

HH520 RFX WIRELESS HANDHELD



User Manual

TABLE OF CONTENTS

EU DECLARATION OF CONFORMITY	3
INTRODUCTION.....	5
SPECIFICATIONS	5
DISPLAY	5
ELECTRICAL.....	5
PHYSICAL	5
ENVIRONMENTAL.....	5
RADIO.....	6
HH520 INDICATOR OVERVIEW.....	7
HH520 WIRELESS HANDHELD INDICATOR	7
INDICATOR CONTROL KEYS	7
MENU OPTIONS	9
OVERVIEW.....	9
MENU.....	9
OPERATIONS.....	12
SCALE/BIN MODES	12
OVERVIEW	12
SCALE MODE	12
TARE SYNC.....	14
RADIO SETTINGS.....	14
HH520 DISPLAY MODES.....	15
NORMAL SCREEN	15
LOAD/UNLOAD READY SCREEN.....	15
LOAD/UNLOAD ACTIVE SCREEN.....	16
LOAD / UNLOAD PROCEDURES.....	17
LOAD PROCEDURE.....	17
UNLOAD PROCEDURE, OUTPUT MODE "0" (NO OUTPUT CONTROL).....	17
UNLOAD PROCEDURE, OUTPUT MODE "1" (AUGER OR CLUTCH ON/OFF CONTROL).....	18
UNLOAD/DISPENSE PROCEDURE, OUTPUT MODE "2" (OPEN/CLOSE GATE OR +/- SPEED CONTROL).....	19
PRACT WEIGHT	20
PRODUCT INTERFACES	21
LOGISTICS AND MAINTENANCE.....	22
POWER / BATTERY.....	22
BATTERY TYPE.....	22
ERROR MESSAGES	23
SCALE STATUS ERROR MESSAGES	23
HH520 INDICATOR STATUS ERROR MESSAGES.....	23
HOW TO CONTACT INTERCOMP SERVICE	24

This document is the property of Intercomp Co. and contains information that is confidential and protected under federal and/or state trade secret, unfair competition and copyright law. Any reproduction, use or disclosure without written permission from Intercomp Co. is prohibited.

EU DECLARATION OF CONFORMITY



PRODUCT DESCRIPTION: HH520 RFX Wireless Handheld

We, Intercomp Company
3839 County Road 116
Medina, Minnesota 55340 USA

Declare under the sole responsibility of Intercomp Company that the HH520 RFX Wireless Handheld to which this declaration relates is in conformity with the relevant Union harmonization legislation, and meets the essential health and safety requirements, and is in conformity with the relevant EC Directives listed below using the relevant section of the following standards and other normative documents.

Directive	Directive Title / Purpose
Directive 2006/42/EC	On machinery and amending Directive 95/16/EC (recast)
Directive 2012/19/EU	On waste electrical and electronic equipment (WEEE) (Directive 20/96/EC Recast)
Directive 2013/56/EU (amending 2006/66/EC)	Sets out that the limit of 0.0005% of mercury in batteries will also apply to button cell batteries from 1 st October 2015. The exemption of button cell batteries in hearing aids will be reviewed by 1 st October 2014. AKA batteries and accumulators directive
Directive 2014/30/EU Electromagnetic Compatibility (EMCD) Directive	Of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to electromagnetic compatibility (recast) Text with EEA relevance. The Directive covers apparatus sold as single functional units to end users, which are likely to 1) generate electromagnetic disturbance, or 2) have performance affected by electromagnetic disturbance. NOTE: If the unit has a radio (XBEE Radio Chip) installed, Directive 2014/53/EU will take precedence
Directive 2014/53/EU	Of the European Parliament and of the Council of 16 April 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC Text with EEA relevance AKA Radio Equipment Directive (RED)
EN 300 328 V2.1.1 (2016-11)	Wideband transmission systems; Data transmission equipment operating in the 2.4GHz ISM band
EN 301 489-1 V2.2.0 (2017-03)	Electro-Magnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements.
EN 55011:2016+A1:2017	Industrial, scientific and medical equipment. Radio-frequency disturbance characteristics. Limits and methods of measurement
EN 60950-1:2006+A2:2013	Information technology equipment. Safety. General requirements

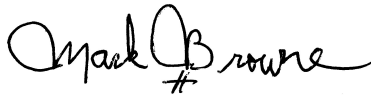
EU DECLARATION OF CONFORMITY

Directive	Directive Title / Purpose
EN 61000-6-1:2019	Generic standards, Residential, commercial and light industry environment
EN 61000-6-2:2019	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments
EN 61000-6-3:2007+A1:2011	Electromagnetic compatibility (EMC). Generic standards. Emission standard for residential, commercial and light-industrial environments
EN 62311:2008	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)

The safety issues of this measurement equipment have been evaluated under the self-certification provisions of the relevant directives. This product complies with all safety-relevant provisions referring to protection against electrical hazards and other hazards, such as mechanical hazards, fire hazards, noise and vibration.

