

1280 Kiosk/OnTrak Enterprise

Software Guide

Version 1.03

Operation Manual



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Revision History

This section tracks and describes manual revisions for awareness of major updates.

Revision	Date	Description
A	April 25, 2023	Initial manual release with product launch; Kiosk version 1.00
B	October 28, 2024	Added Dash Remote Display and Location Parameters; Updated Monitor Printer Status, Stop/Go Remote Display Parameters; Kiosk version 1.02
C	April 11, 2025	Renamed SmartPass to TransCore, updated TransCore scanning features and review screen; added loop entry delay, transaction modes, ability to disable review screen, and auto skip feature; Kiosk version 1.03

Table i. Revision Letter History



Technical training seminars are available through Rice Lake Weighing Systems. Course descriptions and dates can be viewed at www.ricelake.com/training or obtained by calling 715-234-9171 and asking for the training department.

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1.0 Overview

1.1 Overview

The 1280 OnTrak unattended kiosk iRite program is supported by the OnTrak® Enterprise Truck Scale Data Management Software and communicates with the OnTrak Enterprise PC program for all required information.

1.2 Safety

Safety Definitions:



DANGER: Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury. Includes hazards that are exposed when guards are removed.



WARNING: Indicates a potentially hazardous situation that, if not avoided, could result in serious injury or death. Includes hazards that are exposed when guards are removed.



CAUTION: Indicates a potentially hazardous situation that, if not avoided, could result in minor or moderate injury.



IMPORTANT: Indicates information about procedures that, if not observed, could result in damage to equipment or corruption to and loss of data.

General Safety



Do not operate or work on this equipment unless this manual has been read and all instructions are understood. Failure to follow the instructions or heed the warnings could result in injury or death. Contact any Rice Lake Weighing Systems dealer for replacement manuals.



WARNING

Failure to heed could result in serious injury or death.

Do not allow minors (children) or inexperienced persons to operate this unit.

Do not use for purposes other than weight measurement.

Do not place fingers into slots or possible pinch points.

Do not use any load-bearing component that is worn beyond 5% of the original dimension.

Do not use this product if any of the components are cracked.

Do not make alterations or modifications to the unit.

Do not exceed the rated load limit of the unit.

Do not remove or obscure warning labels.

Keep hands, feet and loose clothing away from moving parts.

Do not operate without all shields and guards in place.

Follow all traffic laws while driving.

Do not impede vehicle traffic.

Drive cautiously while being aware of surroundings and people.



NOTE: All translations are configurable in the Language database. After downloading a user program the Language database must be imported using Revolution® Scale Software. If the system displays Language DB Error in the lower left corner, the language database was not imported successfully.



NOTE: Shipping and Receiving text is configurable in Setup.

2.0 Truck Processing

The following instructions detail truck processing with a 1280 Enterprise™ Series Programmable Weight Indicator and Controller in an unattended kiosk running OnTrak Enterprise software.

1. Drive truck to the scale and OnTrak performs one of the following based on the **Loop Detector** setting:
 - A. Loop detectors are disabled and scale is empty with a zero value and a **green** traffic light displayed on the 1280.
 - i. *Enter Scale* displays.
 - ii. Weight displays on the Remote Display.
 - iii. Proceed to [Step 2](#).
 - B. Loop detectors are enabled or inverted and scale is empty with a zero value and a **red** traffic light displayed on the 1280:
 - i. *Waiting on Loop Detector* displays.
 - ii. Drive truck to loop detector.
 - iii. Loop detector activates and the system attempts to zero the scale. If successful or at zero, the system displays *Enter Scale* and a **green** traffic light.
 - iv. **Loop Entry Delay** begins.



Figure 2-1. Enter Scale Message

2. Drive the truck onto the scale and exceed the configurable **Threshold** weight.



NOTE: If Loop Detectors are enabled and the Threshold weight is not exceeded before the Loop Entry Delay expires, return to [Step 1](#).

3. (Optional) Select the language button to cycle through available languages.



