Shooter_Wheel.lvlib:Shooter_Wheel_Get.vi

Help by FRC Team 836 - The RoboBees

This VI will get the operating parameters of a shooter wheel.
Error In

`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.

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.

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.

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.
**Error Out**

*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.

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.

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Shooter Wheel DevRef Out

Shooter Config reference

Shooter Data

MotorControlDevRef

DeviceStatus

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Type

PWM

PWM Channel

DeadBand

Name

maxPositivePwm

minPositivePwm

centerPwm

maxNegativePwm

minNegativePwm

angularRange

CAN

Device Number

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

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<th>CntIndex</th>
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<th>RPM Desired</th>
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<th>RPM Actual</th>
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Shooter Wheel.lvlib:ShooterConfig.ctl

C:\Program Files (x86)\National Instruments\LabVIEW 2015\user.lib\836-
Library\Motion Control\Shooter_Wheel\ShooterConfig.ctl

Shooter_Wheel.lvlib:Shooter_Wheel_GetSet.vi

C:\Program Files (x86)\National Instruments\LabVIEW 2015\user.lib\836-Library\Motion Control\Shooter_Wheel\Shooter_Wheel_GetSet.vi

FPGA_CounterCtrSystemIndex.ctl

C:\Program Files (x86)\National Instruments\LabVIEW 2015\vi.lib\Rock Robotics\SystemInterfaces\Counter\FPGA_CounterCtrSystemIndex.ctl

WPI_PWMDeadband.ctl

C:\Program Files (x86)\National Instruments\LabVIEW 2015\vi.lib\Rock Robotics\WPI\PWM\WPI_PWMDeadband.ctl

Shooter Wheel.lvlib:ShooterControl.ctl

C:\Program Files (x86)\National Instruments\LabVIEW 2015\user.lib\836-Library\Motion Control\Shooter_Wheel\ShooterControl.ctl

WPI_MotorControlDeviceRef.ctl

C:\Program Files (x86)\National Instruments\LabVIEW 2015\vi.lib\Rock Robotics\WPI\MotorControl\WPI_MotorControlDeviceRef.ctl

Shooter Wheel.lvlib:ShooterData.ctl

C:\Program Files (x86)\National Instruments\LabVIEW 2015\user.lib\836-Library\Motion Control\Shooter_Wheel\ShooterData.ctl

FPGA_DIOPWMChannel.ctl
C:\Program Files (x86)\National Instruments\LabVIEW 2015\vi.lib\Rock Robotics\SystemInterfaces\DIO\FPGA_DIOPWMChannel.ctl

WPI_CANJaguar_ControlMode.ctl

C:\Program Files (x86)\National Instruments\LabVIEW 2015\vi.lib\Rock Robotics\WPI\CAN\Jaguar\SubVIs\WPI_CANJaguar_ControlMode.ctl

WPI_MotorControlType.ctl

C:\Program Files (x86)\National Instruments\LabVIEW 2015\vi.lib\Rock Robotics\WPI\MotorControl\WPI_MotorControlType.ctl

Semaphore RefNum

C:\Program Files (x86)\National Instruments\LabVIEW 2015\vi.lib\Utility\semaphor.llb\Semaphore RefNum

WPI_CANTalonSRX_APIControlMode.ctl

C:\Program Files (x86)\National Instruments\LabVIEW 2015\vi.lib\Rock Robotics\WPI\CAN\TalonSRX\WPI_CANTalonSRX_APIControlMode.ctl

WPI_CounterDevRef.ctl

C:\Program Files (x86)\National Instruments\LabVIEW 2015\vi.lib\Rock Robotics\WPI\Counter\WPI_CounterDevRef.ctl

"Shooter _Wheel.lvlib:Shooter_Wheel_Get.vi History"

Current Revision: 46
Position in Hierarchy

Iconified Cluster Constants