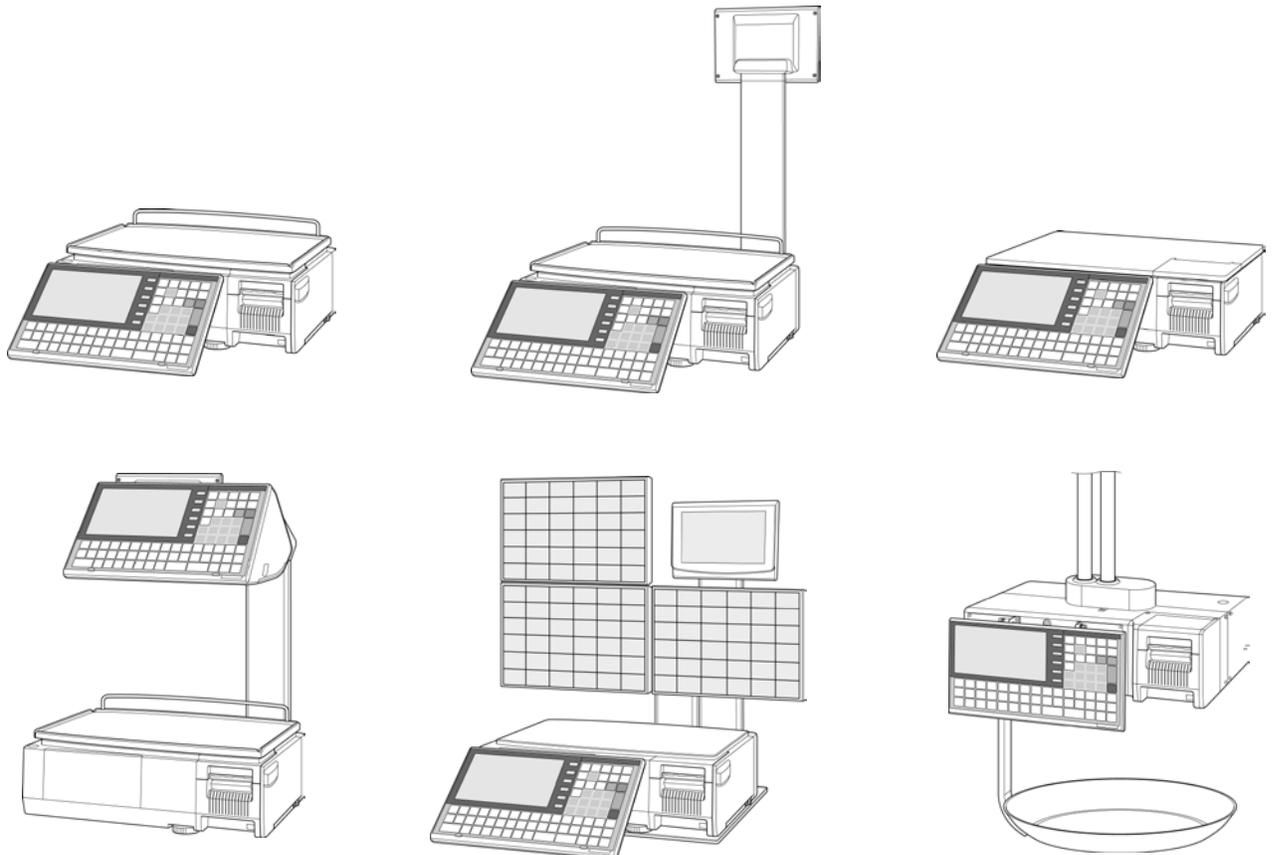


Ishida Uni-7 & Uni-5 Series Setup Manual



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Ishida Uni-7 & Uni-5 Touch Screen Scale and Printer Setup Manual

For those familiar with the Ishida Uni-7 or Uni-5 Touch Screen scale, this document may be used as a quick reference guide. Simply refer to the Table of Contents below and go to the appropriate page for instructions. It may also be used as a source of detailed step-by-step instructions to setup and configure the scale.

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Revision History

Revision	Date	Section	Description
1	June 2009		Initial publication
2	August 2010	6, 7, 8, 9 ---	USB Backup/Restore, Label Setup, Ad Messages, and Appendix added Screen images and photos added
3	February 2011	1B 5 Apndx B, C	Firmware Load by USB updated Wireless Configuration updated Menu Structure and Feature List updated
4	March 2014	7A --- 9 Apndx C	Updated for firmware B0674R / B0664J Updated to include Uni-5 Calibration added Feature List updated

1. Check and Update Scale Firmware

The scale firmware is uploaded by a USB memory stick. All service technicians working with the Uni-7 and Uni-5 scales should have access to at least one USB memory stick.

