

# Stepper & Servo Motor Controllers

3 LEVELS OF SAVINGS  
 NAME BRANDS HOUSE BRANDS SPECIAL BUY

## ROBOT 2-Amp Dual-Channel Motor Controller

This motor controller uses the high-power L298N motor driver chip, which allows for direct drive of 2 bidirectional DC motors. It can drive up to 2A of current per motor and uses a broad brush design to reduce wire resistance.

- Logic input voltage: 6V-12V (at 36mA)
- Drive input voltage: 4.8V-46V (at 2A)
- Max. power dissipation: 25W
- Drive type: dual high-power H-bridge driver
- Operating temperature: -25°C to +130°C



| Part No. | Mfr. Part No. | Size (L" x W") | Wt. (oz.) | 1       | 5       |
|----------|---------------|----------------|-----------|---------|---------|
| 2159411  | DRI0002       | 1.9 x 2.1      | 1.03      | \$22.95 | \$20.95 |

## ROBOT Scorpion XXL- Flexible High Performance Dual Channel Controller

- Standard R/C pulse format
- 6.0V to 28V battery voltage
- Module has no servo leads with enclosure
- 20A continuous current (<45A peak)
- Fully current and over temperature limiting
- RC servo signal and analog voltage via potentiometer
- 2 indicator LEDs for left/right speed and direction
- Left/right channel mixing or separate channel control option



| Part No. | Mfr. Part No. | Size (L" x W" x H") | Wt. (lbs.) | 1        | 5        |
|----------|---------------|---------------------|------------|----------|----------|
| 2204074  | Scorpion XXL  | 3.27 x 2.27 x 0.5   | 0.11       | \$119.95 | \$109.95 |

## KAE Industrial Motion Controllers for Brush, Brushless & Stepper Motors

**323942:** • For brush-type DC motors with 2 or 3 channel incremental encoders

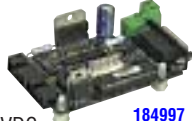
- P.I.D. Servo control, trapezoidal position profiling, velocity mode, 32-bit resolution
- Integrated 12 to 48VDC supply power amplifier @ 3A continuous, 6A peak
- Limit switch inputs, general purpose analog input, PWM, DIR output for use with external amps



323942

**323951:** • For 3-phase brushless motors with Hall effect sensors or conventional DC brush-type motors

- Amplifier capable of driving 6A continuously @ up to 48VDC
- High current amplifier: 7A continuous, 10A peak, 12 to 48VDC supply
- Support for linear & circular interpolation using the PIC-SERVO CMC chipset



184997

**184997:** • Trapezoidal position profiling, velocity mode, up to 50,000 steps/sec.

- Full/half step bipolar chopper drive, 2A per phase, 7.5 to 46VDC supply
- Integrated indexer and driver for 2 or 4 phase stepper motors

| Part No. | Description                           | Size (L" x W" x H") | 1        | 5        |
|----------|---------------------------------------|---------------------|----------|----------|
| 323942   | PIC-SERVO motor control board         | 3.1 x 2.1 x 0.9     | \$159.95 | \$154.95 |
| 323951   | PIC-SERVO 3-phase motor control board | 3.1 x 3.1 x 0.9     | 239.95   | 227.95   |
| 184997   | PIC-STEP motor control board          | 3.1 x 2.1 x 0.9     | 159.95   | 151.95   |

## ROBOT MegaMoto Plus H-Bridge Shield for Arduino

- Supply Voltage: 5-28V (24V max battery)
- 20A continuous (25A when used with a fan)
- 40A surge current (5 seconds), over 1100W
- Stack up to three on an Arduino Uno to drive up to six motors in half-bridge mode.
- Control with Arduino PWM pins and even control other DC loads like solenoids or relays.



| Part No. | Mfr. Part No. | Wt. (oz.) | Price   |
|----------|---------------|-----------|---------|
| 2204023  | MegaMoto Plus | 1.3       | \$59.95 |

## BAU 4-Ch DC Motor Controller with Encoder Support

- Each channel rated for 4A of stall current
- Built-in control logic allows 2-pin motor control (one pin for speed, one pin for direction)
- Designed for the Rover 5 chassis (P/N 2143865, pg 140)
- Low resistance FET H-bridges
- Motor supply: 12VDC max.



| Part No. | Mfr. Part No. | Size (L" x W") | 1       | 5       |
|----------|---------------|----------------|---------|---------|
| 2150539  | RS011MC       | 3.75 x 2.75    | \$21.95 | \$19.95 |

