



# RICE LAKE LaserLight3 Large-Display Weight Indicator User Guide

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**RICE LAKE LaserLight3 Large-Display Weight Indicator**




Manuals and additional resources are available from the Rice Lake Weighing Systems website at [www.ricelake.com](http://www.ricelake.com) Warranty information can be found on the website at [www.ricelake.com/warranties](http://www.ricelake.com/warranties)

**NOTE:** For more information, see the LaserLight3 Large-Display Indicator Technical Manual (PN 213589).

## Annunciators

The LaserLight3 provides status information about the weight value displayed. The LaserLight3 also has arrows and traffic lights that can be displayed by sending serial commands.

Annunciators	Description
Traffic Symbols	Red stop light, red x, green go light, green up arrow, green left arrow, and green right arrow
Weight Value	Displays weighment data
>0< →0←	The center of zero annunciator indicates the current gross weight reading is within $\pm 0.25$ display divisions of the acquired zero, or is within the center of zero band. A display division is the resolution of the displayed weight value, or the smallest incremental increase or decrease which can be displayed or printed
	The standstill annunciator indicates the weight is at standstill or within the specified motion band. Some operations, including zero, tare and print, can only be done when the standstill annunciator is displayed
GR NT	Displays which weight display mode is active, GR (Gross) or NT (Net)
lb kg oz g tn t	The current unit displays at the right side of the numeric weight area and specifies which unit of measure is being used. Indicates units associated with the displayed value, represents primary and secondary units such as lb, kg, g, oz, tn and t. The units are changed by pressing the Units button

**NOTE:** The layout of annunciators and size of weight digits vary depending on which mode is configured in the







Display menu. Legacy mode provides about 3.75-inch weight digits with annunciators along the bottom of the display, intended to support predecessor LaserLight2 display mode. Standard mode provides about 5-inch weight digits with annunciators stacked vertically along the right side.

Keypad

The keypad, located on the bottom right corner of the unit, allows for easy setup and operation of the LaserLight3. The keypad includes six function keys that operate LaserLight3 menus.




Figure 2. LaserLight3 Keypad

Key	Description	Menu Navigation
	Sets the current gross weight to zero, provided the amount of weight to be removed is within the specified zero range and the LaserLight3 is not in motion. The zero band by default to 1.9% of full scale, but can be configured for up to 100% of full scale	Moves up to different menu levels
	Switches the display mode from gross to net, or from net to gross. If a tare value has been entered or acquired, the net value is the gross weight minus the tare.	Moves down to different menu levels
	Performs one of several predetermined tare functions dependent on the mode of operation selected in the TARE FN parameter	Enters a menu or parameter and selects/saves parameter settings or values
	Switches the weight display to an alternate unit. The alternate unit is defined in the <b>Format</b> menu	Moves left (horizontally) in a menu level
	Sends on-demand print format out the configured port, provided the necessary conditions are met. RS232-1 is the default print port	Moves right (horizontally) in a menu level
	Accesses or exits <i>Menu</i> mode	

Menu Element Overview




LaserLight3 can display up to four lines, preceding and following menus/parameters and parameter configurations. A color scheme indicates the type element in the menu. Figure 3 through Figure 5 displays

illustrations with menu elements identified. 

**Menu with Selectable Item**



Figure 3. Selected Item Menu Example

Number	Element	Description
1	Red Font	Red font appears in two scenarios: <ul style="list-style-type: none"> <li>In center column to indicate previously selected menus and parameters</li> <li>On left or right sides to indicate previously available menus, options or parameters</li> </ul>
2	Yellow Font	Indicates a selected menu or parameter. Select a menu item with  and  , then  press to confirm selection
3	White Font	Indicates parameters or menu items that are not selected

Menu and Read Only Message










Figure 4. Read Only Menu Example

Number	Element	Description
1	Red Font	Red font appears in two scenarios: <ul style="list-style-type: none"> <li>In center column to indicate previously selected menus and parameters</li> <li>On left or right sides to indicate previously available menus, options or parameters</li> </ul>
2	White Font	Indicates a read only message