The related technical construction files are held for inspection in the U.K. at Intercomp Europe Limited.

Signed for and on the behalf of Intercomp Company:



Mark Browne / Quality Manager
 Medina, Minnesota USA
 October 15, 2020

INTRODUCTION

This manual contains specifications and operating instructions for the Intercomp HH520 RFX Wireless Handheld.

SPECIFICATIONS

DISPLAY

DISPLAY KEYS					
POWER	ZERO	LOAD/▲	TARE/◀	MENU	SCALE/BIN/▶
GROSS/NET	UNLOAD/▼	START/STOP	NUMERIC KEYPAD	CLEAR	STORE/ENTER
DISPLAY SCREEN					
3.3 inches, Graphic LCD with Backlight					

ELECTRICAL

FUNCTION	SPECIFICATION
Batteries	4 x AA alkaline batteries
Battery Life	160 hours (80 hours with backlight on)

PHYSICAL

FUNCTION	SPECIFICATION
Size	3.8in x 1.6in x 8.3in (97mm x 40mm x 210mm)
Weight	15oz (430g)
IP	IP65

ENVIRONMENTAL

FUNCTION	SPECIFICATION
Humidity	10 to 95% non-condensing
Temperature	Operating -10° C to +60° C / 14° F to +140° F
	Storage: -30° C to +70° C / -22° F to +158° F

HH520 SPECIFICATIONS

RADIO

FUNCTION	SPECIFICATION
Radio Frequency	ISM 2.4GHz, 802.15.4 DSSS*
License Requirements	None. Pre-approved US/FCC, CAN/IC, EUR/CE
Range	200 ft. / 60m indoor, 300 ft. / 90m line of sight

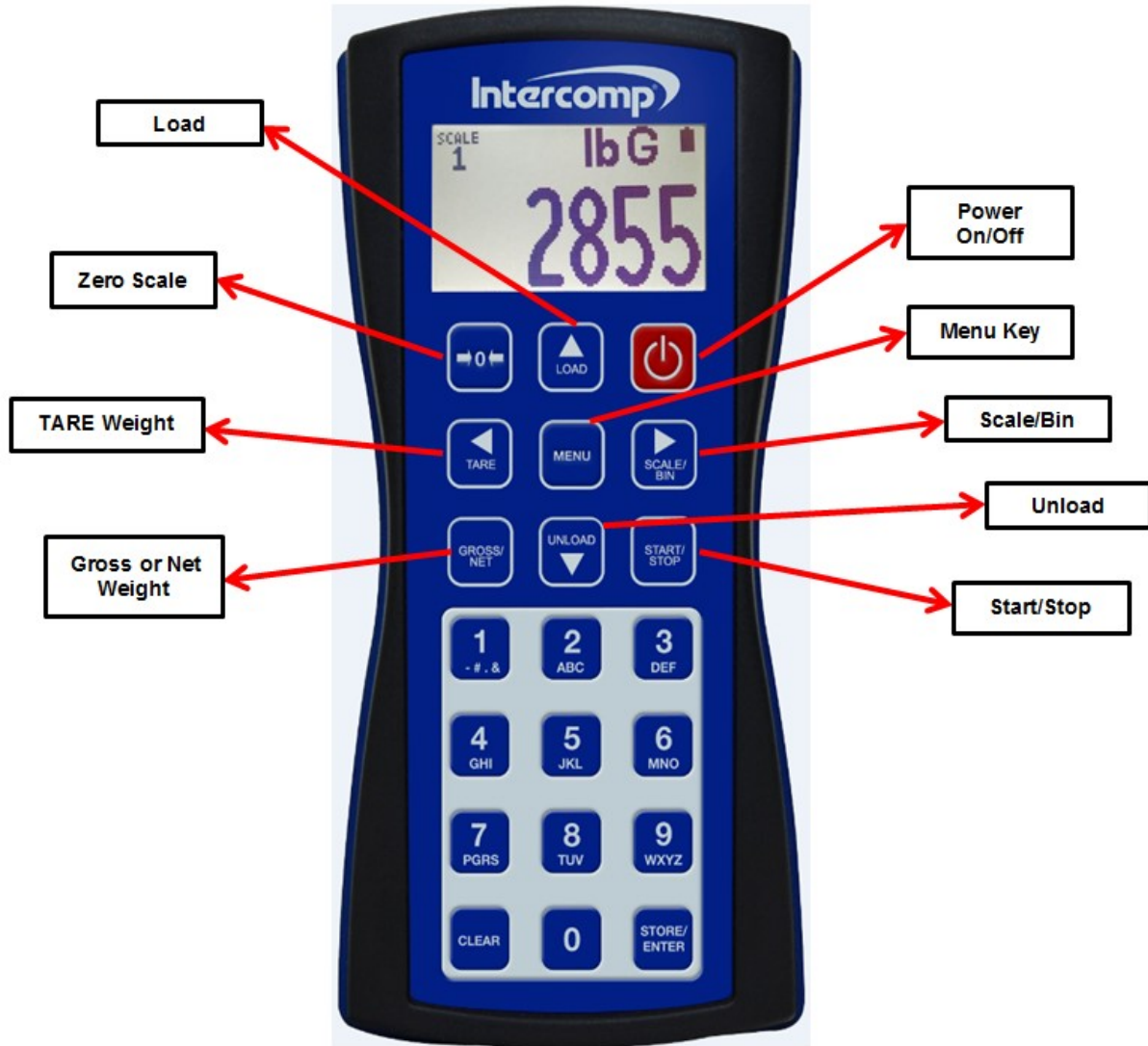
* Radio Notes: Frequency: ISM 2.4GHz (2.400GHz - 2.483GHz), with 12 channels (CH 1 -12) within that range with each center frequency = 2405MHz + (CH * 5) MHz Power output 63mW (18dBm), 10mW (10dBm) for international variant. Antenna is internal surface mount with -1.5dbi gain, omni-directional.