A. Checking the Firmware Version

Before configuring a new scale it is important to check the firmware version.

1. Unpack the scale and place on flat surface or worktable.
2. Power up the scale, press **ENTER** at the Date/Time confirm screen.
3. Press the **MODE** key to enter the Main menu.
4. Enter **495344** and press the **PLU** key to access hidden menu steps.
5. Press the **ADJUST** menu button.
6. Select **FIRMWARE DETAILS**.
7. Verify the TITLE SOFTWARE lists the current or desired firmware version.
Example: B0674R. See Figure 1.1.

Note: The following are current firmware versions as of March 2014.

Uni-7: B0674R

Uni-5: B0664J

8. Press the **RETURN ARROW** (top right).
9. Press the **OPERATION ICON** (lower right) to return to Normal Operation mode.

FIRMWARE DETAILS		MAR.04.2014 (TUE) 16:07
TITLE SOFTWARE	 B0674R	
SOFTWARE	VERSION No.	
MAIN	B0675R	
OS	VxWorks5.5.1-1.3/B0611E_SQL	
BOOT ROM	B0663	
KEY BOARD	B0614	
SCALE	J0659	
PRINTER1 (FPGA)	B0612A	
PRINTER2 (PK268*)		

Figure 1.1. Firmware Screen: Refer to "Title Software" Version Number

B. Updating Firmware by USB Memory Stick

Firmware files are loaded to the Uni-7 or Uni-5 directly from a USB memory stick.

WARNING: Make a USB, SLP-V or SLP-5, and i-Support or Maintenance Utility backup before updating firmware

1. Copy the scale firmware folder "Soft" onto an empty USB memory stick.
 - The folder and files must not be zipped.
 - The "Soft" folder must be the only data on the USB memory stick. See Figure 1.2.
 - Confirm the firmware is for the correct model: Uni-7 vs. Uni-5.

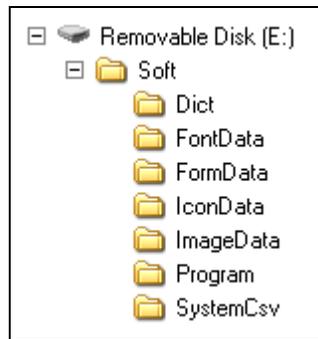


Figure 1.2. USB Memory Stick with Only "Soft" Folder

2. With the scale powered OFF raise the left side access panel.
3. Insert the Memory Stick in to the USB port. See Figure 1.3.



Caution

DO NOT REMOVE the USB Memory Stick during the firmware update procedure.



Figure 1.3. USB Memory Stick Location

4. Power up the scale and press the green **ENTER** button at the Date/Time confirm screen.
Note: Power up may take several minutes depending on the firmware version.
5. The upper display bar will be red indicating boot up from a USB Memory Stick. See Figure 1.4.

Notes:

- a. The scale will be in "European" mode with Kg, Euro, etc. See Figure 1.4.
- b. If the upper display bar is not red the USB memory stick was not recognized or the firmware files were not saved properly on the USB memory stick. Repeat the procedure from step 1 or try another USB memory stick. Confirm the USB memory stick is fully inserted.



Figure 1.4. Top, Red Bar Indicates Boot Up from USB Memory Stick

6. A warning message "Data Composition Is Different. Please Initialize the Memory" (0114-0000) may be displayed if the current and new firmware versions differ greatly. If this message appears press **OK** and skip to step 8.
7. Press the **MODE** key to enter the Main menu.
8. Enter **495344** and press the **PLU** key to access hidden menu steps.
9. Press the **ADJUST** menu button.
10. Scroll down and select **DOWNLOAD** (page 2/3).
11. At the DOWNLOAD (MAIN) screen press the **MAIN (ALL CLR)** button and press **EXECUTE**. See Figure 1.5.

