

## SkidWeigh *Plus* ED3/4-IM: Quick Reference Calibration & Operation Guide

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### SkidWeigh Plus ED3/4-IM Key Pad



#### (P) Key

- Print Tickets (systems with compatible printer)
- Save Data to USB
- Send Data to Base Station
- Waybill # ID Input
- Decimal Input (used with parts count by weight)

### SkidWeigh *Plus* ED3/4-IM Key Pad Operator Access Programming Functions

**Note:** All Keypad access control from the factory will come with 111 up to 999 (9 slots) pre-programmed into each unit. Therefore the first 9 slots should be reprogrammed when commissioned into your application.

**Step 1.:** Power on the unit. A correctly installed unit will show 'ENTER ID.' Enter the following code 742F.

**Step 2.:** The system will automatically begin on slot 1, which from the factory will be programmed with 111. Enter the new 3 digit operator code and press enter. Once accepted it will then move to slot 2. Repeat step 2 until all operator codes are entered into the system.

**Step 3.: Removing Operator Codes:** Power on the unit. Enter 742F using the keypad. Press enter until you come to the slot with the code to be removed. Enter 0 and press enter.



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## SkidWeigh *Plus* ED3/4-IM RFID Card Access Programming Functions

**Note:** All systems equipped with RFID Card or Fob readers will come with a Master Card for programming and 2 cards that will allow the vehicle to start till secure sequenced cards specific to operators are added.

**Step 1.:** Power on the unit. The LCD display will show 'Scan Card' touch the master card to the reader. The system will prompt you to 'add or delete cards'

**Step 2.:** Simply touch the cards you want programmed into the system - make sure that you see the card number added on the screen. When finished press 'Enter' the system is configured and will require those cards to start the vehicle.

## SkidWeigh *Plus* ED3/4-IM Administration Programming Configuration

**Note:** The administration menu is a password protected area that allows users with authority to configure specific options and download event data. Depending on how the unit is equipped, not all options may be available.

**To Access Administration Menu:** Using the keypad press **F** then **9** then enter the code **521**

### 1.) Calibration of On-board Scale

**Note:** Before beginning the calibration procedure you will need a load with a known weight suited to the forks or attachments on the lift truck.

**Step 1.:** With the lift truck turned on and the forks empty to the floor with no pressure in the hydraulic system press (F) then (9) and enter the 'Supervisor Code'.

**Step 2.:** The system will ask you to toggle between functions, select 'Calibrate Forklift' and lift the empty forks when asked. *Do not manipulate the tilt, side shift or fourth lever function during the zeroing process.*

**Step 3.:** The system will ask you to 'Lower Empty Forks' and then to 'Enter Known Weight'. Enter the load of the weight secured before the calibration process and press 'Enter'.

**Step 4.:** The system will now ask you to 'Lift Loaded Forks', similar to Step 2, *Do not manipulate the tilt, side shift or fourth lever function during the zeroing process.*

**Step 5.:** Calibration is now complete press (F) to exit the 'Supervisor Mode'.



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### 2.) Set Clock

**Step 1.:** With the lift truck powered on press (F) then (9) and enter the 'Supervisor Code'.

**Step 2.:** Use the arrow keys to scroll to 'Set Clock' press enter.

**Step3.:** The system will prompt you to select 'Auto' or 'Manual'. Auto refers to the SkidWeigh Plus ED4 and communicates with the required Base Station communication hub. Select 'Auto' and press enter the system will then show 'Synchronization' and retrieve the time from the Base Station.

**Step 4.:** For the SkidWeigh Plus ED3-IM select 'Manual' and press enter. Enter the correct time. Use enter to move through the date and time until finished. When complete the system will show configured.

### 3.) Setting High and Low Impacts

*Note: Every application is different and finding the correct impact value will take time and monitoring. The Low impact should be that threshold just beneath the High impact that pre-warns operators to be careful and or slow down. The High impact should be that threshold that upon detection warrants an vehicle investigation.*

**Step 1.:** With the lift truck powered on press (F) then (9) and enter the 'Supervisor Code'. Use the arrows to scroll to 'Set Impact' and press enter.