WARNING: FCC Radio Frequency (RF) exposure requirements for mobile transmitting devices dictate that a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended. The antenna used for this transmitter must not be co-located in conjunction with any other antenna or transmitter.

HH520 INDICATOR OVERVIEW

HH520 WIRELESS HANDHELD INDICATOR



INDICATOR CONTROL KEYS

KEY FUNCTION	DESCRIPTION
POWER	Press the POWER key to turn the HH520 ON and OFF.
ZERO (→0←)	The ZERO key will zero the HH520 and selected scale. Press the ZERO key and a confirmation screen will be displayed. Press the ZERO key again to confirm zeroing the selected scale.

HH520 OVERVIEW

Key Functions (continued)

KEY FUNCTION	DESCRIPTION
LOAD / ▲	Press the LOAD key to set up the parameters for a loading operation.
TARE / ◀	Press TARE to set the displayed weight as the TARE weight. Press the TARE and ZERO keys simultaneously to clear the TARE weight.
MENU	Press MENU to access or exit the Options menu. Refer to the MENU section for specific menu options.
SCALE / BIN / ▶	This SCALE/BIN key performs several functions depending on the setup parameters for the specific mode (refer to SCALE/BIN MODES in the OPERATIONS section). <u>SCALE</u> Press SCALE/BIN to toggle through active scales <u>BIN</u> Press SCALE/BIN to toggle through available bins
GROSS / NET	Press the GROSS/NET key to view weight in either Gross weight or Net weight view.
UNLOAD / ▼	Press the Unload key to set up the parameters for an unloading operation.
START / STOP	Press the START/STOP key to commence a weighing operation. Press the START/STOP key again to end a weighing action.
NUMERIC KEYPAD	The numeric keypad is used to enter numbers (0 - 9).
CLEAR	Press the CLEAR key to clear an entry. The CLEAR key can also be used to enter a STOP command.
STORE / ENTER	When a number, menu entry or command is entered, press the STORE/ENTER key to save the selection.
ADJUST CONTRAST	The arrow keys can be used to adjust LCD contrast. While holding the LEFT arrow key (TARE), repeatedly press the UP (LOAD) or DOWN (UNLOAD) keys to adjust the contrast up or down.

MENU OPTIONS

OVERVIEW

1. To access the HH520 Menu options, press the MENU key.
2. Press the UP (ZERO) and DOWN (UNLOAD) arrow keys to cycle through the Menu options. Upon selecting an option, press the STORE/ENTER key to edit the setting. The STORE/ENTER key can also be used to toggle through the available MENU Option selections.
3. Some menu options require a number(s) be entered for a setting. Use the keypad to enter the desired number. The Arrow keys may also be used to enter the number(s). When finished, press the STORE/ENTER key to save the setting.
4. To exit the Menu, press the MENU key.
5. The CAL ENABLE option is accessible only when the password has been entered.