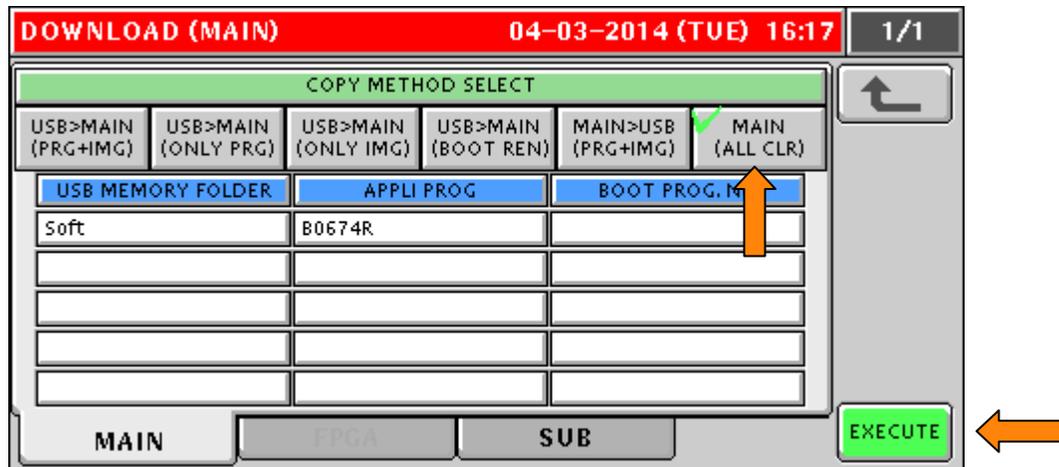


Figure 1.5. Select and Execute **MAIN (ALL CLEAR)**

12. A warning message "Data Composition Is Different. Please Initialize the Memory" (0114-0000) may be displayed if the current and new firmware versions differ greatly. If this message appears press **EXEC** to continue or **CANCEL** to stop and backup the scale data.
13. Press **EXEC** to begin clearing the existing firmware files from Flash ROM memory.
14. After the Flash ROM is cleared, the display will return to the DOWNLOAD (MAIN) screen.
15. Press the **USB>MAIN (PRG+IMG)** button. See Figure 1.6.
16. Press the firmware version to be installed. It will be highlighted in yellow. See Figure 1.6.

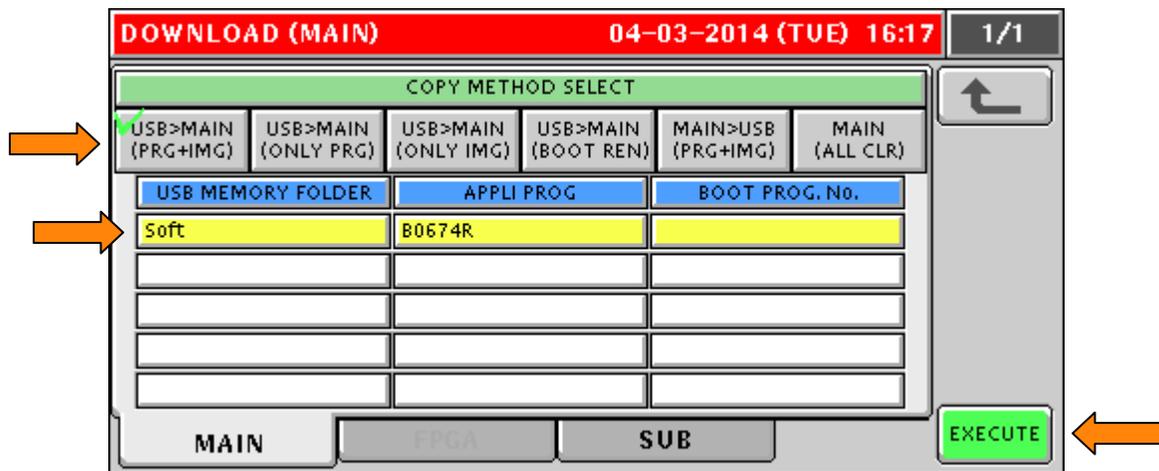


Figure 1.6. Select **USB>MAIN (PRG+IMG)** and the Firmware File to Install

17. Press **EXECUTE**.
18. Screen 15034-0000 "DATABASE VERSION IS DIFFERENT" may be displayed. Press **EXEC** to continue.
19. Press **EXEC** to begin the firmware download. See Figure 1.7.

