



G15 GUI

User Manual

V1.0

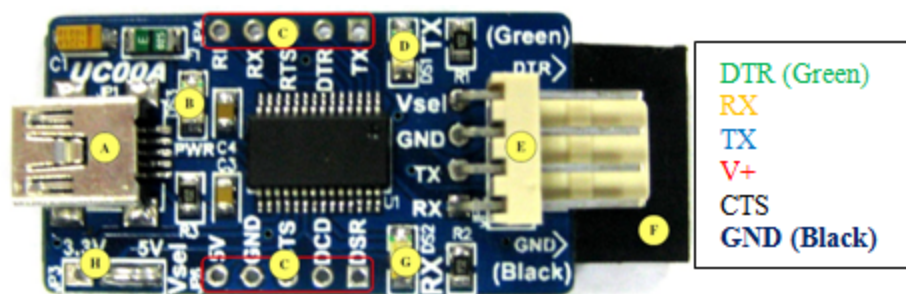
Jan 2013

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Connection between USB to UART Converter (UC00A/UC00B) to G15 Driver/ Cytron G15 Shield

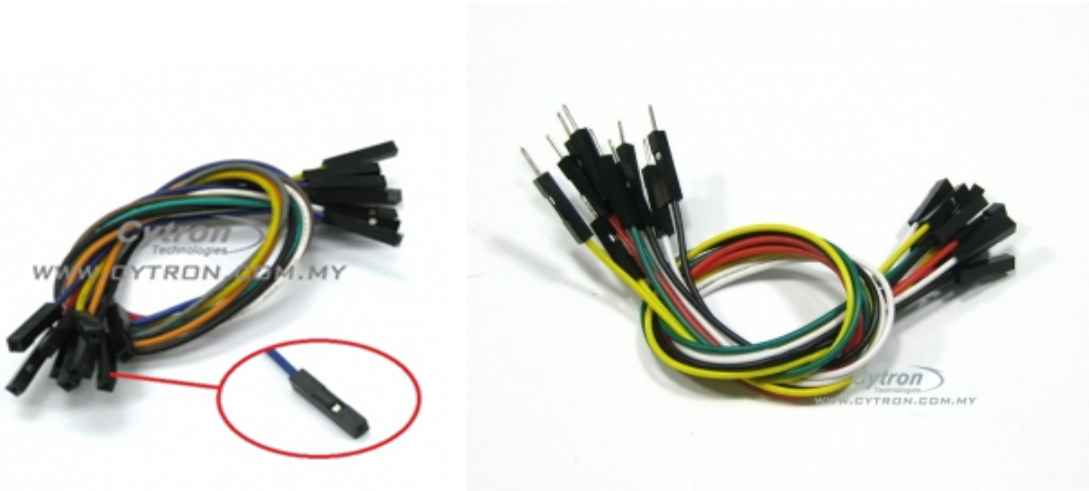
UC00A/UC00B	G15 Driver/ Cytron G15 Shield
V+ (5V/3.3V)	V+ or 5V
GND	GND
TX/TXD	TX
RX/RXD	RX
DTR	CTRL

UC00A/UC00B Pin Diagram

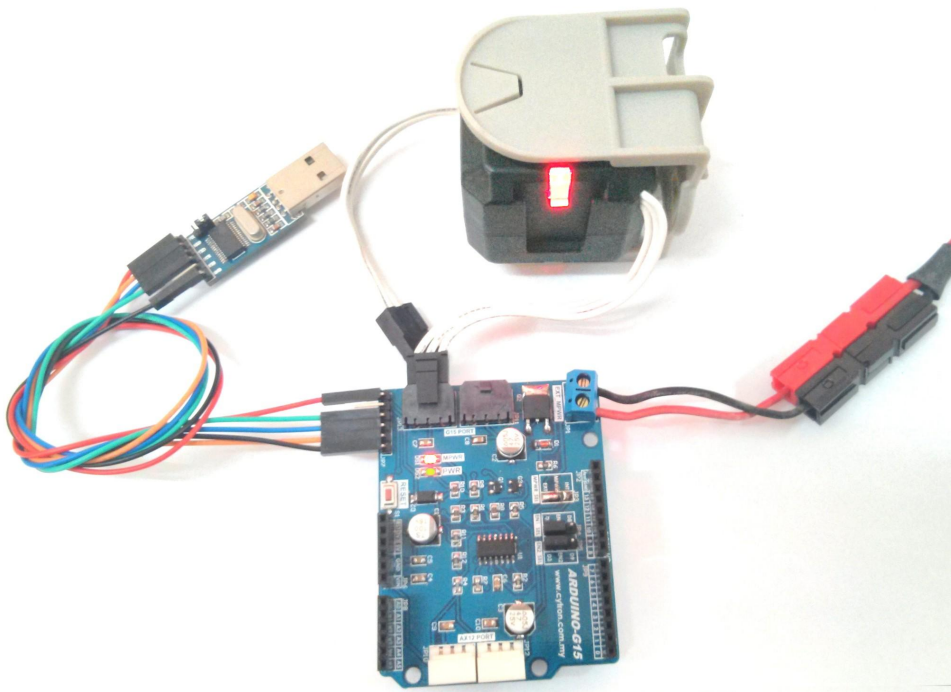


Sample Connections

Jumper wires (female to female or male to female) can be used for the connections.