Figure 5. Text Editable Menu Example

Number	Element	Description
1	Red Font	Red font appears in two scenarios: <ul style="list-style-type: none"><li>• In center column to indicate previously selected menus and parameters</li><li>• On left or right sides to indicate previously available menus, options or parameters</li></ul>
2	White Font with Blinking Cyan Underline	Indicates a text configured parameter. Move character selection (cyan underline) with  and  Press  and  to change characters  Hold  to delete a character or hold  to insert a 0  Press  to confirm character configuration and return to the previous menu

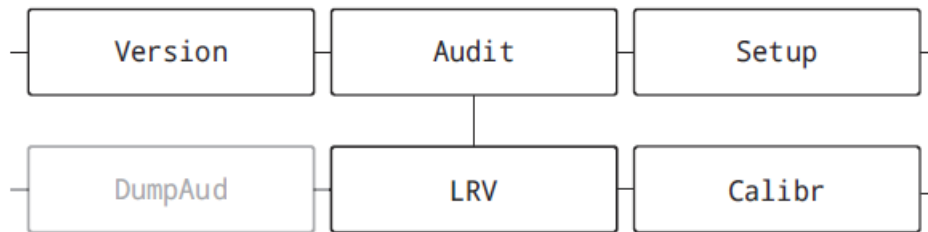
Software Functions

This section provides procedures for basic LaserLight3 software functions.

**NOTE:** Additional functions available if Setup mode is enabled. For more information about Setup Mode see the LaserLight3 Large-Display Indicator Technical Manual (PN 213589).

View Audit Trail Calibration Counter


Select Calibr (Calibration Counter) in the Audit menu to view the audit trail calibration counter number.



*Figure 6. Calibr Parameter Menu Path*

The audit trail calibration and configuration counters can be viewed in Menu mode.

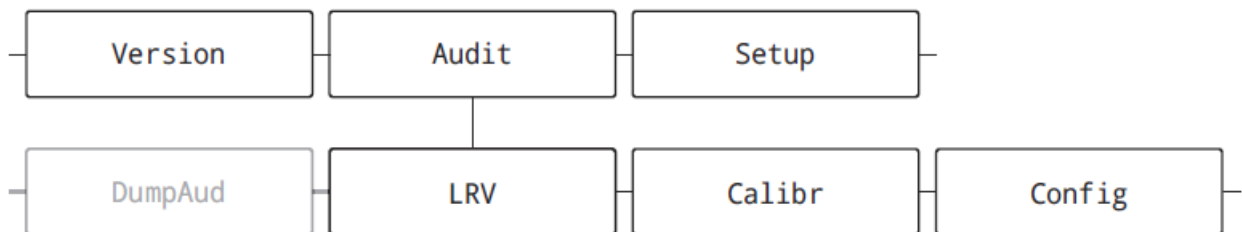
1. Navigate to Audit ▼ LRV ► Calibr.

2. Press  The audit trail calibration counter number displays.

3. Press  to exit the menu.

### View Audit Trail Configuration Counter


Select Config (Configuration Counter) in the Audit menu to view the audit trail configuration counter number.



*Figure 7. Config Parameter Menu Path*

The audit trail calibration and configuration counters can be viewed in Menu mode.

1. Navigate to Audit ▼ LRV ► ... ► Config.

2. Press  The audit trail configuration counter number displays.

3. Press  to exit the menu.









### Edit Time Value

Select Time in the top-level menu to edit the time.



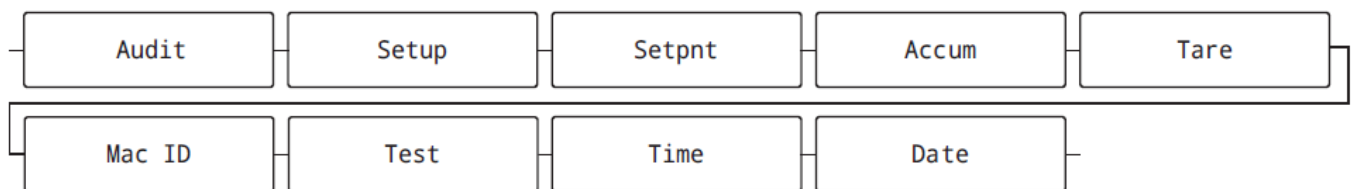
*Figure 8. Time Parameter Menu Path*

1. Navigate to Audit ► ... ► Time.









2. Press  to set the time.
3. To edit the time value:
  - Press  and  to select characters
  - Press  and  to edit the underlined character
4. Press . OK displays.
5. Press  then  to exit the menu.