NOTE: All translations are configurable in the Language database. After downloading a user program the Language database must be imported using Revolution. If the system displays Language DB Error in the lower left corner, the language database was not imported successfully.

See 1280 Enterprise™ Series Technical Manual (PN 167659) for information regarding how to import a database.



Figure 2-2. Language Selection Button

4. If Dash Remote is enabled in the setup menu, the Remote Display clears weight data and one of the following occurs:
 - Dashes display on LaserLight2™
 - NODATA displays on LaserLight3™



NOTE: An indication of when the threshold is exceeded is configurable. Displaying Dashes or NODATA is enabled by default. For more information see [Section 3.2 on page 14](#).

5. The 1280 validates the Scale Name:
 - A. Proceed to [Step 6](#) if the scale message does not display *Please Configure a Scale Name – Exit Scale*.
 - B. Perform the following if the scale message displays *Please Configure a Scale Name – Exit Scale*:
 - i. The driver must exit the scale and the attendant must access the 1280 Setup Menu and configure a Scale Name.
 - ii. The attendant selects **Scale Name**, the 1280 displays a list of Scale Names.
 - iii. The attendant selects the required **Scale Name** and the 1280 is ready to process trucks.
 - iv. The Scale Name is displayed in the upper left hand corner.
6. If Port 1 Peripheral is set as *TransCore* in the Setup Menu, enable *TransCore* output activates and the traffic light turns **red** while the 1280 displays *Scan RFID or Enter Truck ID*. Perform one of the following:
 - A. The RFID (radio frequency identification) was scanned as the truck entered the scale.
 - B. Scan the RFID.
 - C. Select **Enter Truck ID**.
 - i. Enter the Truck ID followed by **DONE**.



Figure 2-3. Scan RFID or Enter Truck ID Prompt

7. The 1280 validates the gross weight against the minimum and maximum weights (configured in OnTrak Enterprise).
 - A. If the gross weight is less than ($<$) the configured Minimum Truck Weight, the system displays *Truck Underweight*:
 - Select **Accept** and proceed to [Step 8](#).
 - Select **Cancel**. *Exit Scale* and a **green** traffic light displays. Remove weight and return to [Step 1](#).
 - B. If the gross weight is greater than or equal to ($\geq$) the Maximum Truck Weight, the system displays *Truck Overweight*:
 - Select **Accept** to proceed to [Step 8](#).
 - Select **Cancel**. *Exit Scale* and a **green** traffic light displays. Remove weight and return to [Step 1](#).



Figure 2-4. Truck Overweight Prompt



Figure 2-5. Truck Underweight Prompt

8. Depending on tare type the 1280 performs one the following:
 - A. If **Keyed Tare Weight** or **Stored Tare Weight** is greater than (>) 0, proceed to [Step 9](#) (Outbound Transaction).
 - B. If **Keyed Tare Weight** or **Stored Tare Weight** is 0, *Invalid Truck Tare* and a **green** traffic light displays. Remove weight and return to [Step 1](#).
 - C. Weighs the truck:
 - The 1280 sends truck inbound data to OnTrak Enterprise. Proceed to [Step 10](#).
 - Inbound data not found, proceed to [Step 9](#) (Inbound Transaction).
9. The 1280 displays **Shipping** and **Receiving** buttons. The driver selects **Shipping** (proceed to [Step 10](#) for customer transactions) or **Receiving** (proceed to [Step 11](#) for vendor transactions) and the 1280 sends the information to OnTrak Enterprise.



NOTE: If Dash Remote display is enabled in Setup, the remote display will display weight. To skip the “Select Shipping or Receiving” prompt, set the default Transaction Mode to Shipping or Receiving.