**Step 2.:** The system will first ask you to set 'Low Impact' use the arrows to select a value then press enter.

**Step 3.:** The system will next ask you to set 'High Impact' use the arrows to select a value then press enter.

**Step 4.:** The system will then prompt you to 'Enter High Impact Buzzer' Yes or No. Select then press enter.

**Step 5.:** If Yes was selected for Impact Buzzer the system will ask if you want it 'Continuous' Yes or No. Select then press enter.

**Step 6.:** If No was selected for Continuous the system will ask you to enter a 'Time (1-60)?' Referring to seconds enter the value desired and press enter. The system will let you know you are finished by displaying 'Impacts Configured'.



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### 4.) Setting Vehicle ID

**Note:** All reports will display a vehicle identification number as well as responsible operator. You can assign a numerical value to your lift truck up to 3 digits.

**Step 1.:** With the lift truck powered on press (F) then (9) and enter the 'Supervisor Code'. Use the arrows to scroll to 'Set Vehicle IDt' and press enter.

**Step 2.:** Enter the numerical ID assignment and press enter. When complete the system will display 'Vehicle ID Configured'.

### 5.) Save to USB

**Note:** For all events on the SkidWeigh *Plus* ED3/4-IM the system will record and provide a downloadable report.

**Step 1.:** With the lift truck powered on press (F) then (9) and enter the 'Supervisor Code'. Use the arrows to scroll to 'Save to USB' and press enter.

**Step 2.:** Make sure that a proper USB is fitted into the back of the unit before pressing enter. the system will acknowledge and show the download process.

**Step 3.:** When complete the system will ask you if you want to 'Erase SDRAM Flash Memory' Yes or No. If No you are complete if Yes the system will ask you 'Are You Sure?'. Select Yes again and you are finished and the memory is clear.

### 6.) Set Safety Time

**Note:** For pre-shift operator check the system will ask an OSHA compliant safety check at start of shift. This selection allows you to set your shift cycle. The system will come preset with 8 hour shift, continental 12 hour or daily 24 hour.

**Step 1.:** With the lift truck powered on press (F) then (9) and enter the 'Supervisor Code'. Use the arrows to scroll to 'Set Safety Time' and press enter.

**Step 2.:** The system will prompt for 'Start ?' Enter the time shifts begin and press enter. The system is now configured to the clock on the unit.



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### SkidWeigh *Plus* ED3/4-IM Data Export Menu

*Note: The data export menu is a password protected area that allows users with authority to download data from one on-board unit and upload to another. Depending on how the unit is equipped, not all options may be available.*

**To Access Administration Menu:** Using the keypad press **F** then **5** then enter the code **521**

*Note: Sometimes USB functions may require pressing enter more than once while the drive format is being accepted by the system.*

#### 1.) Download Data (From On-board unit to USB)

**Step 1.:** With USB inserted into the back of the on-board unit, scroll to Download Data and press enter. Wait for the system to inform of completion and remove USB.

#### 2.) Upload Data (From USB to On-board unit)

**Step 1.:** With USB inserted into the back of the on-board unit, scroll to Upload Data and press enter. Wait for the system to inform of completion and remove USB.

### SkidWeigh *Plus* ED3/4-IM Weighing Operations

*Note: Systems with the SkidWeigh *Plus* Weigh Scale will provide the ability to weigh pallets and or attachment loaded product. Depending on how the unit is equipped, not all options may be available. Before attempting to weigh product see calibration instructions above.*

#### 1.) SkidWeigh *Plus* Operation Guide

**Step 1.:** Drive forks into palletted load or secure load with attachment.

**Step 2.:** Make sure that forks or attachment are completely on the ground with no pressure in the system.

**Step 3.:** Lift the load approximately 2" to 4" off the ground using only the lift lever - same as normal usage if accelerator applies.



