



## Sniper Standalone [Shift Light](#) Instructions

### Kit Contents:

- (1) Shift light
- (1) Shift Light Adjustable Mounting Bracket
- Installation Instructions



1. Disconnect negative (-) Battery Cable
2. Connect wiring as above.
3. Shift light for easy viewing.

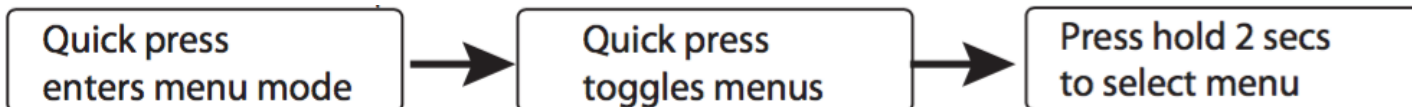
**NOTE:** Programming buttons are used to recall peak ROM. It is preferable to mount shift light so access to programming buttons is possible after installation.

4. Reconnect negative (-) battery cable.

### Operating instructions


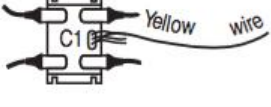
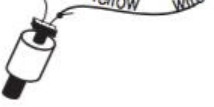

Your Sniper shift light is equipped with an easy to use LED menu. The LED display will also display your engine RPM while on.

1. Turn power on to shift light by turning on keyed 12volts to red wire. You will see the LED display light up and show [000].
2. To access ALL menus follow this procedure below.



### Pulses Per Rev menu [PPr]

Start by setting up your PPR. Once done, the shift light is ready for use. There are 2 ways to accomplish this - either by selecting a PPR count (.5,-6) or by selecting the Program mode (prg). The prg mode lets you dial the shift light to match your known engine RPM. This is useful if you don't know your PPR count or where the value is different than 0.5 - 6 PPR count values.

yellow/Green wire hook up options			
Type #1 ignitions	Type #2- Coil Packs	Type #3 - Coil on Plug /Fuel injectors	Aftermarket ignitions / tach output
			
Yellow wire connects to: negative side of coil. 12 cyl = 6 sparks / rev 10 cyl = 5 sparks / rev 8 cyl = 4 sparks / rev 6 cyl = 3 sparks / rev 4 cyl = 2 sparks / rev	Yellow wire connects to: • negative side of coil (some cars) or • coil control wire (some cars) or • coil trigger wire (some cars).  1 spark / rev. (as a good starting point)	Yellow wire connects to: • negative side of coil (some cars) or • coil control wire (some cars) or • coil trigger wire (some cars).  1/2 spark / rev. (as a good starting point)	Yellow wire connects to: tachometer output terminal 12 cyl = 6 sparks / rev 10 cyl = 5 sparks / rev 8 cyl = 4 sparks / rev 6 cyl = 3 sparks / rev 4 cyl = 2 sparks / rev

1. Enter PPR menu item by pressing and holding for 2 seconds.
2. Toggle through available PPR options (0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0 and Prg) while in PPR menu.
3. At desired PPR setting, let Shift light time out for 5 seconds to save the PPR setting. Prg (program mode) is explained in next section.

### Program mode (prg) [PPR] >> [Prg]

Program mode (prg) will let you dial in the RPM on the LED display to match your engine RPM. You can use this option instead of the PPR for applications where the value is different from .5-6 PPR or you don't know the exact value but can dial in engine RPM to match the shift light.

1. Start engine and power up shift light.
2. Press and hold button for 2 seconds to select PPR menu.
3. Bypass all available PPR settings by toggling through all available .5-6 PPR options. Select the last option (prg) and hold button for 2 seconds.
4. You will see 1.00 (1000RPM) displayed on screen. Toggle the buttons up and down to have LED read out match your engine RPM. You are doing this while engine is running.
5. Once LED read out matches engine RPM, let shift light time out for 5 seconds to save setting. LED display will flash 2 times to exit.

### Set Shift Point menu [SP ]

1. Press and hold button for 2 seconds to select Shift point menu.
2. Use buttons to toggle RPM up or down to desired shift point.

**NOTE: When setting shift point <9,999RPM, shift point can be selected in 10RPM increments. For example 8.53 = 8530 RPM**

3. At desired shift point, let shift light time out. LED display will blink 2 times to save setting.

### Recall Peak (Max RPM) [PEA]

1. Press and hold either button for 2 seconds to select Peak recall.
2. Peak will be displayed for as long as you hold the button and also 5 seconds after you release the button.
3. To clear max RPM peak after releasing button, within the 5 seconds, press and release button again to clear peak.

**NOTE: If you do not press button again within 5 seconds of button release the current peak will be retained. When recalling <9,999 RPM will be displayed as follows: For example 8.53 = 8,530 RPM**

## Shift LED brightness settings [LEd]

You can set up your shift light brightness for both day and night conditions. The shift light will retain this setting in memory. The white wire senses whether the shift light is in night or day mode. If voltage is present on white wire, it is assumed you're setting night brightness mode. If no voltage is present, you are setting day brightness.

1. Press and hold button for 2 seconds to select LED menu.
  2. Current brightness is shown on LED screen as a number, and shift light LEDs will be lit to show current brightness. 0= off condition – 4 = maximum brightness
  3. Toggle through brightness setting using buttons.
  4. At desired brightness setting let shift light time out for 5 seconds to save the setting. LEDs will flash 2 times on exit of menu.
  5. Repeat procedure for both day and night condition.
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## LED display on/off setting [dSP]

Your shift light will display current engine RPM in LED display while in operation. You can turn this setting on or off.

**NOTE: Engine RPMs < 9,999 will show as this example: 8.35 = 8350 RPM**

1. Press and hold button for 2 seconds to select dsp menu.