

Pololu Jrk Configuration Utility

File Edit Window Help

Connected to: #00187944 Target: 2048 PID period count: 59688 ☐ Stop motor
Firmware version: 1.4 Scaled Feedback: 4095 PID period exceeded: No Errors: 0x0000

Input Feedback PID Motor Errors

Input mode: Serial

Analog to digital conversion

Analog samples: 128 ☐ Detect disconnect with AUX

Serial interface

☒ USB Dual Port
☐ USB Chained
☐ UART, detect baud rate
☐ UART, fixed baud rate: 9600

☐ Enable CRC

Device Number: 11

Timeout (s): 0.00

☐ Never sleep (ignore USB suspend)

Scaling (Analog and Pulse Width mode only)

☐ Invert input direction Learn...

Reset to full range

Input	Target
Absolute Max: 4095	
Maximum: 4095	4095
Neutral Max: 2048	2048 ☐ Asymmetric
Neutral Min: 2048	
Minimum: 0	0
Absolute Min: 0	
Degree: 1 - Linear	

Dead Zone: 0

Manually set target (Serial mode only)

< 0 2048 4095 >

Set Target

☐ Automatically set target

Reload settings from device Stop Motor Run Motor Apply settings to device

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Connected to: #00187944 Target: 2048 PID period count: 63304 ☐ Stop motor
Firmware version: 1.4 Scaled Feedback: 4095 PID period exceeded: No Errors: 0x0000

Input Feedback PID Motor Errors

Feedback mode: Analog voltage

Scaling (Analog and Tachometer mode only)

☐ Invert feedback direction Learn...

Reset to full range

Calibration
Absolute Max: 2218
Maximum: 341
Minimum: 12
Absolute Min: 6

Analog to digital conversion

Analog samples: 128 ☐ Detect disconnect with AUX

Reload settings from device Stop Motor Run Motor Apply settings to device

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Help

Connected to: #00187944

Target: 2048

PID period count: 2990

☐ Stop motor

Firmware version: 1.4

Scaled Feedback: 4095

PID period exceeded: No

Errors: 0x0000

Input

Feedback

PID

Motor

Errors

Proportional Coefficient

1

3

2

=

0.12500

Integral Coefficient

0

3

2

=

0.00000

Derivative Coefficient

0

0

2

=

0.00000

PID period (ms): 10

Integral limit: 1000

☐ Reset integral when proportional term exceeds max duty cycle

Feedback dead zone: 0

Reload settings from device

Stop Motor

Run Motor

Apply settings to device

Pololu Jrk Configuration Utility

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Help

Connected to: #00187944

Target: 2048

PID period count: 7103

☐ Stop motor

Firmware version: 1.4

Scaled Feedback: 4095

PID period exceeded: No

Errors: 0x0000

Input

Feedback

PID

Motor

Errors

PWM frequency: 20 kHz

☒ Invert motor direction

Detect Motor Direction

☐ Asymmetric

Forward

Reverse

Max. duty cycle: 600 600 (600 means 100%)

Max. acceleration: 600 600 (600 means no limit)

Brake duration (ms): 0 0

Max. current (A): 12.069 12.069 (0.000 means no limit)

Current calibration: 149 149

Max. duty cycle while feedback is out of range: 600 (600 means 100%)

When motor is off: ☒ Brake ☐ Coast

Reload settings from device

Stop Motor

Run Motor

Apply settings to device

Connected to: #00187944

Target: 2048

PID period count: 11059

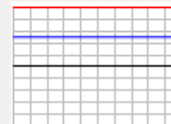
☐ Stop motor

Firmware version: 1.4

Scaled Feedback: 4095

PID period exceeded: No

Errors: 0x0000



Input Feedback PID Motor Errors

Bit mask	Error	Setting			Currently stopping motor?	Occurrence count
0x0001	Awaiting command	☒ Enabled and latched	☐ Enabled	☐ Disabled	No	1
0x0002	No power	☒ Enabled	☐ Enabled and latched	☐ Disabled	No	0
0x0004	Motor driver error	☒ Enabled	☐ Enabled and latched	☐ Disabled	No	0
0x0008	Input invalid	☒ Enabled	☐ Enabled and latched	☐ Disabled	No	0
0x0010	Input disconnect	☒ Disabled	☐ Enabled	☐ Enabled and latched	No	0
0x0020	Feedback disconnect	☒ Disabled	☐ Enabled	☐ Enabled and latched	No	11988
0x0040	Max. current exceeded	☒ Disabled	☐ Enabled	☐ Enabled and latched	No	0
0x0080	Serial signal error	☒ Disabled	☐ Enabled and latched	☐ Enabled	No	0
0x0100	Serial overrun	☒ Disabled	☐ Enabled and latched	☐ Enabled	No	0
0x0200	Serial RX buffer full	☒ Disabled	☐ Enabled and latched	☐ Enabled	No	0
0x0400	Serial CRC error	☒ Disabled	☐ Enabled and latched	☐ Enabled	No	0
0x0800	Serial protocol error	☒ Disabled	☐ Enabled and latched	☐ Enabled	No	0
0x1000	Serial timeout error	☒ Disabled	☐ Enabled and latched	☐ Enabled	No	0

Clear Errors

Reset counts

Reload settings from device

Stop Motor

Run Motor

Apply settings to device