\*DC Gear Motors — Enter Web Code KBB

Electromech

## JAMECO ReliaPro Shaft Couplers

- Used with motors
- 1 set screw per hub
- Hub OD: 0.625" Dia.
- Hub length: 0.56"
- Parts sold individually



162288 (Coupler)



162000 (Rubber Spider)

| Part No. | Description                | 1      | 10     | 100    |
|----------|----------------------------|--------|--------|--------|
| 162288   | .125" (3.18mm) ID hub      | \$1.95 | \$1.75 | \$1.25 |
| 2220331  | .135" (3.50mm) ID hub      | 1.49   | 1.25   | 1.09   |
| 161998   | .197" (5.00mm) ID hub      | 1.95   | 1.75   | 1.49   |
| 162270   | .250" (6.35mm) ID hub      | 1.95   | 1.75   | 1.49   |
| 162000   | Rubber spider for couplers | 1.95   | 1.75   | 1.49   |

\*Rotary Switches — Enter Web Code TMU

\*Arduino Shields — Enter Web Code AOS

## CLIMAX Shaft Coupler

- 2 set screws (10-32 x 1/8)
- Size: 0.75"L x 0.5"OD



\*Web Code: EBE

| Part No. | Description             | 1      | 5      | 25     |
|----------|-------------------------|--------|--------|--------|
| 138288   | .250" ID sleeve coupler | \$7.95 | \$7.25 | \$6.49 |

## JAMECO ReliaPro 10-Piece Gear Assortment

- Polyethylene resin
- Gears are 0.147" bore size
- Bushings are 0.07" bore diameter
- T10, T20, T30, T40, T50 and bushing



| Part No. | Description      | 1      | 10     | 25     |
|----------|------------------|--------|--------|--------|
| 1810072  | 10-pcs. gear set | \$6.95 | \$6.25 | \$5.95 |

## JAMECO ReliaPro 7-Piece Plastic Gear Assortment



- Unbreakable plastic gears
- Teeth -12, 20, 30, 40 +3 bushings
- Spur beveled
- Beveled gears are 41, 31, 21mm diameter
- Bushings reduce bore size to 3mm

| Part No. | Description     | 1      | 10     | 25     |
|----------|-----------------|--------|--------|--------|
| 2227680  | 7-pcs. gear set | \$4.95 | \$4.49 | \$3.95 |

\*Terminal Blocks — Enter Web Code XBD

## RMV MOTION Remote Access rmv\_Tasker-STD Stepper Motor Controller Module

The rmv\_Tasker-STD (shield) web server is a module that interfaces with the ST600 microNET Stepper Motor Controller. Its main purpose is motor control and access to Digital Tachometer sensors through remote access. The rmv\_Tasker enables direct remote access using Modbus communication protocol through TCP/IP, DHCP, HTML, Javascript and FTP. The Modbus module allows control of four axis per address. On-board female headers make it compatible with Arduino. Raspberry Pi connections are made directly through USB connector.

- rmv\_Tasker module link: ethernet, isolated high speed RS485
- rmv\_Tasker module LED: LED's indicators for network and serial link
- rmv\_Tasker web server: FTP, HTML, 32MB file system, TCP/IP secure, IpV4, IpV6, ModBus-TCP/IP-RTU, DHCP, USB OTG, TELNET\_SERVER, ACTIVE\_DHCPV6, USE\_DNS, SD Card, CAN Interface, Javascript, Stand Alone
- Open source: GitHub applications source, HTML page samples, ModBus applications
- rmv\_Tasker absolute encoder: SSI data transition four 2 or 4 shaft encoders Inputs (under development)
- rmv\_Tasker digital I/O's: isolated 4 inputs, 4 outputs, from 5V to 24V

- rmv\_Tasker counter: pulse counter, period calculation
  - Counter mode real: read incoming single-phase pulses, return a binary count
  - Period/Rate mode: count internal clocks during the On period, return a frequency. Outputs are updated only at the end of the period
- rmv\_Tasker Micro-SD card: program store, HTML page file system, max 8GB (not included)



| Part No. | Mfr. Part No.    | Description                         | Price    |
|----------|------------------|-------------------------------------|----------|
| 2246830  | RMV_TASKER-STD01 | Remote Access rmv_Tasker-STD module | \$154.95 |

NEW MARKED IN PINK