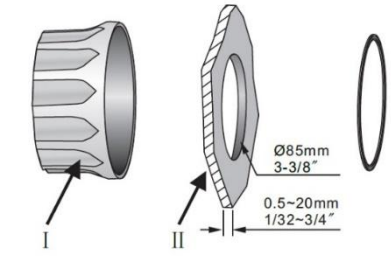
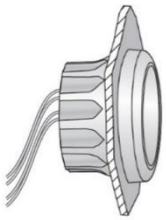
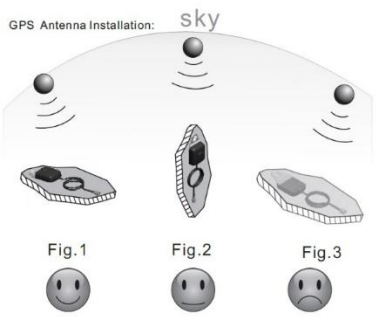
User Guide for 85mm GPS Speedometer with Tachometer







1.Power GND 2.12/24V DC+ 3. External Button (+) 4. Backlight (+)
5. RPM Signal (or W-Terminal) 6. High Beam (+)
7.Left Turn (+) 8.Right Turn(+)

1. Cut an 85mm (3 3/8") hole in the panel (II) allow a clearance of behind the panel.
2. Remove fastening ring (I), insert gauge from front. Tighten gauge (III) using fastening ring (I)
3. Connect cables according to the diagram. Choose red or yellow background light.
4. Securely fasten the GPS antenna, preferably outdoors (or inside front windscreen) so that it has a clear view of the sky to pick up satellite signals. Connect the antenna cable to socket on the gauge. Do not cut cable.
5. After turning power on, allow the gauge to sample satellite signal for 1 minute.
6. All data is for reference only and should not be trusted as sole navigation source.

Function Select： “PULSE”, “ODO”, “BUZZ”

Press and hold on the back button or **external button**, then turn on the power supply.

The LCD will show PULSE, ODO, UNIT, BUZZ, etc.

You can select the function to be set after release button.

1. “PULSE” for RPM Sensor or W-terminal

After selecting “PULSE”, unit is o.01 pulses/round. For example, if LCD shows 100, it means 1 pulse per round

How to confirm RPM Ratio?

a. If your sensor is installed on the flying wheel panel, the RPM ratio is equal to the number of gears of the engine.
b. If the speed signal takes from **W-Terminal**, the RPM ratio is equal to the half of the number of poles.

Universal RPM Ratio for Reference:

OutBoard Engine		**InterBoard or Gasoline Engine**			**Diesel Engine**
Electric Poles	**RPM Ratio**	Cylinder	Stroke	**RPM Ratio**	**RPM Ratio=Gear Number**
4	**2**	4	4	**2**	
6	**3**	6	4	**3**	
8	**4**	8	4	**4**	
10	**5**	10	4	**5**	
12	**6**	12	4	**6**	

2. "ODO"(change total odometer)

After selecting "ODO", the LCD will show for example "5000" (5000 km), press the button to change the flashing digit from 0 to 99999 to set the target odometer value.

3. "BUZZ"(change overspeed buzzer alarm threshold value)

After selecting "BUZZ", the LCD will show for example "B 80" (buzzer will be on when speed over 80km/h), press the button to change the flashing digit from 10 to 240 to set target overspeed buzzer alarm threshold value.

Please noted: After setting, you should disconnect both Power+ and GND, and then reconnect the two cable, then it will save the setting. If you just cut Power +, then it'll not work properly.