

Power Draw = 0.2 Amp
3A to 5A Inline Fuse Recommended
for +12 Accessory Power

Note: Tie together the +12volt dash lighting white wire to the +12 volt inverter white wire and connect to the same dash lighting source.

Power distribution cable to plug all gauges into

- +12 Volts Accessory Power (Red) — (Main gauge power)
- Ground (Black)
- +12 Volts Dash lighting (White) — (Pointer (needle) lighting)

- **left turn signal +12V pulse — (green with yellow)
- **right turn signal +12V pulse — (green with red)
- **high beam wire +12V — (blue with white)

- +12Volts Hot Start (Red with black)
- +12 Volts constant power (low current)

fuel sender output—(white)

fuel sender ground—(black)

Note: fuel sender ground is hooked up to fuel level sensor ground. If your sender does not have a ground terminal, attach this wire to chassis ground. THIS GROUND WIRE MUST BE HOOKED UP TO GROUND.



INVERTER IS **REQUIRED** FOR GAUGE DIAL LIGHTING

- +12 volts Dash lighting (white) — (Gauge Dial lighting)
- Ground (black)



Snap connection for dial lighting

Dial Lighting Inverter Note: Single EL dial lighting inverter included with individual gauge. Multi-gauge EL dial inverter included with gauge set of 3 to 8 gauges. ***Protect any unused connectors. Damage to an unused connector could cause inverter failure.***

Your speedometer has either a button on front or plug in 3.5mm jack button on back for programming and entering menu options depending on speedometer model. If your speedometer has a 3.5mm jack with plug in button, mount button in convenient location for easy menu adjustments.

1. Hook up speedometer power requirements as shown above.
2. Plug GPS receiver antenna into back of speedometer.
3. For best performance, mount GPS antenna with as much view of sky as possible (preferably on the roof of the vehicle). The GPS antenna is waterproof and magnetic. If the car's roof is not accessible then mount the antenna on top of the vehicle's dash with as much exposure as possible to the sky through the window. (Antenna is able to receive signal through some thin materials i.e. wood, glass, fiberglass, and plastic. All types of metal will block the signal.)
4. Hot start feature is optional. Hooking up the Hot start wire to constant +12volts allows GPS to quickly acquire satellites in less than 2 seconds. This feature saves your current satellite position within the speedometer enabling it to quickly restore your position on power up when Speedometer has been powered off 4 our less hours.

Please note that if the speedometer has been powered off longer than 4 hours, it could take up to 1 minute to acquire signal due to the satellites moving significantly from your location. This is normal.

The current draw is extremely low and will have virtually zero impact on a car battery's charge. Hotsart wire should be connected directly to battery +12voltage and should remain powered 100% of the time.

Menu Features - momentarily press button on speedometer to select different menu items.

Odometer and trip



← Odometer (shows up to 999,999 miles or kmh)

← Trip Odometer (shows up to 99,999.9 miles or kmh)

Press and hold button to reset trip.

Clock



Clock feature. Time is acquired from GPS satellites. User only needs to adjust the hour setting for his/her time zone.

← Press and hold button to set clock hours. (color will invert)
Toggle through am / pm hours until correct time is reached.

Release button for several seconds and time is stored. (color will return to normal)

Elevation



Elevation feature is acquired from GPS satellites and shows the current elevation from sea level in feet or meters depending on model.

Speed (mph or kmh)



Speed feature shows mph or kmh in display

Direction



Shows the current direction

peak



Shows the top speed reached.
Press and hold to clear peak.

0-60 mph time



Press and hold button to stage while car is stopped.

Timer will start as soon as car starts to move.

Drive through 60mph. Timer will stop once 60mph is reached and show the time to nearest 1/100th of second on screen and distance in feet traveled.

1/4 mile time



Press and hold button to stage while car is stopped.

Timer will start as soon as car starts to move.

Drive through 1/4 mile. Timer will stop once 1/4 mile distance is reached and show the time to nearest 1/100th of second on screen and speed to nearest 1/10th mph.

Fuel level Setup menu

Follow these steps below for all menu items

1. Press and hold button down while turning on GPS power to enter fuel setup menu.
Note: Antenna must be plugged into speedometer to Access this menu.
2. A quick button press will toggle LCD screen through all the available menu settings below.
3. Press and hold to select the menu item (2-3 seconds).
4. Press and hold button to change setting.
5. Release button and menu will be saved after 5 seconds.

Calibrate fuel empty.

Calibrate Fuel Empty.

240 ohms

Note: This calibration can be done with sensor hooked up or NOT hooked up to gauge. If sensor is hooked up to gauge, gauge will read the resistance of the sensor and display this as a starting point. Pressing and holding button down on this menu will change the resistance of the Fuel Empty setting. If fuel level sensor is hooked up to gauge, have tank in empty state.

Calibrate fuel full.

Calibrate Fuel Full.

30 ohms

Note: This calibration can be done with sensor hooked up or NOT hooked up to gauge. If sensor is hooked up to gauge, gauge will read the resistance of the sensor and display this as a starting point. Pressing and holding button down on this menu will change the resistance of the Fuel full setting. If fuel level sensor is hooked up to gauge, have tank in full state.

Set low fuel warning

Set warning point



Note: Pointer will move up the fuel level dial. At the desired low warning point, release button and setting will be saved after 5 seconds.

Set day LED brightness

Set Day Brightness



Note: Press and release button to toggle through the brightness settings. There are 4 brightness settings including off.

Set night LED brightness

Set Night Brightness



Note: Press and release button to toggle through the brightness settings. There are 4 brightness settings including off.