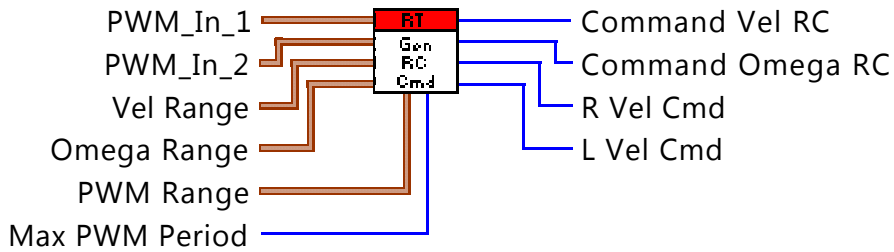


Generate RC Cmd.vi  
M:\CWRUCutterHex\LabVIEW\src\RT\Utilities\Generate RC Cmd.vi  
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## Connector Pane

### Generate RC Cmd.vi



Creates the Remote Control command from a PWM source (specifically, the futaba receiver)

#### Inputs:

- PWM inputs from the Futaba (2 channels)
- velocity and omega range

#### Outputs:

- Velocity commands in v,w
- Velocity commands in Vleft, Vright

## Front Panel

Max PWM Period			R Vel Cmd	L Vel Cmd
<input type="text" value="800000"/>			<input type="text" value="0"/>	<input type="text" value="0"/>
Omega Range	Vel Range	PWM Range	Command Vel RC	
Max	Max	Top	<input type="text" value="0"/>	
<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="60000"/>	Command Omega RC	
Deadband	Deadband	Mid	<input type="text" value="0"/>	
<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="45000"/>		
Min	Min	Bottom		
<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="75000"/>		
PWM_In_1	PWM_In_2			
PosLen	PosLen			
<input type="text" value="0"/>	<input type="text" value="0"/>			
Period	Period			
<input type="text" value="0"/>	<input type="text" value="0"/>			

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## Block Diagram

