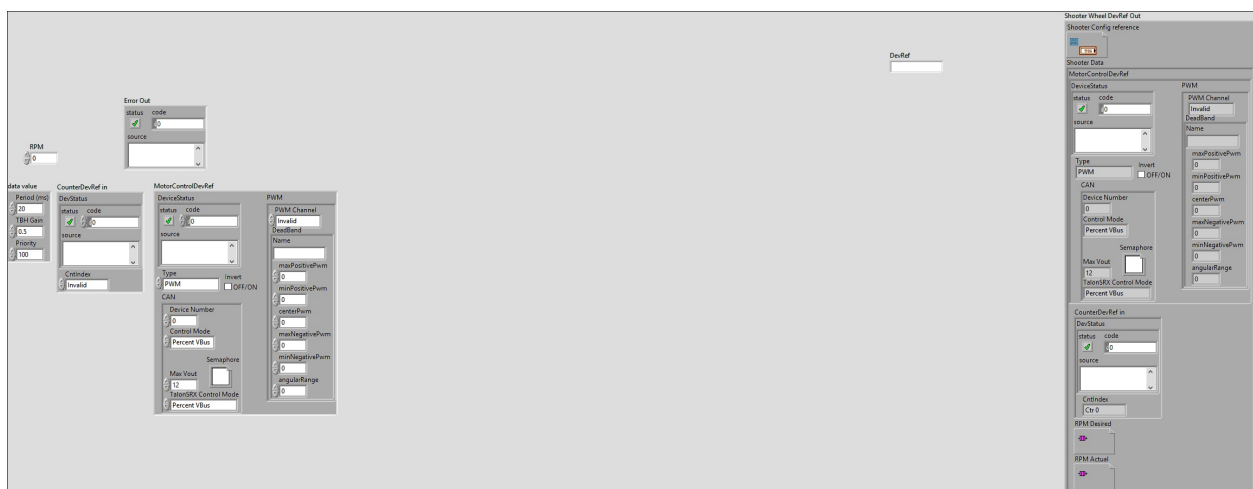
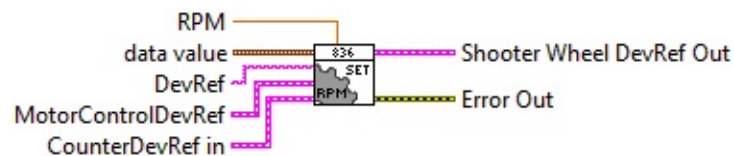


Shooter_Wheel.lvlib:Shooter_Wheel_Set.vi

Help By FRC Team 836 - The RoboBees

This VI sets the operating parameters of a shooter wheel.



 DevRef

 RPM

 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.



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.

CntIndex

MotorControlDevRef

DeviceStatus

status

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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**

 **data value**

 **Period (ms)**

 **TBH Gain**

 **Priority**

 **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.



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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

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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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.

 **CntIndex**

 **RPM Desired**

 **RPM Actual**

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

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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.