### Edit Date Value

Select Date in the top-level menu to edit the date.



*Figure 9. Date Parameter Menu Path*

1. Navigate to Audit ► ... ► Date.
2. Press  to view the set the date.
3. To edit the date value:
  - Press  and  to select characters
  - Press  and  to edit the underlined character
4. Press . OK displays.
5. Press  then  to exit the menu.

### View Ethernet and Wi-Fi Media Access Control (MAC) IDs

Select MAC ID in the top-level menu to view the Ethernet and Wi-Fi MAC IDs. MAC addresses display in the following format: 88:88:88:88:88:88.

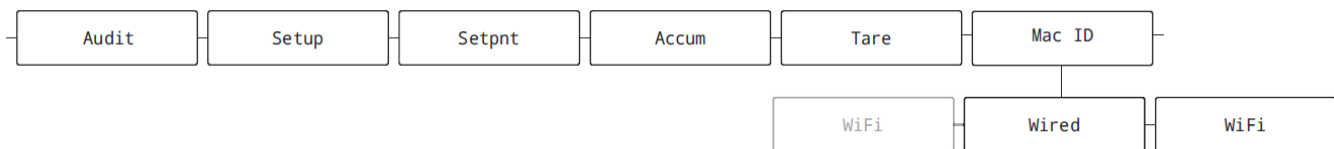


Figure 10. MAC ID Parameter Menu Path

1. Navigate to Audit ► ... ► Mac ID.

2. Press . Wired displays.

3. Press . Ethernet MAC ID displays.

4. Press . WiFi displays.

5. Press . WiFi MAC ID displays (if installed).

6. Press  to exit the menu.

### View Firmware Version

Select Version in the top-level menu to view the current firmware version.

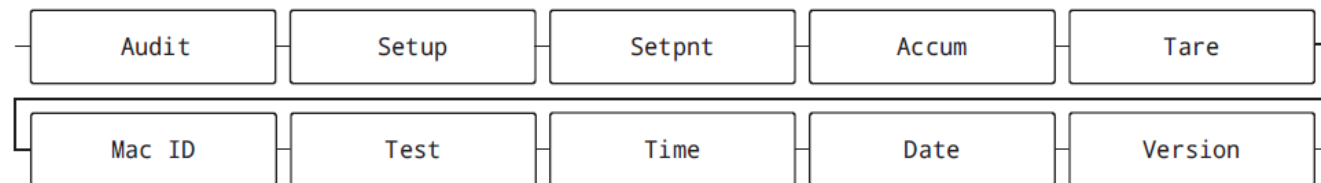



Figure 11. Version Parameter Menu Path

1. Navigate to Audit ► ... ► Version.

2. Press . The software version number displays.



3. Press  to exit the menu.

### Indicator Functions

This section provides procedures for basic indicator operations.

#### Zero Scale


1. In Gross mode, remove all weight from the scale and wait for the LaserLight3 to display .




2. Press ,  displays to indicate the LaserLight3 is zeroed.




## Print Ticket

1. Wait for  to display.

2. Press  to send data to the configured port(s).


If  does not display and  is pressed, the print action only occurs if the LaserLight3 comes out of motion within three seconds. If the LaserLight3 stays in motion for over three seconds, the  press is ignored.

## Toggle Units

Press  to toggle between primary and secondary units. The current unit displays.


## Toggle Gross/Net Mode

NET mode is available when a tare value has been entered or acquired (Net = Gross minus Tare). If tare has not been entered or acquired, the display remains in GROSS mode. GR (GROSS) or NT (NET) is indicated on the right side (in Standard Display Types) or along the bottom (in Legacy Display Type) of the display to indicate the current mode.



Press  to toggle the display mode between GROSS mode and NET mode.


## Acquire Tare

1. Place a container on the scale and wait for  to display.

2. Press  to acquire the tare weight of the container. The net weight displays and the NT (Net) is indicated on the left side of the display.

