Description

- Arduino compatible ATMega328P microprocessor
- Multiple serial communication modes
- On-Board RGB LED
- LSS mounting patttern
- Breakout of 6 Input / Output
- Enables RC control & capture of Analog sensors (2RC project)

The Lynxmotion Smart Servo (LSS) - 2IO Arduino Compatible Module ("Lynxmotion Smart Servo To Input / Output") module was designed as a multi-purpose board intended to "bridge the gap" between a Lynxmotion Smart Servo (LSS) serial bus and regular 3-pin RC servos and 5V sensors. Since the LSS-2IO is effectively an Arduino-compatible microcontroller board, it can also be re-programmed using the standard Arduino IDE software to communicate with digital, analog or I2C sensors acting as a standard Arduino board. It can also be used as a USB-to-Serial Adapter to directly control a Lynxmotion Smart Servo via USB.

Specifications

- Microcontroller: ATMega328P
- USB-to-Serial IC: CH340E ([Driver Download](#))
- Logic voltage: 5V
- Analog voltage rail: 5V
- Logic 5V maximum current: 200mA
- Analog 5V rail maximum current: 1.2A
- Number of analog pins: 3
- Number of digital IO pins: 3
- Input voltage via LSS connector: 6V-12V
- Maximum rated current through LSS connectors: 2A
- Default baud rate in 2RC mode (with LSS-2IO Arduino program pre-loaded): 115200

What's Included

- 1x LSS-2IO module
- 1x LSS 150mm serial cable
- 1x Jumper for 2.54mm pins
- 2 x 2-56 x 1/4" - Phillips head screws - Black

Dimensions
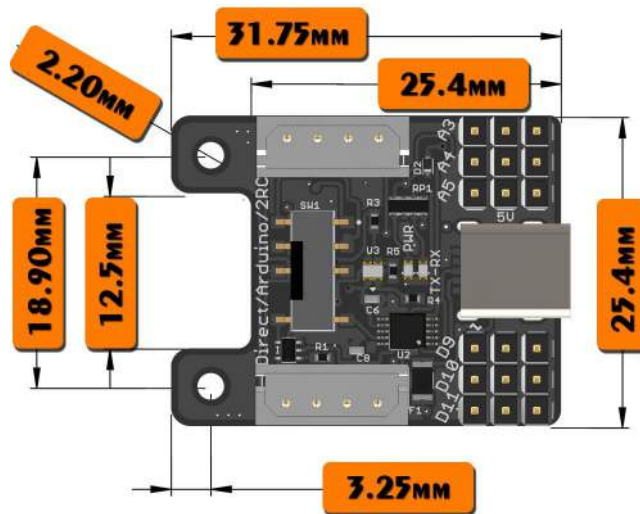
Useful Links

Website

- [Lynxmotion Website - Home](#)

Wiki

- [Lynxmotion Wiki - Home](#)
- [Lynxmotion Wiki - LSS 2IO Board](#)
- [Lynxmotion Wiki - 2RC Mode Communication Protocol](#)

Source code

- [GitHub / AlternativeLSS](#)
- [Latest release (ZIP)](#)

Multimedia

https://www.youtube.com/watch?v=ir3X1RGKHPk
https://www.youtube.com/watch?v=qfXSGEO_QAE