MENU

MENU OPTION	SETTING	DEFAULT
NUMBER OF SCALES	Enter number of scale indicators in the system (1 - 10). WARNING: Do not attempt to set multiple Bins and multiple Scales to run concurrently.	01
NUMBER OF BINS	Enter the Number of Bins to be used in BIN Mode (0 to 10). WARNING: Do not attempt to set multiple Bins and multiple Scales to run concurrently.	00
BACKLIGHT	OFF: Always off. 5 sec: Backlight stays on for 5 seconds after pressing any key. 1 min: Backlight stays on for 1 minute after any key is pressed. ON: Always on.	1 min
UNITS	lb. or kg. Changing unit type will also convert the units on any scale currently communicating with the HH520.	Lb
AUTO OFF	Remote will turn off after 1-240 minutes with no key presses. Enter 0 to disable the Auto Off function. Unit will not turn off automatically. Changing the setting will also change the auto off setting on any scale currently communicating with the HH520.	20

MENU OPTIONS

MENU (continued)

MENU OPTION	SETTING	DEFAULT
RADIO SETTINGS	Enter Channel (1-12), PAN ID (0-65534) and Encryption key (0-65535). Editing these settings will change the radio settings on any scale currently communicating with the remote. The scale indicator and wireless remote used together in the system must share the same radio settings.	4/8000/0
READ ONLY	OFF or ON. When ON, the indicator will only read the weights on the scales and offer no control of scale functions. For example, when the HH520 Indicator is in READ ONLY mode it will not be able to Zero the scales, or change the scale unit of measure. The READ ONLY mode is useful when one indicator is used to provide control over the scales and the HH520 Indicator is employed as a secondary display.	OFF
SCALE SETTINGS	The SCALE SETTINGS mode is a Diagnostic function used to view scale settings.	-
SCALES OFF	Select NO: The scale must be powered off manually. Select YES: When the HH520 is shut off, the indicator will automatically send a wireless command to turn-off the LD720. NOTE: If the LD720 is turned off using the LD720 keypad or loses power, the unit will shut-down. To restart the indicator, press the power key on the LD720 keypad to turn the unit back on.	NO
UNLOAD OUTPUT MODE	0 = No output control 1 = Auger or Clutch on/off control 2 = Open/close gate or +/-Speed control	0
WARNING WEIGHT	Allows a threshold weight to be selected between 0 and the total weight that will alert the operator when the load/unload operation is nearly complete. When the weight reaches the threshold, the weight displayed in the window will be highlighted in inverse contrast (black background, white font). Enter 0 for No Warning.	0
CAL ENABLE	Allows entry into cal strap protected settings. No attempt should be made to edit the protected settings unless directed by an Intercomp service technician. If calibration of the scale requires adjustment, it should be done using the LD720 Ag Scale Indicator. Refer to the LD720 Ag Scale Indicator user manual, PN 7005108 for further details.	OFF (enter 477 to enable)

MENU OPTIONS

MENU (continued)

MENU OPTION	SETTING	DEFAULT
----	THE FOLLOWING SETTINGS ARE ONLY ACCESSIBLE WHEN THE CAL ENABLE FUNCTION PASSWORD HAS BEEN ENTERED.	----
GRAD	Settings: 2lb/1kg, 5lb/2kg, 10lb/5kg, 20lb/10kg, 50lb/20kg, 100lb/50kg. Enter the minimum graduation to be displayed on the scale for the weighing operation. Adjusting the GRAD setting will change the graduation on all scales currently communicating with the remote.	2lb / 1kg
AVG RATE	Setting range from 1 to 120. The higher the setting, the more scale readings will be included in the average rate calculation. Higher settings result in more accurate average weight calculations. However, the higher setting may result in a slower display response time. When the setting is set to 1, no averaging will occur. NOTE: The scale updates at 4Hz. For example, an average rate setting of 8 translates into 2 seconds of averaging. Editing this setting will change the average rate calculations on any scale indicator in communication range.	12
AZT	AZT Selections: Off, 0.6, 1.0, 3.0, 0.5. Auto Zero Tracking continuously maintains a zero indication with no load applied on the scale. Enter the maximum number of graduations that can be automatically zeroed off. Editing this setting will change the AZT on all scales currently communicating with the remote.	1.0
Default CPU	Resets the settings on the HH520 to factory defaults. Enter the confirmation code 911"to confirm reset.	-

OPERATIONS

SCALE/BIN MODES

OVERVIEW

The HH520 RFX Wireless Handheld communicates directly with the LD720 Indicator(s) requiring the SCALE or BIN mode to be set on both devices. The SCALE/BIN key (refer to the HH520 Controls section) enables the operator to toggle through active scales (SCALE mode) or available bins (BINS mode) using the HH520. **WARNING:** Only one mode can be in operation at a time. Do not attempt to set multiple Bins and multiple Scales to run concurrently.