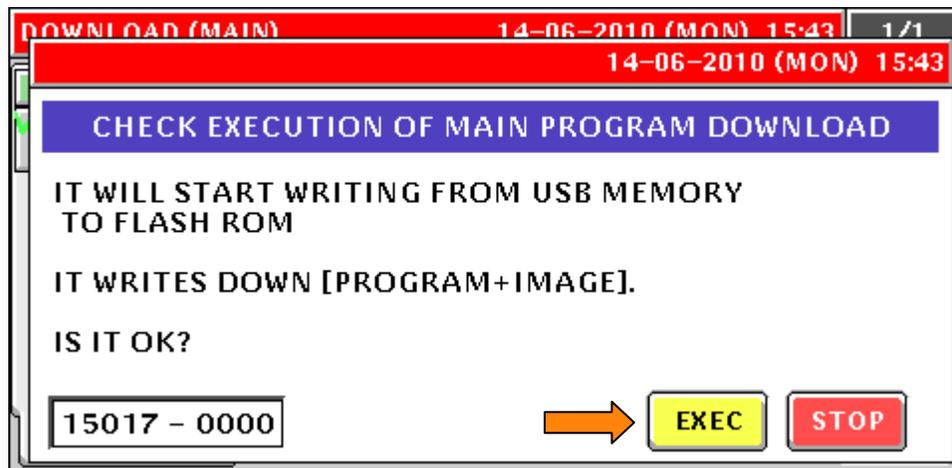


Figure 1.7. Press **EXEC** to Begin Firmware Download

20. The screen will show the firmware download progress. See Figure 1.8.
- Note:** The download may take a few minutes to begin and up to 12 minutes to complete. The flashing light on the USB memory stick indicates files are transferring.

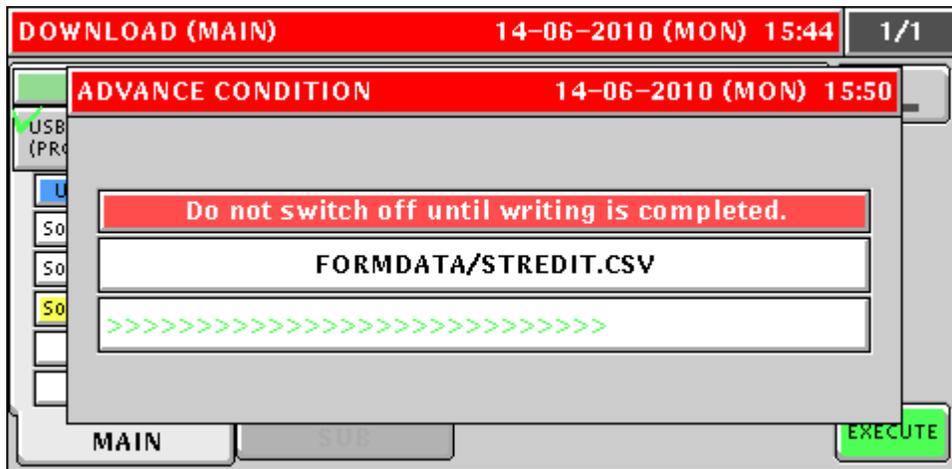


Figure 1.8. Firmware Download – This May Take Up to 12 Minutes

21. When message 15029-0000 is displayed the firmware download is complete -- power the scale off. See Figure 1.9.

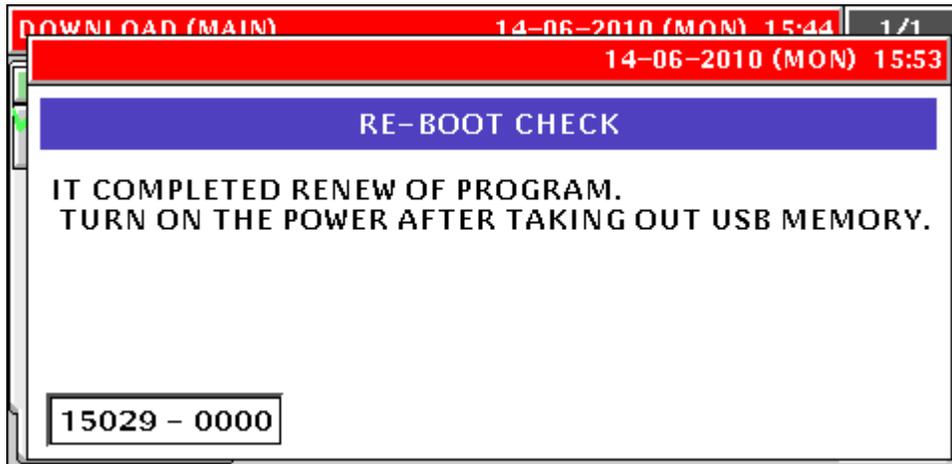


Figure 1.9. Firmware Download Is Complete

22. Remove the USB Memory Stick.
23. Wait five seconds and power up the scale.
24. Press **ENTER** at the Date/Time confirm screen.
25. A warning message "Data Composition Is Different. Please Initialize the Memory" (0114-0000) will be displayed again if the old and new firmware versions differ greatly. If this message appears press **OK** to continue, move to section 2. Memory Clear, step 3.
26. When the scale reboots the upper display bar will be blue indicating a normal start up from the main CPU board's Flash ROM. See Figure 1.10.