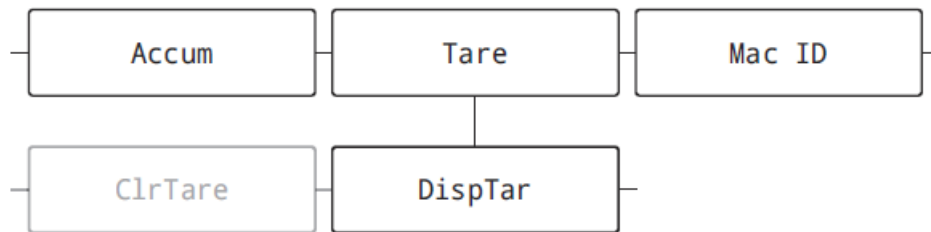
## Remove Stored Tare Value

1. Remove all weight from the scale and wait for  to display. The display shows a negative Net value or 0 Gross value and  displays.

2. Press . Tare is removed and the display changes to GROSS mode and GR (Gross) is indicated on the display.


## Display a Stored Tare

Select DispTar (display tare) in the Tare menu to display a stored tare.



*Figure 12. DispTar Parameter Menu Path*

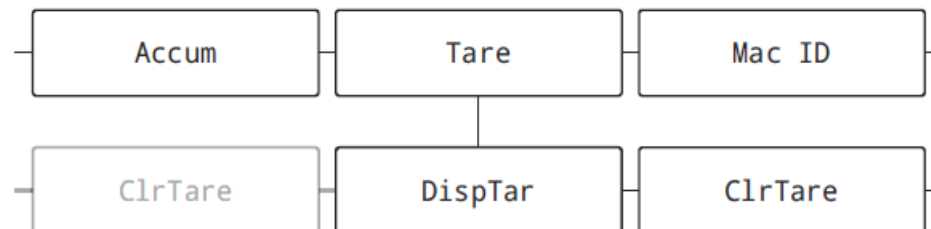
1. Navigate to Audit ► ... ► Tare ▼ DispTar.

2. Press . The stored tare value displays.

3. Press  to exit the menu.



### Clear a Stored Tare with Weight on Scale

Select ClrTare (Clear Tare) in the Tare menu to clear a stored tare without the weight being at zero.



*Figure 13. ClrTare Parameter Menu Path*

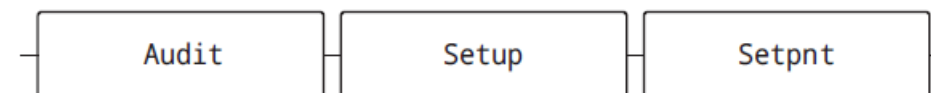
1. Navigate to Audit ► ... ► Tare ▼ DispTar ► ClrTar.

2. Press  or  to clear the stored tare value. OK displays.

3. Press  to exit the menu.


### View Configured Setpoint Values



Select Setpnt (Setpoint) in the top-level menu to view setpoint values.





*Figure 14. Setpnt Parameter Menu Path*

1. Navigate to Audit ► ... ► Setpnt.

2. Press . The lowest configured setpoint number displays (for example, Setpnt 1).

3. Press  or  to navigate to the desired setpoint number (1-8).

4. Press . The setpoint value displays.

5. Press  again to view the current configured setpoint value.

**NOTE:** Displayed setpoints are editable by default, since Access defaults to On. Change Access settings if Setpoint value needs to be read only (Access = Off) or hidden (Access = Hidden).

If access is set to Off, the LaserLight3 does not allow setpoint values to be changed. If access is set to Hidden, the setpoint does not display.

6. Use arrow keys to edit the setpoint.


7. Press  to accept the new value.

8. Press  to exit the menu.

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## Documents / Resources

	<p><a href="#">RICE LAKE LaserLight3 Large-Display Weight Indicator</a> [pdf] User Guide LaserLight3 Large-Display Weight Indicator, LaserLight3, Large-Display Weight Indicator, Large-Display Indicator, Weight Indicator, LaserLight3 Indicator, Indicator</p>
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## References

-  [Rice Lake Weighing Systems](#)
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-  [Warranties](#)
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