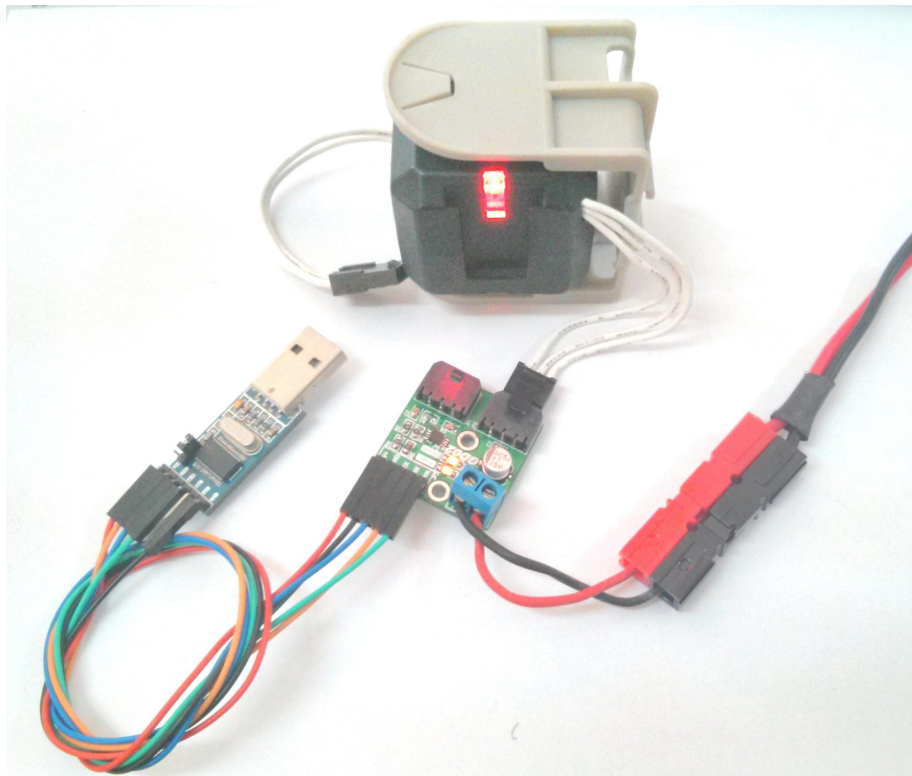
Connection to Cytron G15 Shield:



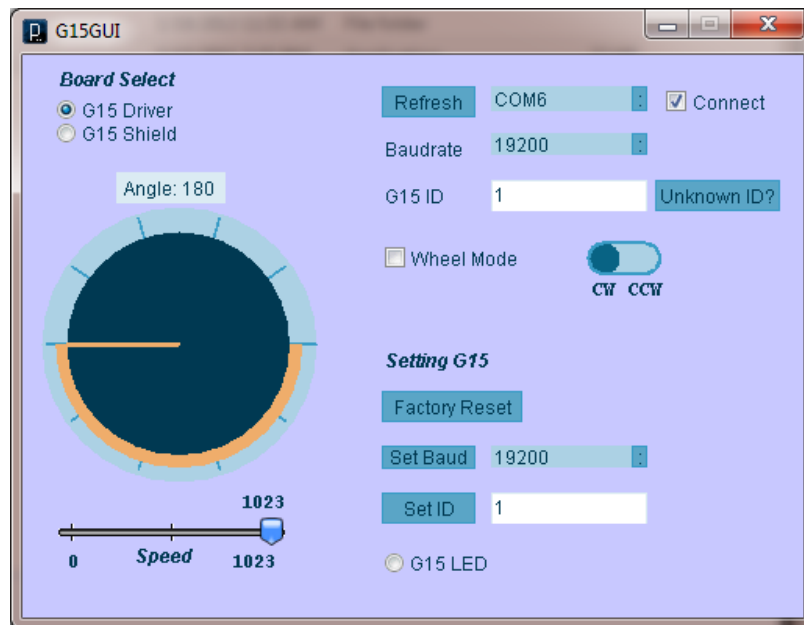
G15 Shield is selected in GUI:



Connection to G15 Driver:



G15 Driver is selected in GUI:



G15 GUI Description:



A	Board Select to select either G15 Driver or G15 Shield.
B	Angular position of G15 Cube Servo
C	Knob to control or set the angular position of G15
D	Slider to set the speed of G15
E	Select the serial COM port created by UC00A/UC00B. Tick the Check Box to connect to the selected COM port in drop down list.
F	Drop down list to select the communication baud rate.
G	G15 ID. If not sure of the connected G15's ID, click "Unknown ID" button to set to broadcast ID.

H	Tick the check box to set to wheel mode where G15 will rotate continuously
I	Slider to change the rotation direction of G15 in wheel mode.
J	Factory reset the G15
K	Set the baud rate of G15
L	Set the ID of G15
M	Turn On of Off the G15's LED