SCALE MODE

SCALE SELECTION

To select the SCALE function, scroll down the menu to NUMBER OF SCALES mode. Press the STORE/ENTER key. The NUMBER OF SCALES message will be displayed followed by a 2-digit number (with right digit in flashing mode).

The HH520 can communicate with up to ten LD720 scale indicators. **NOTE:** The default setting must be set to 1. If multiple scales are required, enter a value from 2-10, then press the STORE/ENTER key. The display will revert back to the NUMBER OF SCALES mode screen.



WARNING: The NUMBER OF BINS mode must be set to 0 for the SCALE Selection mode to be active.

SCALE MANAGEMENT

When using the HH520 in an operation employing multiple scales, each scale will require an individual scale identification (ID). The scale ID is assigned by the LD720 Indicator connected to a specific scale. For example, if two scales have been selected, the LD720 connected to scale #1 would be set to scale ID 001. The scale ID for the LD720 connected to scale #2 would be set to 002. Follow the same scale ID assignment procedure for up to ten scales.

Setup Instructions for Scale Select Mode (Multiple LD720 scale indicators controlled by one HH520 Handheld)

LD720: Each LD720 must have a unique scale ID 1-x
Set Number OF BINS to 0

HH520: Set NUMBER OF SCALES to x (2 or more)
Set NUMBER OF BINS to 0

=

OPERATIONS

Scale/Bin Modes (continued)

BIN MODE

BIN SELECTION

To select the BIN function, scroll down the menu to "NUMBER OF BINS mode. Press the STORE/ENTER key. The NUMBER OF BINS message will be displayed followed by a 2-digit number (with right digit in flashing mode).

The HH520 can communicate with up to ten bins monitored by a single LD720 scale indicator. Enter the desired number of bins from 1 to 10 and press the STORE/ENTER key to save. The display will revert back to the "NUMBER OF BINS" screen. **WARNING:** The "NUMBER OF SCALES" mode must be set to the default setting of "1" for the BIN Selection mode to be enabled.



ATTENTION: When in BIN mode, neither the GROSS (G) or NET (N) icon will be displayed on the screen. The ZERO key is disabled when in BIN weight viewing mode.

Setup Instructions for BIN Select Mode (Multiple bin compartments monitored by a single LD720 scale indicator)

LD720: Set Scale ID to 1
Set NUMBER of BINS to = y (2 or more)

HH520: Set NUMBER OF SCALES to 1
Set NUMBER OF BINS to = y (same value as set on LD720)

BIN WEIGHT MANAGEMENT

To enter a weight for a specific bin, toggle the SCALE/BIN key to the desired BIN location. (NOTE: The HH520 must be set to the BIN mode to manage BIN weights). Press and hold the SCALE/BIN key. The screen will display the message ENTER WEIGHT For BIN #, followed by a 6-digit number (right digit in flashing mode). Enter the weight and press the STORE/ENTER key. The screen will then display the BIN number and weight. Follow the same procedure for additional bin locations.



ATTENTION: It is important to confirm bin selection prior to commencing a load or unload operation. If the desired bin is not selected, the weight change will not be applied to the bin.

OPERATIONS

TARE SYNC

Prior to operating the HH520 RFX Wireless Handheld with the LD720 LED Load/Unload Indicator, ensure the LD720 TARE Sync function is programmed for setting 2. The TARE Sync function must be set at 2 to activate the bar graph function on the HH520 Load/Unload Active screen referenced on page 12. NOTE: Verification of the TARE Sync setting should be a one-time occurrence. The TARE Sync default setting for the LD720 Indicator is 2 (refer to the LD720 Mode Menu, TARE Sync function referenced in the LD720 Indicator User Manual, Number 7005108).

RADIO SETTINGS

RADIO SETTING SELECTION

The HH520 and scale indicator when used together in a system must share the same radio frequency. Refer to RADIO SETTINGS under the MENU section for specific instructions on program or changing the settings.

Radio Program Option: Press and hold the Power key for 6 seconds at power on to display the ****Radio Program**** message. Release the Power key to transition to the Radio Program programming menu.

OPERATIONS

HH520 DISPLAY MODES

The HH520 has three display modes: Normal, Load/Unload Ready and Load/Unload Active. The display mode is determined automatically by the type of weighing activity or status of the scale(s). Each display mode is presented in the following screen shots.

NORMAL SCREEN

The Normal screen displays the current weight on the scale, the unit of measure (lb or kg) and Gross or Net weight view.