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### SkidWeigh Plus Operation Guide (continued)

**Step 4.:** Do not manipulate the tilt, side shift or fourth lever function during the weighing process

*Note: It is important to maintain consistency in the above process, similar to the process in the calibration guide. All SkidWeigh systems are supplied with a mast sticker that details the above. If you require a lost or replacement sticker please contact or go to [www.skidweigh.com](http://www.skidweigh.com).*

### 2.) Accumulative Totalling

*Note: Accumulative totalling allows you enter a multiple load weight measuring cycle and capture the total weight.*

**Step 1.:** Lift the load in accordance to the above operation guide and wait till the first load is displayed on the LCD screen. **Press (Enter Key ↵)** to start accumulating loads.

**Step 2.:** Repeat the lifting process, **Pressing the (Enter Key ↵)** each time to move to the next load. The system will automatically display the individual weight of the last load lifted as well as the amalgamated total of all loads lifted in the multiple load measuring cycle.

**Step 3.:** When the total number of loads required to be weighed has been reached. **Press (P)** to complete the cycle. The information pertaining to the multiple load weigh cycle will be transferred to a data source such as USB, print ticket, and or Base Station. The system will automatically be reset.

### 3.) Waybill# Load Identification

*Note: Systems with the waybill option will allow you to code your load or series of loads with an identification number.*

**Step 1.:** Lift the load in accordance to the above operation guide and wait till the first load is displayed on the LCD screen. **Press (Enter Key ↵)** to start accumulating loads. or **Press (P)** to enter waybill#

*Note: Upon system prompt - enter first digit of waybill # and press (Enter Key ↵) with each digit added and to forward to the next digit press (Enter Key ↵) When the last waybill digit is required press (Enter Key ↵) to complete load weight cycle ID#.*

*(A) By pressing (Enter Key ↵) the accumulative load weight cycle with waybill# will be reset. Load weight information will automatically be saved to USB, printer, and or Base Station, depending on system.*



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**Note:** *Waybill# Load Identification (continued)*

*(B) When a single load weight is displayed on the LCD press **(P)** to advance to the waybill# input. With the last waybill digit entered press **(Enter Key ↵)** complete the single load weigh cycle with waybill#.*

### Operator Admin Function

**Note:** *The operator admin menu provides the following setup and operation functions on demand. some functions may not be available depending on the configuration of the system.*

**Step 1.:** To enter the **Operator Admin Menu** press **(F)** then **(0)** and use the < > keys to scroll to the function to required.

#### **(A).: Unit Weight Display**

Allows operator to select weight unit for display, use < > keys to scroll between lb's or Kg's press **(Enter Key ↵)** change measurement unit.

#### **(B).: Parts Count**

Allows the operator to enter a part or unit weight to divide into the total of the load to a parts estimation count. Enter the weight of the standardized part, use the **(P)** key to input a decimal and press **(Enter Key ↵)** to set system. To reset system input 1.0.

#### **(C).: Tare**

Allows the operator to weigh a load and subtract a known bin or container weight to arrive at a net load weight. Tare default is automatically set to 0. To change input the known weight and press **(Enter Key ↵)** When finished reset the default to 0 and press **(Enter Key ↵)**

#### **(D).: Bluetooth**

Allows the operator to pair with a printer or scanner. The system has 3 modes, **AUTO**, **MANUAL** and **INQUIRY**, default and use **INQUIRY** and press **(Enter Key ↵)** to initiate the pairing process. Make sure that the printer or scanner are turned on while the LCD display shows **SEARCHING**. After a few seconds the LCD display will show **FOUND 1** press **(Enter Key ↵)** and the LCD display will show **CONNECTING**.

**Note:** *Printer and scanner models must be compatible with SkidWeigh systems. To find out contact us at [www.skidweigh.com](http://www.skidweigh.com).*