



LOADRYDER ONBOARD SCALES USER MANUAL

READ THESE INSTRUCTIONS FULLY BEFORE USING



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1. PRODUCT INTRODUCTION

LoadRyder Onboard Scales is another innovative product from Pedders Suspension and Brakes that delivers real-time weight information for light commercial vehicles.

Your new Scales have many unique features including:

- Front, Rear and Gross Vehicle Mass load readings.
- Actual or remaining capacity display options.
- Integrated accelerometer.
- Parkbrake engagement recognition.
- Audible Alarm and 'overload event' notification.



2. MENU OPTIONS

To access the user menu options, press the return button.

Once in the menu screen, the following options are available to the user:

- Brightness: Select from high, moderate or low display screen options.
- Weight Display: Displays in kilo's or as a percentage.
- Calibration: View the remaining days until the re-calibration date is due.
- Date & Time: View system date & time.
- Buzzer Alert: View on/ off settings- NOTE: Can be locked to be accessed by administrator only.
- View Log: View on board memory of system power up and exception (overload) events,
- System: Details system model and software version.

Note: Brightness can also be controlled by the up and down buttons when not in menu mode.

3. NAVIGATING THE MENU

Use the “Up” and “Down” buttons to scroll through the menu and the “return” button to confirm your selection.



Brightness

Can be changed to low, med or high in the menu.

Note: it can also be adjusted using the up and down buttons when not in the menu.



3. NAVIGATING THE MENU

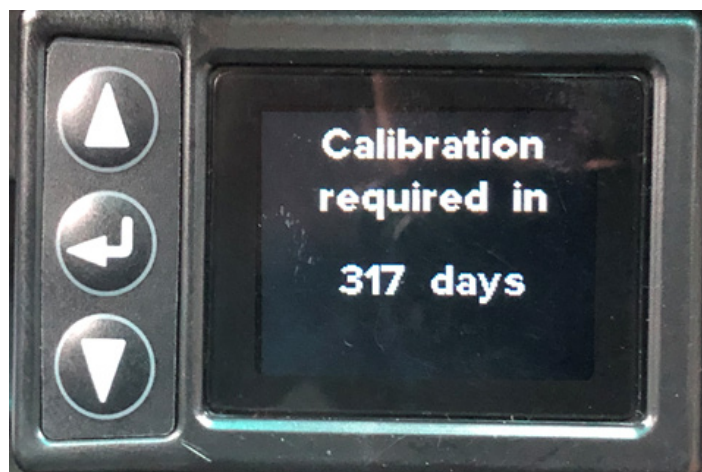
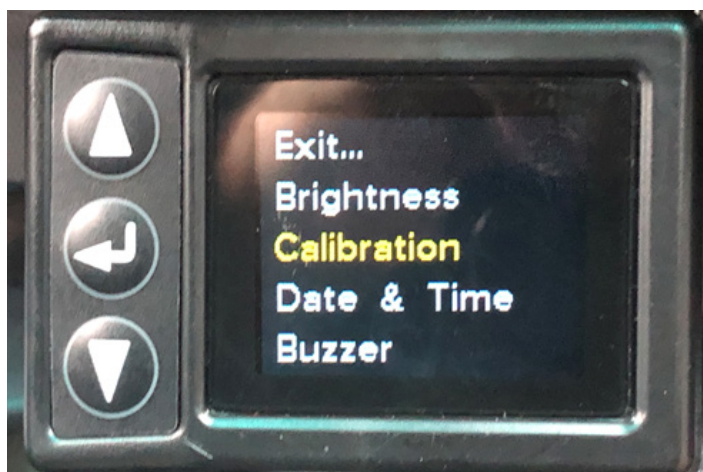
Percentage/Weight Screen

Press enter on the Loadryder display screen. Using the lower arrow key select Weight / % then press enter. Using the upper and lower arrow keys select weight or percentage. This will set the user screen to either the percentage or kilogram setting.



Calibration

Allow you access to the remaining time before annual recalibration is required.



