**Shooter_Wheel.lvlib:Shooter_Wheel_Set_RPM.vi**

Help by FRC Team 836 - The RoboBees

This VI sets the Revolutions Per Minute (RPM) of a shooter wheel.
Shooter Wheel DevRef Out

Shooter Config reference

Shooter Data

MotorControlDevRef

DeviceStatus

status

status is TRUE (X) if an error occurred or FALSE (checkmark) to indicate a warning or that no error occurred.

Right-click the error in control on the front panel and select **Explain Error** or **Explain Warning** from the shortcut menu for more information about the error.

code

code is the error or warning code.

Right-click the error in control on the front panel and select **Explain Error** or **Explain Warning** from the shortcut menu for more information about the error.

source

source describes the origin of the error or warning.

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<table>
<thead>
<tr>
<th>Type</th>
<th>PWM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PWM Channel</strong></td>
<td></td>
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<tr>
<td><strong>DeadBand</strong></td>
<td></td>
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<tr>
<td><strong>Name</strong></td>
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<tr>
<td><strong>maxPositivePwm</strong></td>
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<tr>
<td><strong>minPositivePwm</strong></td>
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<td><strong>centerPwm</strong></td>
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<td><strong>maxNegativePwm</strong></td>
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<tr>
<td><strong>minNegativePwm</strong></td>
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<tr>
<td><strong>angularRange</strong></td>
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<tr>
<td><strong>CAN</strong></td>
<td></td>
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<tr>
<td><strong>Device Number</strong></td>
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</tbody>
</table>
Control Mode

Semaphore

Semaphore is a reference to an existing or newly created semaphore.

Max Vout

TalonSRX Control Mode

Control Mode specifies how the Talon SRX will control the motor. Percent VBus is the standard open-loop mode that is also accessible via the PWM interface on the Talon SRX.

Invert

CounterDevRef in

DevStatus

error in can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

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<tr>
<td>RPM Desired</td>
</tr>
<tr>
<td>RPM Actual</td>
</tr>
<tr>
<td>RPM Desired</td>
</tr>
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This VI sets the Revolutions Per Minute (RPM) of a shooter wheel.
Shooter Wheel.lvlib:ShooterData.ctl

FPGA_DIOPWMChannel.ctl

WPI_CANJaguar_ControlMode.ctl

WPI_MotorControlType.ctl

Semaphore RefNum

WPI_CANTalonSRX_APIControlMode.ctl

WPI_CounterDevRef.ctl
"Shooter_Wheel.lvlib:Shooter_Wheel_Set_RPM.vi History"

Current Revision: 12

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**Position in Hierarchy**

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**Iconified Cluster Constants**