Wheel.lvlib:Wheel_Get.vi

Help by FRC Team 836 - The RoboBees

This VI will get the operating parameters of a 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.

**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.
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.

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.

- **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

Set Point

Actual

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This VI will get the operating parameters of a wheel.

Wheel.lvlib:Config.ctl

C:\Program Files (x86)\National Instruments\LabVIEW 2015\user.lib\836-Library\Motion Control\Shooter_Wheel\Config.ctl
Wheel.lvlib:Wheel_GetSet.vi

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

WPI_PWMDeadband.ctl

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

Wheel.lvlib:Data.ctl

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

WPI_CANJaguar_ControlMode.ctl

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

FPGA_DIOPWMChannel.ctl

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

Semaphore RefNum

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

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

Wheel.lvlib:WheelControl.ctl

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

WPI_MotorControlDeviceRef.ctl

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

WPI_CANTalonSRX_APIControlMode.ctl

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

"Wheel.lvlib:Wheel_Get.vi History"

Current Revision: 45

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**Position in Hierarchy**
Iconified Cluster Constants