LOAD/UNLOAD READY SCREEN

The Load/Unload screen displays the weight to be loaded or unloaded. The Load/Unload Ready screens are identical except that the icon at the bottom right of the screen will reference either Load or Unload depending on the type of weighing activity.



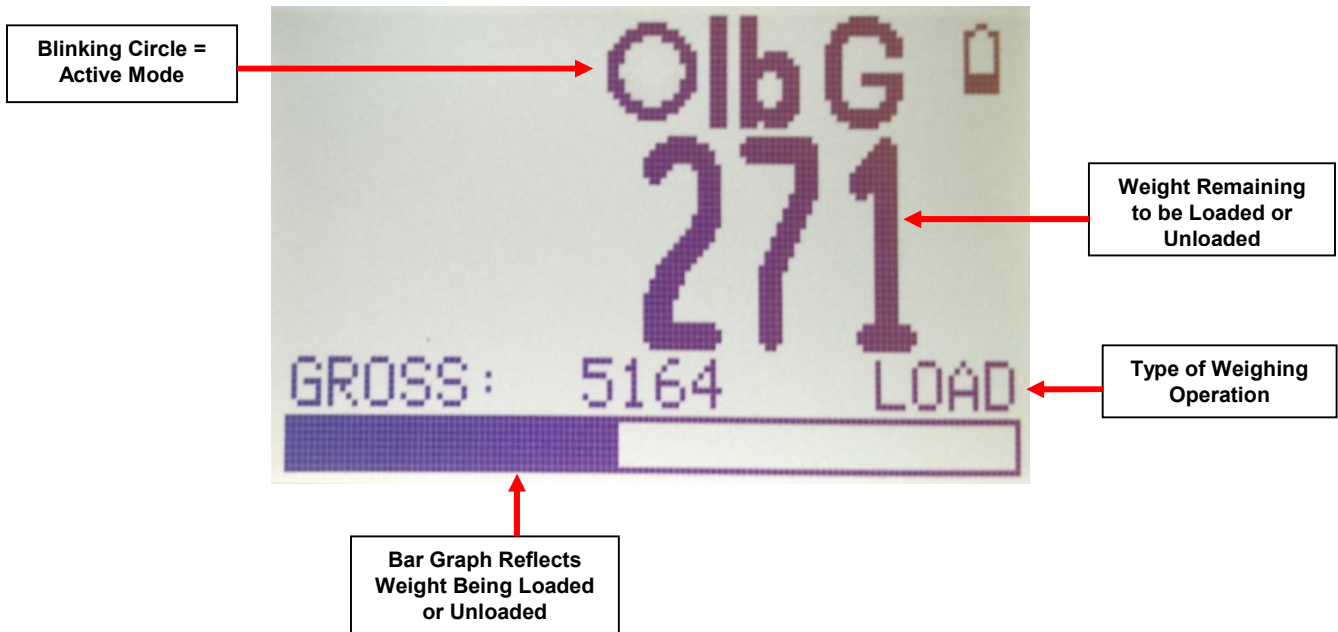
OPERATIONS

HH520 Display Modes (continued)

LOAD/UNLOAD ACTIVE SCREEN

The Load/Unload Active screen displays real-time status of the load/unload activity. The bar graph shows the weight of the material being loaded or unloaded. The Load/Unload Active screens are identical except that the icon at the bottom right of the screen will reference either Load or Unload depending on the type of weighing activity.

During a Load activity, the Weight to be loaded will decrease to zero while the bar graph will increase from 0 to 100%. During an unload activity, the Weight to be unloaded will decrease to zero while the bar graph will decrease from 100% to 0.



OPERATIONS

LOAD / UNLOAD PROCEDURES

LOAD PROCEDURE

1. Press the Load key. The screen will display the message Load Weight followed by a 5-digit number (right digit in flashing mode).
2. Using either the keypad or the Arrow direction keys, enter the weight to be loaded. Press the STORE/ENTER key to save the weight.
3. When desired load weight has been entered and saved, the screen will display the weight. Previously entered weight will be displayed at the bottom center of the screen by default. (Refer to the Load/Unload Ready screen in the HH520 Display Modes section)
4. To begin loading, press the START/STOP key. The screen will switch to the Load Active screen. (Refer to the Load/Unload Active Screen in the HH520 Display Modes section). As product is loaded, the weight displayed on the screen will decrease. There is also a bar graph on the bottom of the screen. The bar graph tracks the weight being loaded going from 0 to 100%.

****Real-Time Weight Tracking Minimizes the Over or Under Fill of Product****

5. When desired load weight has been achieved, press the START/STOP key to stop the current load operation. The screen will return to the Load/Unload Ready screen.
6. To start a new load with a different weight, repeat the instructions. To process a new load having the same weight as the previous load, press the START/STOP key to commence the load. When the load is complete, press the START/STOP key.

