

Quick Operating Guide



This document provides a quick guide to the operation of the LiquidSpring Smart Suspension System. For complete instructions, please refer to the Operator Manuals available at www.liquidspring.com.

Driver Display:

The driver display provides the operator the means to enable/disable the suspension, change ride modes and ride heights, and indicates on-board trouble codes.

On/Off Button:

A quick press and release will turn the system on or off. The driver interface will be illuminated when the system is on and will go dark when off. The system will remember the last commanded state.

Adjustment Buttons:

See table for operation of the adjustment buttons.

Ride Modes can be adjusted at any speed.

Ride Heights can only be adjusted at speeds less than 10 mph.

Red Warning Light:

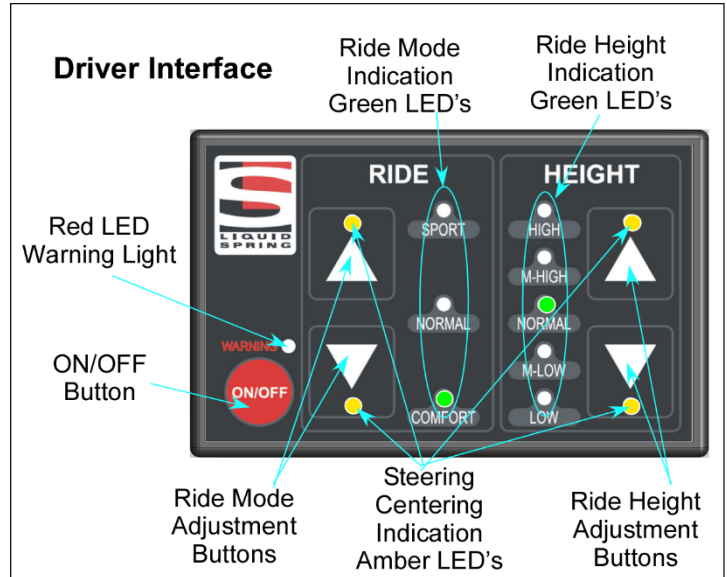
When illuminated, refer to the Owners Manual troubleshooting section.

Amber Lights:

When illuminated indicates steering straight ahead. Will turn off momentarily during turning.

Green Ride Mode Lights:

- **Sport:** More responsive to external conditions / driver input. Good for windy conditions and twisty roads.



2 Corner and 4 Corner Interface Displays:

Ride Height Description	Driver Interface Operation	Front Ride Height	Rear Ride Height	Ride Height LED (2 Corner Mode)	Ride Height LED (4 Corner Mode)
All Up (AU)	From RH, P&R UP 2 times. From RU, P&R UP 1 time.	HIGH	HIGH	n/a	● HIGH ○ M. HIGH ○ NORMAL ○ M. LOW ○ LOW
Rear Up (RU)	From RH, P&R UP 1 time	NORMAL	HIGH	● HIGH ○ M. HIGH ○ NORMAL ○ M. LOW ○ LOW	○ HIGH ● M. HIGH ○ NORMAL ○ M. LOW ○ LOW
Ride Height (RH)	From AU, P&R DOWN 1 time. From RU, P&R DOWN 1 time. From RD, P&R UP 1 time From AD, P&R UP 1 time Auto Select, Speed > 15 MPH	NORMAL	NORMAL	○ HIGH ○ M. HIGH ● NORMAL ○ M. LOW ○ LOW	○ HIGH ○ M. HIGH ● NORMAL ○ M. LOW ○ LOW
Rear Down (RD)	From RH, P&R DOWN 1 time Rear Door Trigger	NORMAL	LOW	○ HIGH ○ M. HIGH ○ NORMAL ○ M. LOW ● LOW	○ HIGH ○ M. HIGH ○ NORMAL ● M. LOW ○ LOW
All Down (AD)	From RH, P&R DOWN 2 times. From RD, P&R DOWN 1 time. Side Door Trigger	LOW	LOW	n/a	○ HIGH ○ M. HIGH ○ NORMAL ○ M. LOW ● LOW
Depressurize	(2 Corner Mode): From RD, P&H DOWN (4 Corner Mode): From AD, P&H DOWN	FULL LOW	FULL LOW	○ HIGH ○ M. HIGH ○ NORMAL ○ M. LOW ● LOW	○ HIGH ○ M. HIGH ○ NORMAL ○ M. LOW ● LOW

P&R: Press and Release

P&H: Press and Hold

Quick Operating Guide

- **Normal:** Balance of Sport and Comfort.
- **Comfort:** Less responsive to external conditions / driver input. More plush and relaxed ride.

The system will react aggressively to evasive maneuvers regardless of ride setting.

Green Ride Height Lights:

- Solid green lights show the selected position.
- Flashing light indicates current position during change in level to the selected position.
- The system will auto select NORMAL at speeds above 15 mph.
- Driver can select either LOW or HIGH heights at speeds below 10 mph.
 - LOW: Use to ease loading, ease trailer connection, or provide additional roof clearance.
 - NORMAL: Pre-determined suspension height for daily driving.
 - HIGH: Use to provide additional ground clearance when needed.
- If LOW or HIGH are selected at speeds greater than 10 mph, the system will ignore the selection until the speed drops below 10 mph.
- See table on page one for all available height modes.

Leveling Jacks (if equipped):

If vehicle is equipped with additional leveling jacks, the following steps are recommended:

- Command the system to LOW.
- Press and release ON/OFF to turn system off when the "LOW" LED is solid.
- Level vehicle with jack system.

Before moving the vehicle:

- Retract the leveling jacks.
- Press and release ON/OFF to turn on the system when jacks are fully retracted.
- Command to NORMAL ride height.

NOTE: Some vehicles could experience a "tapping" sound when the system is initially activated. This is normal operation.

Rear Door Trigger (if equipped):

With the Ignition On:

- Driver interface must display "NORMAL" ride height.

- Open rear door. "LOW" (MED/LOW on 4 corner system) ride height LED will illuminate.
- Rear of vehicle will lower.
- Close rear door, "NORMAL" ride height LED will illuminate.
- Rear of vehicle will raise to "NORMAL" ride height.

With the Ignition OFF:

- Driver interface must show "NORMAL" ride height prior to turning ignition off.
- Open rear door, within 1 hour of ignition off, vehicle will lower to kneeled position.
- Closing the door prior to kneeled position will stop kneeling. Opening the door again resumes kneeling.
- Vehicle will remain kneeled until ignition is cycled on.

Side Door Trigger (if equipped, 4 Corner only):

With the Ignition On:

- Driver interface must display "NORMAL" ride height.
- Open side door. "LOW" ride height LED will illuminate.
- Front and Rear of vehicle will lower.
- Close side door, "NORMAL" ride height LED will illuminate.
- Front and Rear of vehicle will raise to "NORMAL" ride height.

With the Ignition OFF:

- Driver interface must show "NORMAL" ride height prior to turning ignition off.
- Open side door, within 1 hour of ignition off, vehicle will lower Front and Rear suspension.
- Closing the door prior to full lower will stop process. Opening the door again resumes kneeling.
- Vehicle will remain kneeled until ignition is cycled on.

Fluid Susceptibility to Temperature Change

With the ignition off, the vehicle will lower as the temperature decreases.

With the ignition off, the vehicle will raise as the temperature increases, however, the system will monitor the ride height and lower as necessary for four (4) hours.