload a sketch without any serial communication to the Arduino, then unplug USB.

Connect the Arduino with HC-05, with rx-rx and tx-tx to allow USB-serial comm with HC-05.

Press the switch on HC-05, connect USB. The led on HC-05 shall blink slowly.

Start Arduino terminal: settings 38400, NL+CR

Check communication AT (→ OK)

(AT+ORGL set default)

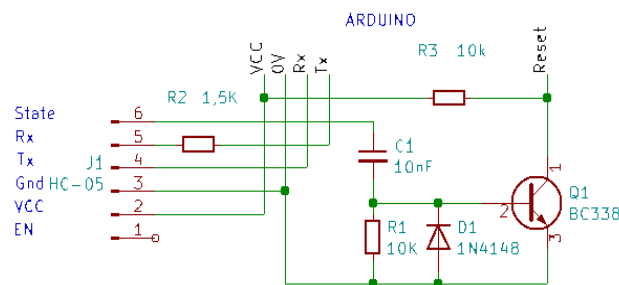
Change baudrate AT+UART=115200,0,0 (→ OK)

Disconnect USB, change rx-tx tx-rx to allow Arduino comm with HC-05)

Ready for Arduino BT communication with HC-05 as a server.

If you want to do a program upload over BT, add the following circuit.

Fig: Arduino reset for program upload.



Simpler reset circuit. Invert state pin function to use this:

AT+POLAR=1,0