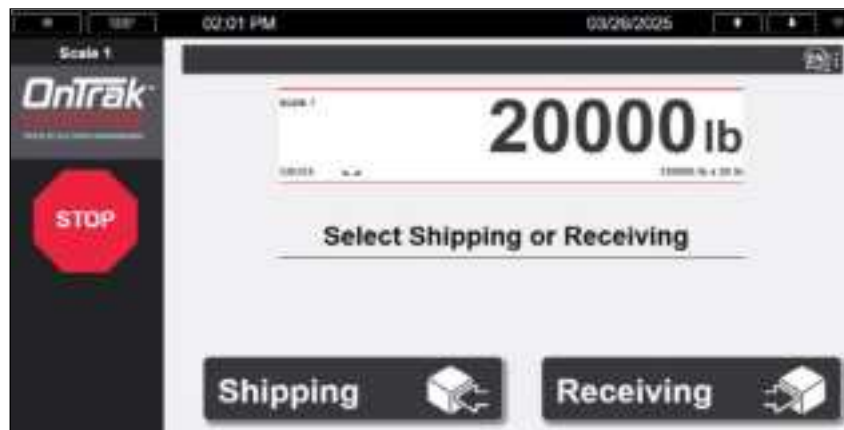


Figure 2-6. Shipping or Receiving Prompt



NOTE: Shipping and Receiving text is configurable in the Setup and can be configured for customer or vendor transactions. Job, Customer/Vendor and Product selections may not appear in sequential order and are based on Truck Configuration and Inbound Transactions in OnTrak Enterprise. Some options may be skipped based on the Auto Skip feature in Setup. Skip to [Step 11](#) for vendor transactions.

10. The 1280 displays the Job screen with three options:

- A. **Select Default/Inbound Job**, select to proceed with *Default/Inbound Job* option.



NOTE: *Jobs set as default populate this field even if the job is CLOSED in OnTrak.*

- B. **Request Job List**, select to view all *Jobs* from OnTrak Enterprise then select one.
C. **Continue with No Job**, select to advance without a job.

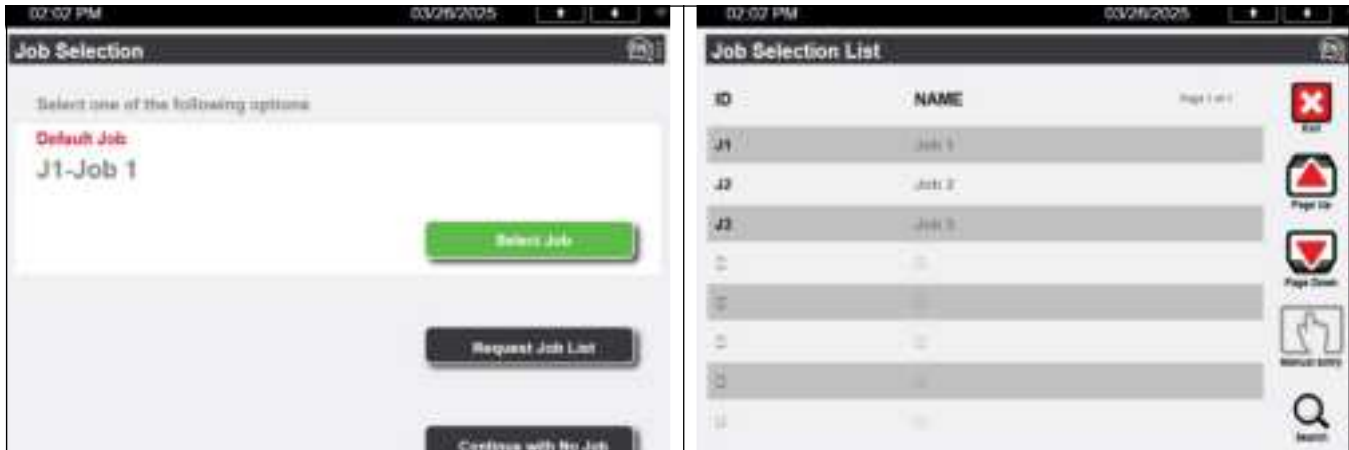


Figure 2-7. Job Selection Prompt and List

11. The 1280 displays the Customer or Vendor screen with three options:



NOTE: *This step is skipped if a job was selected in Step 10. Instead, the customer associated with that job is used.*

- A. **Select Default/Inbound Customer/Vendor**, select to proceed with *Default/Inbound Customer/Vendor* option.
B. **Request Customer/Vendor List**, select to view all *Customer/Vendors* from OnTrak Enterprise then select one.
C. **Continue with No Customer/Vendor**, select to advance without a customer/vendor.