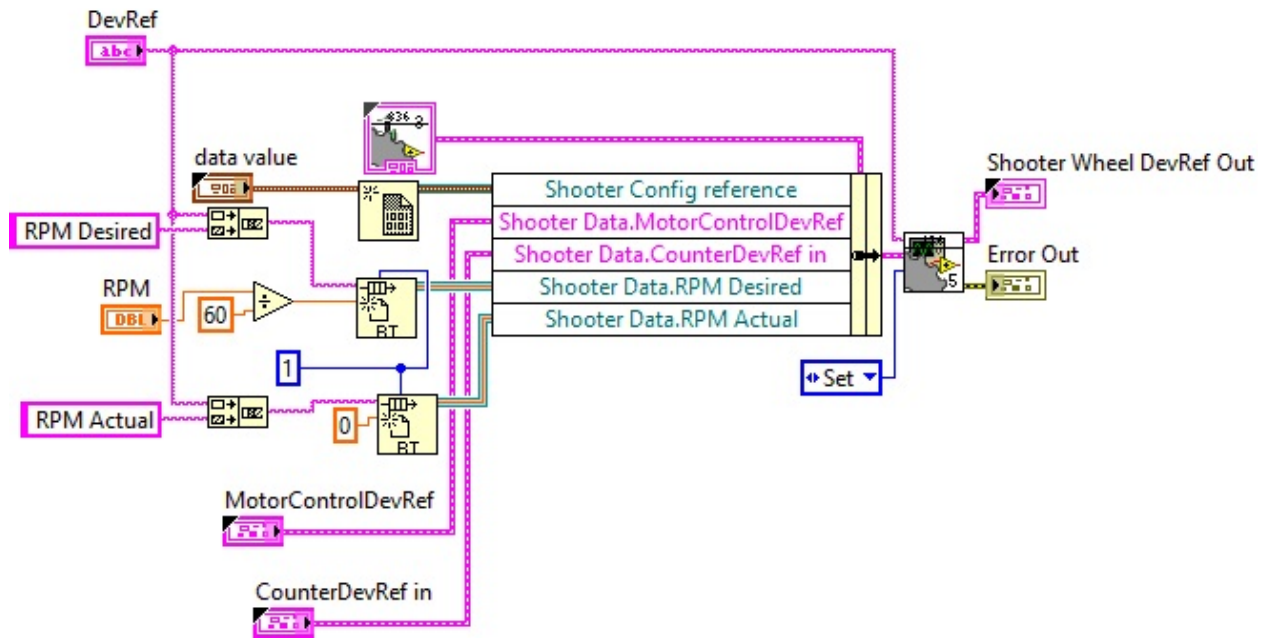
source

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.

Help By FRC Team 836 - The RoboBees
This VI sets the operating parameters of a shooter wheel.



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.ctf



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

WPI_CounterDevRef.ctf

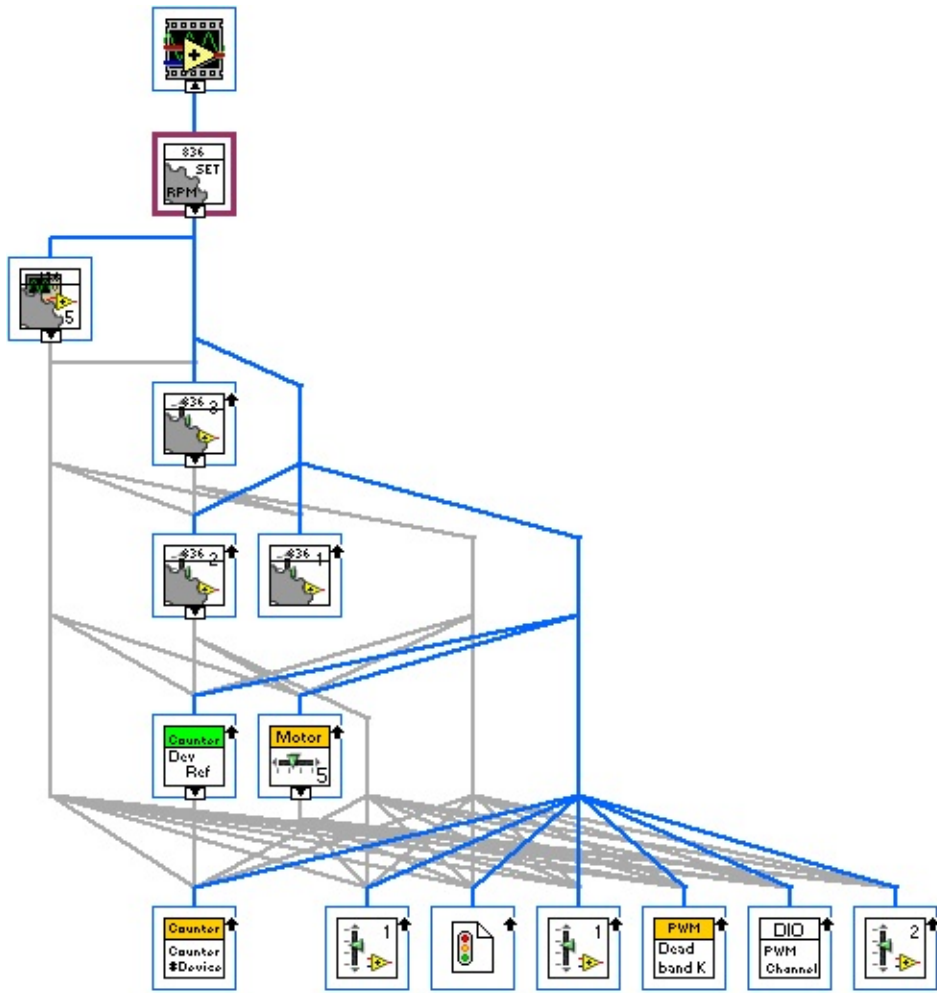


C:\Program Files (x86)\National Instruments\LabVIEW 2015\vi.lib\Rock
Robotics\WPI\Counter\WPI_CounterDevRef.ctf

"Shooter _Wheel.lvlib:Shooter_Wheel_Set.vi History"

Current Revision: 86

Position in Hierarchy



Iconified Cluster Constants