3. NAVIGATING THE MENU

Date and Time

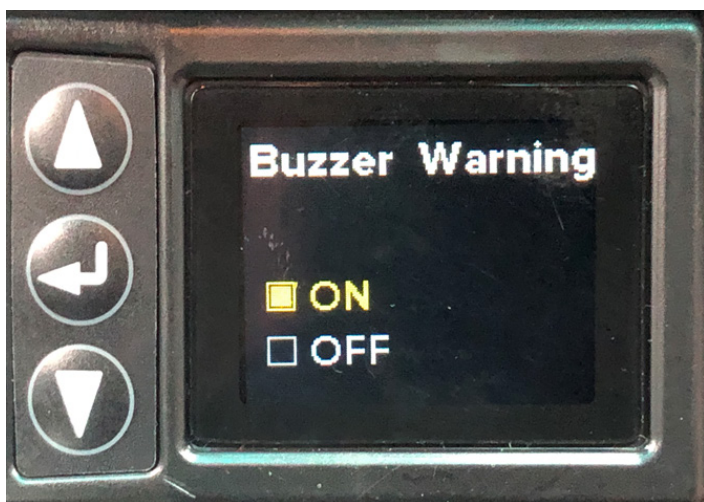
Allows access to the date and time recorded in the screen.



Buzzer

Will allow changing Buzzer alarm on or off.

Note: Ability to turn buzzer on/off is controlled by the admin menu.



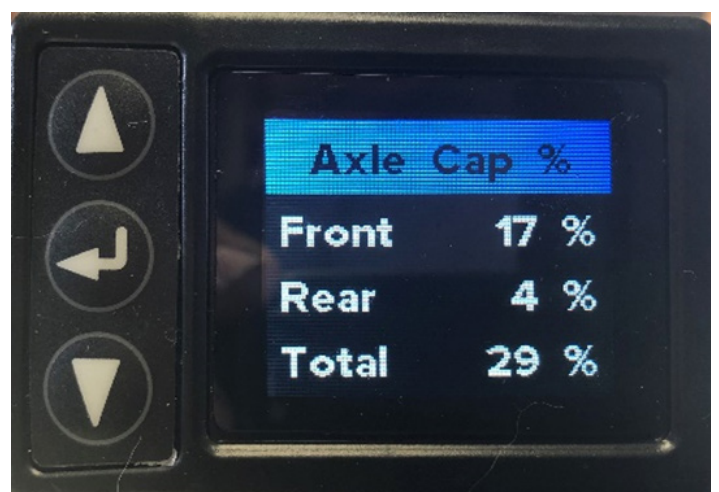
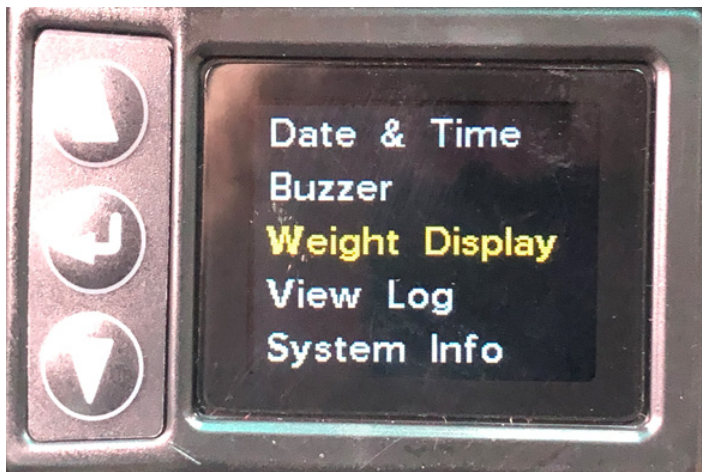
3. NAVIGATING THE MENU

Weight Display

Allows access to changing weight from total to remaining weight.

Note: Ability to change weight display is controlled by the admin menu.

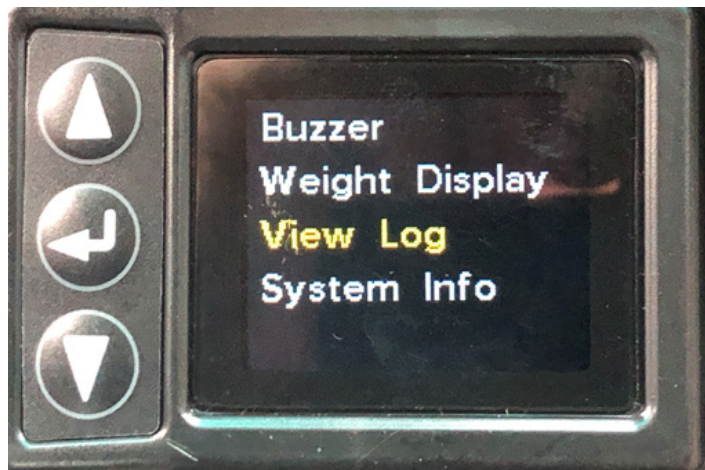
Note# It is recommended that the kilogram screen is set to load and the percentage screen is set to capacity.



