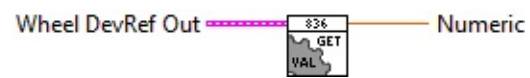


Wheel.lvlib:Wheel_Get_Value.vi

Help by FRC Team 836

This VI will return the actual set parameters of wheel.



Wheel DevRef Out

Shooter Config reference

Shooter Data

MotorControlDevRef

DeviceStatus

status	code
	0

source

Type: PWM

Invert: OFF/ON

CAN

Device Number: 0

Control Mode: Percent VBus

Semaphore

Max Vout: 0

TalonSRX Control Mode: Percent VBus

PWM

PWM Channel: PWM 0

DeadBand

Name

maxPositivePwm: 0

minPositivePwm: 0

centerPwm: 0

maxNegativePwm: 0

minNegativePwm: 0

angularRange: 0

Set Point

Actual

Numeric: 0

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

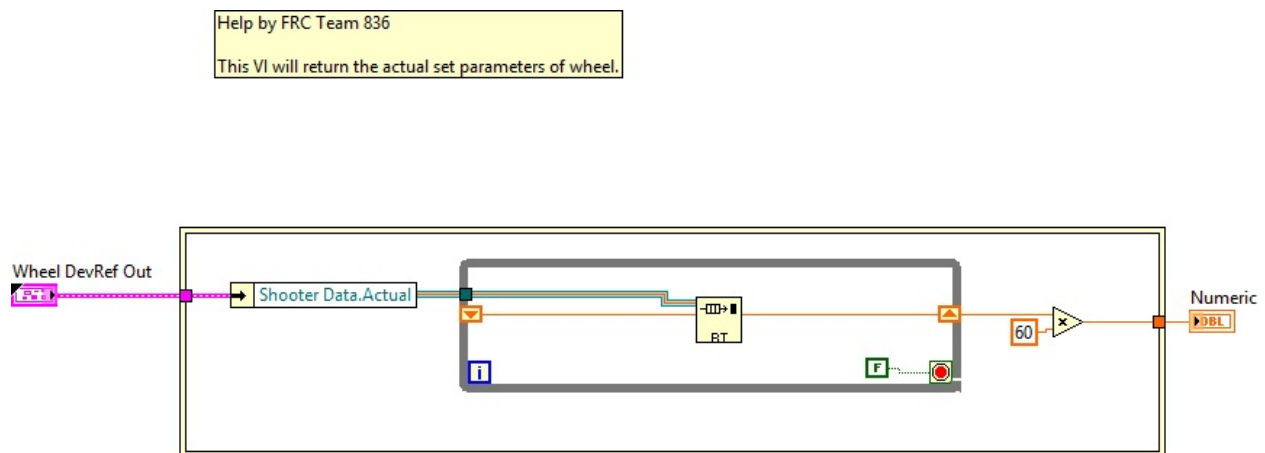
Control Mode specifies how the Talon SRX will  control the motor. Percent VBus is the standard open-loop mode that is also accessible via the PWM interface on the Talon SRX.

 **Invert**

 **Set Point**

 **Actual**

 **Numeric**



Wheel.lvlib:Config.ctl



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

WPI_MotorControlType.ctl



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



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

Wheel.lvlib:Data.ctl



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

WPI_PWMDeadband.ctl



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

WPI_MotorControlDeviceRef.ctl



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

FPGA_DIOPWMChannel.ctl



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

Iconified Cluster Constants