12. The 1280 displays the Product screen with three options:

- A. **Select default/Inbound Product**, select to proceed with *Default/Inbound Product* option.
B. **Request Product List**, select to view all *Products* from OnTrak Enterprise then select one.



NOTE: *This option requests all products in OnTrak if no job was selected in prior steps. Otherwise, the product list only displays products associated with the selected job.*

- C. **Continue with No Product**, select to advance without a product.

13. (Optional) Custom user prompts (1 - 3) configured in OnTrak Enterprise display, if required enter data and select **DONE** button in each prompt.



NOTE: *User Fields only appear if enabled in OnTrak Enterprise. See OnTrak Enterprise Technical Manual (PN 216813) for more information.*

14. The system displays all configured information and displays: "Is Everything Correct?". Select **Accept** to proceed (Step 15) or **Cancel** to restart the procedure (Step 6).



Figure 2-8. Accept Information Prompt



NOTE: The above screen only displays if Review Screen is enabled in Setup (see Section 3.2 on page 14).

15. The system captures data, calculates weights, stores the transaction in the OnTrak Enterprise database and then prints the ticket.



NOTE: The ticket footer and header can be edited from the kiosk (Auxfmt1 and Auxfmt2).

16. (Optional) Press the Ticket Reprint button to reprint the ticket. The Ticket Reprint button remains on screen until the weight drops below the set **Threshold** in the Setup menu.



Figure 2-9. Reprint Ticket Button



NOTE: If connection between the kiosk and the Custom America printer is lost, the 1280 displays No Communication. If the printer reports an error, the 1280 may display No Communication, Out of Paper, Online, or Low Paper. These errors do not prevent completing a transaction. However, if the printer is off-line or out of paper, the driver must request a reprinted ticket from the attendant.

17. The 1280 displays *Weighment Complete - Exit scale*.



Figure 2-10. Accept Information Prompt

18. 1280 does one of the following based on the **Loop Detector** setting once the scale weight drops below **Threshold**.
- A. If loop detectors are disabled, wait until traffic light turns **green** then exit the scale and return to **Step 1**.
 - B. If loop detectors are inverted or normal, *Exit Loop Delay* displays until the timer expires. Turns traffic light **red**. Return to **Step 1**.

3.0 Setup Information

3.1 Serial Communications – Tickets, PC

This application does not utilize tickets or reports. All ticket formats and report printing is handled by the OnTrak Enterprise PC excluding the Footer and Header when printing at the Kiosk.

3.1.1 Header (AuxFmt1)

The message will be transmitted by default on port 2. The format can be modified through the 1280 front panel or with the Revolution scale software. This format includes special control characters before printing. For example, double high, double wide, font, etc.

3.1.2 Footer (AuxFmt2)

The message will be transmitted by default on port 2. The format can be modified through the 1280 front panel or with the Revolution scale software. This format includes special control characters after printing. For example, cut, release, etc.

3.1.3 Rice Lake Stop/Go Green Light (AuxFmt19)

The message will be transmitted by default on port 7. The format can be modified through the 1280 front panel or with the Revolution scale software.

3.1.4 Rice Lake Stop/Go Red Light (AuxFmt20)

The message will be transmitted by default on port 7. The format can be modified through the 1280 front panel or with the Revolution scale software.

3.2 Application Configuration

The **Setup** touch widget is password-protected and offers access to the following:

- Display Program Name and Version
- Display weight widget
- Streams Remote Display Command format (|<AA><CC>|<Data>! or CONDEC) out port 7 (Remote Display) for calibration and troubleshooting.

