

11.3.3 SETUP FOR PWM OPERATION

The following steps should be taken when configuring the CCP1 module for PWM operation:

1. Set the PWM period by writing to the PR2 register.
2. Set the PWM duty cycle by writing to the CCPR1L register and CCP1CON<5:4> bits.
3. Make the CCP1 pin an output by clearing the TRISIO<2> bit.
4. Set the TMR2 prescale value and enable Timer2 by writing to T2CON.
5. Configure the CCP1 module for PWM operation.

Note: The PWM module may generate a premature pulse when changing the duty cycle. For sensitive applications, disable the PWM module prior to modifying the duty cycle.