UNLOAD PROCEDURE, OUTPUT MODE "0" (NO OUTPUT CONTROL)

1. Press the Unload key. The screen will display the message Unload Weight followed by a 5-digit number (right digit in flashing mode).
2. Using either the keypad or the Arrow direction keys, enter the weight to be unloaded. Press the STORE/ENTER key to save the weight.
3. When the desired weight has been entered and saved, the screen will display the weight to be unloaded. Previously entered weight will be displayed at the bottom of the screen by default (refer to the Load/Unload Ready screen in the HH520 Display Modes section).

OPERATIONS

Unload Procedure (continued)

4. To begin unloading, press the START/STOP key. The screen will switch to the Unload Active screen (refer to the Load/Unload Active Screen in the HH520 Display Modes section). As product is unloaded, the weight displayed on the screen will decrease. There is also a bar graph on the bottom of the screen. The bar graph tracks the weight being unloaded going from 100% to 0.

****Real-Time Weight Tracking Minimizes the Over or Under Fill of Product****

5. When the desired unload weight has been achieved, press the START/STOP key to stop the current unload operation. The screen will return to the Load/Unload Ready screen.
6. To start a new Unload with a different weight, repeat the instructions. To process a new unload having the same weight as the previous unload, press the START/STOP key to commence the unload. When the unload is complete, press the START/STOP key.

UNLOAD PROCEDURE, OUTPUT MODE "1" (AUGER OR CLUTCH ON/OFF CONTROL)



ATTENTION: When the HH520 is set to Output Mode 1 the HH520 overrides the LD720 position, defaulting to the HH520 setting, eliminating the requirement to manually adjust the LD720 to match the HH520 setting.

1. Press the Unload key. The screen will display the message Unload Weight followed by a 5-digit number (right digit in flashing mode).
2. Using either the keypad or the Arrow direction keys, enter the weight to be unloaded. Press the STORE/ENTER key to save the weight.
3. When the desired weight has been entered and saved, the screen will display the message PRACT WEIGHT followed by a flashing 4-digit number with right digit in flashing mode (refer to PRACT WEIGHT definition presented at the end of the Load/Unload Procedures section). Enter the desired PRACT weight and press the Enter key to save.
4. When the desired weights have been entered and saved, the screen will display the weight to be unloaded. Previously entered weight will be displayed at the bottom of the screen by default (refer to the Load/Unload Ready screen in the HH520 Display Modes section).

OPERATIONS

Unload Procedure (continued)

5. To begin unloading, press the START/STOP key. The screen will switch to the Unload Active screen (refer to the Load/Unload Active Screen in the HH520 Display Modes section). As product is unloaded, the weight displayed on the screen will decrease. There is also a bar graph on the bottom of the screen. The bar graph tracks the weight being unloaded going from 100% to 0.

****Real-Time Weight Tracking Minimizes the Over or Under Fill of Product****

6. When the desired unload weight has been achieved, press the START/STOP key to stop the current unload operation. The screen will return to the Load/Unload Ready screen.
7. To start a new Unload with a different weight, repeat the instructions. To process a new unload having the same weight as the previous unload, press the START/STOP key to commence the unload. When the unload is complete, press the START/STOP key.

UNLOAD/DISPENSE PROCEDURE, OUTPUT MODE "2" (OPEN/CLOSE GATE OR +/- SPEED CONTROL)



ATTENTION: When the HH520 is set to Output Mode 2, the HH520 overrides the LD720 position, defaulting it to the HH520 setting eliminating the need to manually adjust the LD720 to match the HH520 setting.

1. Press the Unload key. The screen will display the message "Unload Weight" followed by a 5-digit number (right digit in flashing mode).
2. Using either the keypad or the Arrow direction keys, enter the weight to be unloaded. Press the STORE/ENTER key to save the weight.
3. When the desired weight has been entered and saved, the screen will display the message PRACT WEIGHT followed by a 4-digit number with the right digit in flashing mode (refer to PRACT WEIGHT definition presented at the end of the Load/Unload Procedures section). Enter the desired PRACT weight and press the Enter key to save.
4. When the desired weights have been entered and saved, the screen will display the weight to be unloaded. Previously entered weight will be displayed at the bottom of the screen by default (refer to the Load/Unload Ready screen in the HH520 Display Modes section).

