lego-bot

left servo - rotate clockwise

right servo - rotate clockwise

left servo - rotate anti-clockwise

right servo - rotate anti-clockwise

light on/off

toggle manual and auto modes
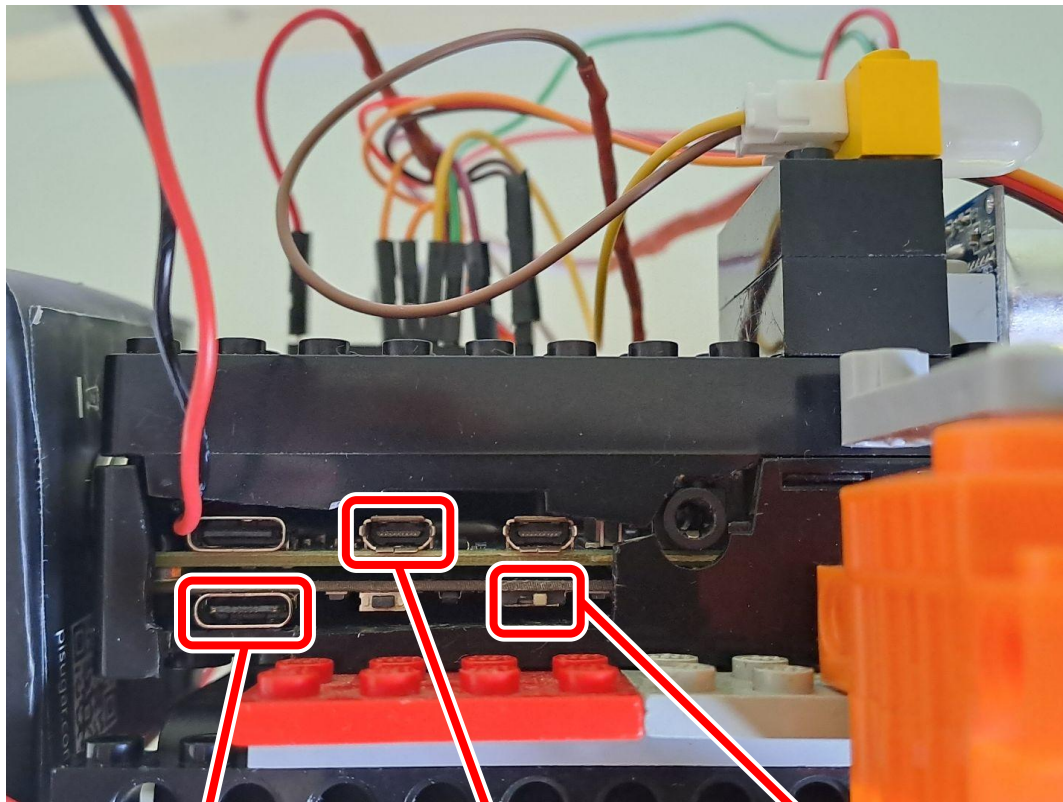
power motors

steer

lego-bot

<u>Batteries</u>

There are three items that require power:

1. The raspberry Pi computer which is fitted with a rechargeable battery (see photo below);
2. The motors, which are attached to a 4xAA battery holder (this has an on/off switch for the motors);
3. The controller which has a slot for 3xAAA batteries and an on/off switch on the back.

Charge computer battery here

Plug in HDMI for screen here

Robot power button here

lego-bot

https://github.com/nsynes/lego-bot

Raspberry Pi

DISPLAY

RUN
GLOBAL_EN
J2

HDMI

HDMI0

HDMI1

CAMERA

A/V

Power in

5V
3v3
SDA
SCL
#04
#17
#18
#27
#22
#23
#24
#25
GND

#0   #1
#5   GND
#6   #12
#13   GND
#19   #16
#26   #20
GND   #21

J14

USB2

USB3

Ethernet

USB wireless
controller
connector

LED

SERVO

SERVO

R

Gnd Echo Trig VCC

3.200

Ultrasonic distance sensor