3. NAVIGATING THE MENU

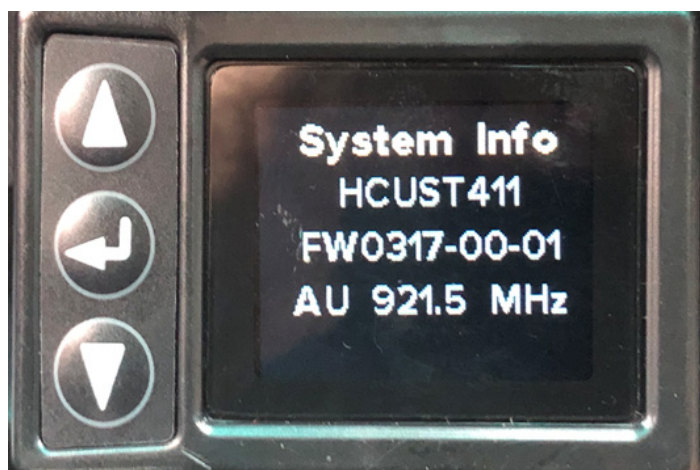
View Log

Allows access to information on stored start up and events.



System Info

Information on the LoadRyder system.



4. THE CALIBRATION PROCESS

The LoadRyder Onboard Scales Calibration process is essential for the accurate operation of LoadRyder Onboard Scales on each vehicle. The Calibration process is conducted when first setting up the system. It must be returned to a Pedders store on an annual basis for safety and performance testing to ensure continued accuracy and precision.

The system will notify you one month prior to the 12 month expiry date with a message on screen. At the expiry date of 12 months the system will notify you with a calibration overdue message.

5. PRODUCT WARRANTY

The LoadRyder Onboard Scales system comes fully backed by a 2 year / 40,000kms warranty supported by 120 stores Nationwide.

1. Why doesn't the system work while driving?

- a. The system is designed to stop working when driving to prevent possible false overload events occurring.

2. What is GVM?

- a. The GVM is the maximum weight that a vehicle can carry including its own weight. This is the maximum or total weight of a loaded rigid vehicle (including body, payload, fuel and driver).

3. What is axle capacity?

- a. This is the maximum load that your vehicle's front and rear axles can carry as specified by the manufacturer.

4. Why doesn't the axle weights match the GVM?

- a. The combined gross axle weights usually exceed the GVM, to provide a safety margin.

5. Why do I need to have the wheels in the straight-ahead position when I stop?

- a. Stopping when the wheels are not in the straight-ahead position can distort ride height creating a false reading.

6. How do I know how close to capacity the vehicle is?

- a. There may be an OE sticker in the door frame.
- b. The vehicles handbook may also contain vehicles load capacities.

7. What to do when the system alarms?

- a. When the system alarms it usually means the capacity of the vehicle has been exceeded.
- b. Stop and assess the alarm trigger. It may require removing weight from vehicle to place vehicle below manufacturers load limit.

8. Why can't I turn off the buzzer alarm or change the weight display?

- a. The ability to turn the buzzer/weight display on or off is predetermined at time of Installation and calibration.

9. Why has the unlevel bar appeared on the screen?

- a. The vehicle is unlevel beyond 3 deg and has triggered the level screen. Reposition vehicle to a level surface. The screen will automatically revert back to the weight screen when vehicle is level.

10. Why is the vehicle showing heavier on the rear axle and lighter in the front axle but the same GVM after I unhook a heavy trailer/caravan?

- a. The vehicle needs to be driven to settle the front suspension back to normal ride height. This usually occurs within a very short distance.

11. What do I do if the screen records a sensor failure or no data from transmitter?

- a. Contact your nearest Pedders store or representative for further diagnoses.

7. SYSTEM SPECIFICATIONS

SPECIFICATIONS			
PARAMETERS	MINIMUM	MAXIMUM	UNIT
SYSTEM			
Accuracy			
Screen Voltage	9	32	VDC
Transmitter Voltage	9	32	VDC
Operating temperature	-20	+70	C
Environmental Protection			
Screen	IP41		
Warning Weight Setting	80% Yellow		
Overload Weight Setting	100% - Red		
INTERFACES			
Telematics Output	12 V High / Low / PWM		
Screen Size	160 x 128		Pixels
ACCESSORIES			
Mounting Types	Adjustable RAM Mount		

DISCLAIMER:

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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This device is not mains connected. This equipment is not suitable for use in locations where children may be present.

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