OPERATIONS

Unload Procedure (continued)

5. To begin unloading, press the START/STOP key. The screen will switch to the Unload Active screen. (Refer to the Load/Unload Active Screen in the HH520 Display Modes section). As product is unloaded, the weight displayed on the screen will decrease. There is also a bar graph on the bottom of the screen. The bar graph tracks the weight being unloaded going from 100% to 0.

****Real-Time Weight Tracking Minimizes the Over or Under Fill of Product****

6. When the desired unload weight has been achieved, press the START/STOP key to stop the current unload operation. The screen will return to the Load/Unload Ready screen.
7. To start a new Unload with a different weight, repeat the instructions. To process a new unload having the same weight as the previous unload, press the START/STOP key to commence the unload. When the unload is complete, press the START/STOP key.

PREACT WEIGHT

PREACT weight is a value that is set to compensate for material that is still inbound as the auger/conveyor is stopped or the door/gate is closed at the end of an Auto Dispense action. The PREACT weight may require adjustment based on auger speed, chute length/size, gate timing (opening and closing), product type or weight.

PREACT Example (1)

TMR Mixer: If 250 lbs. of product is fed to the mixer from the time the gate starts closing to when it closes, the PREACT would be set to 250 lbs.

PREACT Example (2)

Seed Tender: If 50 lbs. of seed remain in the unloading tube after the auger/conveyor is stopped, the PREACT would be set to 50 lbs.

OPERATIONS

PRODUCT INTERFACES

The HH520 RFX Wireless Handheld is designed to interface with the Intercomp LD720 LED Load/Unload Indicator and the RD800 Remote LED display. The LD720 LED Load/Unload Indicator controls the weighing process and manages the weight data from the scale(s). The LD720 communicates with the handheld HH520 RFX Wireless Handheld and the optional RD800 Ag Remote Display through a proprietary RFX Wireless Communication/Protocol.

LD720 LED Load/Unload Indicator



RD800 Ag Remote Display



MAINTENANCE

POWER / BATTERY

BATTERY TYPE

This HH520 RFX Wireless Remote uses four AA batteries. Intercomp recommends the use of Alkaline or NiMH rechargeable batteries. The battery icon at the top right of the display will show the approximate battery level of the HH520 when using alkaline batteries.

BATTERY REPLACEMENT

To gain access to the batteries, remove the two screws that secure the battery access cover on the back of the HH520.



Remove Two
Screws

Install new batteries paying special attention to polarity. Reinstall the battery cover and secure with the two screws.



Positive Polarity
Positions 1 &3

Positive Polarity
Positions 2 &4

ERROR MESSAGES

SCALE STATUS ERROR MESSAGES

The Scale Status Error Message will be displayed in place of a load weight.

MESSAGE	DEFINITION
OFF	The scale is turned off or not communicating with the HH520.
LOST	The HH520 has lost communication with the scale.
EEPROM	EEPROM error. The scale has lost saved information or the calibration information was corrupted. Scale will require calibration.
ZERO	Zero Range error in the scale.
BATT	The scale has a low battery. Replace or charge the batteries in the scale.
CAP	The CAP message will be displayed if the weight on the scale exceeds the scale capacity. If there is no load on the scale, press the ZERO key twice to zero the load. The message may also be displayed if the scale load cell is not plugged in or may have failed.
UNITS	The scale units do not match the units set for the HH520. Toggle the UNITS key on the HH520 to send the correct units to the scale.

HH520 INDICATOR STATUS ERROR MESSAGES

MESSAGE	DEFINITION
EEPROM ERROR ENTER CODE: 00	EEPROM check fail. Enter 911 to reset the HH520 to default settings.
RADIO PROGRAM	This message will be displayed if the Power ON/OFF key is pressed for 6 seconds or longer. If this message is reached unintentionally, turn the HH520 off and then back on to prevent an inadvertent change of the radio settings.

HOW TO CONTACT INTERCOMP SERVICE

Please provide the following information when requesting service for the HH520 RFX Wireless Handheld.

1. Item Description and Part Number (if available)
2. Serial Number(s) of Item (if available)
3. When was item purchased (mm/yyyy)?
4. Where was item purchased (company/location)?

For Intercomp Service call or fax:

763-476-2531
1-800-328-3336
FAX 763-476-2613

Or complete the Service Support request form at:

<http://www.intercompcompany.com/service-contact.html>

Copyright Intercomp Company© 2020
ALL RIGHTS RESERVED



Corporate Office

3839 County Road 116
Medina, MN 55340 U.S.A.
Tel. 763-476-2531, 1-800-328-3336
Fax: 763-476-2613
www.intercompcompany.com

Intercomp Service Department

3839 County Road 116
Medina, MN 55340 U.S.A.
Tel. 763-476-2531, 1-800-328-3336
Fax: 763-476-2613