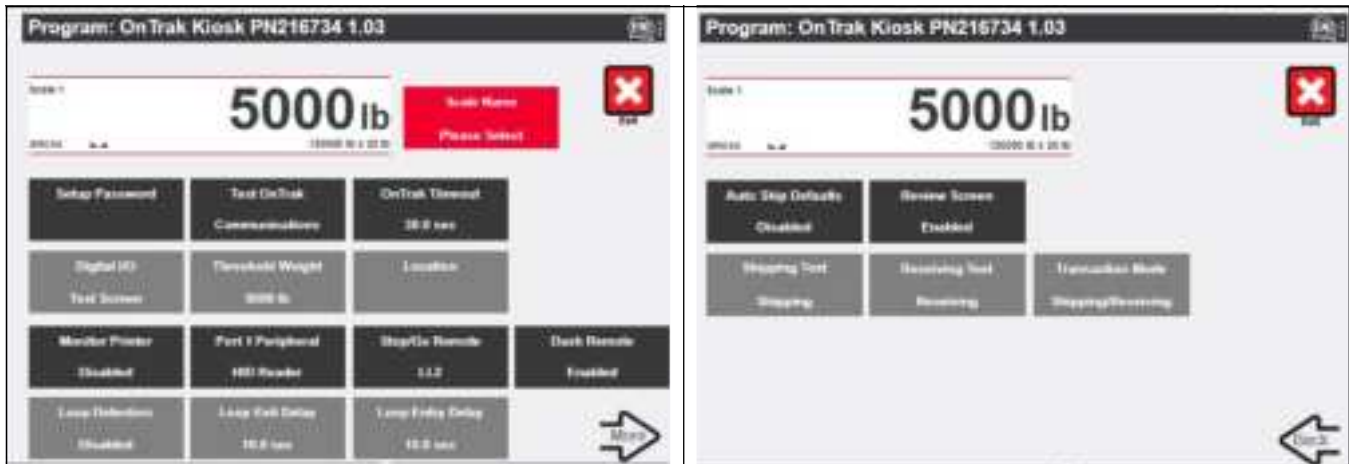


Figure 3-1. OnTrak Enterprise Kiosk Program

Parameter	Default	Touch Icon	Description
Scale Name	Please Select	Scale Name	Allows the operator to request all scale names from OnTrak Enterprise and select one from a list. Scale selection is required to process a truck.
System Password	""	Setup Password	Changes the password required for entry into the Setup Menu. Setting the password as nothing deactivates the prompt for a password when Setup is selected.
Test OnTrak Communications	-	Test OnTrak Communications	Tests communication with OnTrak Enterprise.
OnTrak Timeout	30 Seconds	OnTrak Timeout	Allows the operator to modify the duration the system waits for a response from OnTrak Enterprise.
Location	-	Location	Allows operator to modify the location of the transaction. This field is sent to OnTrak Enterprise and is used for the Location Pricing feature.
Digital IO Testing	-	Digital IO Test Screen	Turns on/off outputs and views status of inputs.
Threshold Weight	5000 lb	Threshold Weight	Allows the operator to modify the minimum weight threshold to recognize a truck is on the scale.
Shipping Text	Shipping	Shipping Text	Allows the operator to modify the Shipping Button text.
Receiving Text	Receiving	Receiving Text	Allows the operator to modify the Receiving Button text.
Monitor Printer Status	Enabled / Disabled	Monitor Printer	Allows the operator to Enable or Disable printer monitoring. • When the connection between the Kiosk and Printer is lost, the 1280 displays the message No Communication. • If the printer reports an error, the 1280 may display Offline or Out of Paper. • Other messages may include Online or Low Paper. NOTE: These errors do not prevent a transaction from being completed. However, if the printer is offline or out of paper it is the driver's responsibility to see the attendant to receive or reprint a ticket.

Table 3-1. OnTrak Kiosk Program Parameters Descriptions

Parameter	Default	Touch Icon	Description
Setup Serial Port 1	HID Reader / Transcore Active / Transcore Passive	Port 1 Peripheral	Allows the operator to change the device connected to serial port 1. The Operator must manually change the baud rate in the 1280 configuration menu to match the baud rate settings of the connected device.
Stop/Go Remote Display	Disabled / LL2 / LL3	Stop/Go Remote	Configures traffic light control between a LaserLight2 and LaserLight3. - LaserLight3 – Starts and stops internal streaming (Stream 1) only in Legacy Mode. - LaserLight2 – Starts and stops internal streams using DM Commands (Learn Enabled = OFF) NOTE: Both remote displays use Auxfmt19 and Auxfmt20 for Traffic Lights.
Dash Remote Display	Enabled / Disabled	Dash Remote	Configures if remote display shows dashes (LaserLight2) or NODATA (LaserLight3) when weight is above Threshold.
Loop Detectors	Normal / Inverted / Disabled	Loop Detectors	Allows the operator to configure loop detector as Inverted, Normal or Disabled. Loop Detectors are only used for zeroing the scale upon entry.
Loop Entry Delay	15.0 sec	Loop Entry Delay	Allows the operator to modify the duration the truck must exceed threshold before restarting the sequence.
Loop Exit Delay	10.0 sec	Loop Exit Delay	Allows the operator to modify the duration loop detectors are ignored when dropping below the Threshold.
Auto Skip Defaults	Enabled / Disabled	Auto Skip Defaults	Allows the operator to enable or disable the auto skipping of Job, Customer/ Vendor and Product selections. NOTE: Truck must be set up for defaults or contain an Inbound Record.
Review Screen	Enabled / Disabled	Review Screen	Allows the operator to enable or disable the review screen that appears before finalizing a transaction.
Transaction Mode	Shipping / Receiving Shipping Receiving	Transaction Mode	Allows the operator to skip the Shipping and Receiving selection by setting a default transaction mode.

Table 3-1. OnTrak Kiosk Program Parameters Descriptions (Continued)

3.3 Database Tables

All database information is maintained in the SQL Server Database on the OnTrak Enterprise PC except for Language translations.

Field	Type	Description
Nbr	Integer	Text string number
PriLan	String	Prompt in language (English by default)
SecLan	String	Prompt in language (Spanish by default)
TerLan	String	Prompt in language (French by default)

Table 3-2. LANGUAGE Database Table - 225 Records

3.4 Hardware Specifications

NIT	1280 Screen Size/Type (12 in or 7 in)
1500	12 inches

Table 3-3. 1280 Screen Size/Type

Slot	Type
1	Single Channel A/D Card
2	Dual Channel Serial Card
3	Currently Unused
4	Currently Unused
5	Currently Unused
6	Currently Unused

Table 3-4. Option Card Locations

Slot	Bit	Type	Function
0	1	Output	Red Traffic Light
0	2	Output	Green Traffic Light
0	3	Programmability	Loop Detector 1 (Optional)
0	4	Programmability	Loop Detector 2 (Optional)
0	5	Output	Enable TransCore Reader (Optional)
0	6	Off	Currently Unused

Table 3-5. Digital I/O

Device	Port	Type	Type	Setup
Serial Ports	1	Programmability	RFID Reader / TransCore Active / TransCore Passive	9600 baud, 8 data bits, no parity, 1 stop bit
Serial Ports	2	Programmability	Custom American Kiosk Printer	19200 baud, 8 data bits, no parity, 1 stop bit
Serial Ports	7	CMD	Remote Display	9600 baud, 8 data bits, no parity, 1 stop bit
Serial Ports	8	CMD	Currently Unused	9600 baud, 8 data bits, no parity, 1 stop bit
USB Device Port	3	CMD	Qwerty Keyboard (Optional)	-
USB A Port	-	CMD	Currently Unused	-
USB A Port	-	CMD	Currently Unused	-
Ethernet TCP/IP Port	10001	CMD	Currently Unused	TCP Server
Ethernet TCP/IP Port	-	CMD	Communication with OnTrak Enterprise	TCP Client 1
Ethernet TCP/IP Port	-	CMD	Currently Unused	TCP Client 2
Ethernet TCP/IP Port	-	CMD	Currently Unused	TCP Client 3
Ethernet TCP/IP Port	3000	CMD	Currently Unused	Web Server
Ethernet TCP/IP Port	20000	CMD	Currently Unused	Stream Server
SD card slot	-	CMD	8 GB MicroSD™ Card	Images

Table 3-6. Device Ports



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