PLU 0				22-06-2010 (TUE) 15:52		TARE	kg
 				Check the weight before operation. Enter PLU No. and press [PLU] key.		0,000	
PLU No.	CATEGORY	CATEGORY	CATEGORY			ZERO	WEIGHT kg
0	MEAT	DELI	FISH			0,000	
TOTAL DISPLAY						UNIT PRICE	€/kg
CSIS						0,00	
KEY LOCK						TOTAL PRICE	€
<ON>						0,00	

Figure 1.10. Normal Startup Screen Following Firmware Upgrade

27. Confirm the new firmware version has been loaded – refer to section [1A. Checking the Firmware Version](#) above, starting at step 4.
28. Configure the scale for USA and clear the scale memory – refer to sections [2. Memory Clear](#) and [3. Basic Configuration](#) below.

2. Memory Clear

This procedure is for clearing all programmed data and resetting configuration to factory defaults.

Note: After loading new firmware the message "Data Composition is Different" (0114-0000) may be displayed. In that case press **OK** and begin from step 3 below.

1. Power up the scale and press the green **ENTER** button at the Date/Time confirm screen.
2. Press the **MODE** key to enter the Main menu.
3. Enter **495344** and press the **PLU** key to access hidden menu steps.
4. Press the **ADJUST** menu button.
5. Scroll down and select **MEMORY CLEAR** (page 2/3).
6. Perform three standard clears: Master Data Clear, System Data Initialize, and Test Data Set following the steps below. [See Figure 3.1.](#)
 - a. Press **CLEAR** → press **EXEC** → "OK" is displayed.

Note: Master Data Clear deletes all data in the Program menu and custom Label Formats.
 - b. Press **INIT.** → press **EXECUTE** → "OK" is displayed.

Note: System Data Initialize resets all configuration data to default values (Setup and Adjust Menus).
The following data are not cleared: Calibration, Ethernet settings, Printer settings, and Images (stored in Flash memory).
 - c. Press **SET** → press **EXECUTE** → "OK" is displayed.

Note: Test Data Set creates PLUs, Store Name, Preset Keys, etc. for testing purposes.

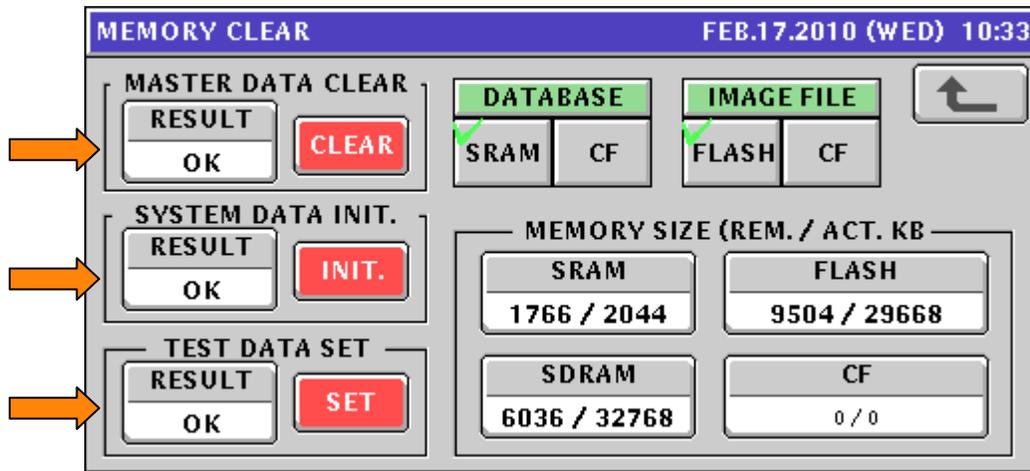


Figure 3.1. Memory Clear

7. Press the **RETURN ARROW** (top right).
8. Press the **OPERATION ICON** (lower right) to return to Normal Operation mode.
9. If the Date/Time confirmation screen is displayed, press **ENTER**.
10. Memory Clear is complete.
11. Proceed to the Basic Configuration section below to set the scale to USA, etc.

3. Basic Configuration

After loading new firmware the Uni-7 and Uni-5 scales default to a European format. This is seen on the main display where the weight units are "kg" and the decimal points are replaced by commas. Use these steps to restore the scale to USA settings.

1. Press the **MODE** key to enter the Main menu.
2. Enter **495344** and press the **PLU** key to access hidden menu steps.
3. Press the **SETUP** menu button.
4. Scroll down and select **COUNTRY** (page 5/6).
5. Confirm **ENGLISH** is selected. [See Figure 2.1.](#)
6. Enter **951753** and press the **PLU** key to access **COUNTRY SELECT**.
7. Select **USA**. [See Figure 2.1.](#)

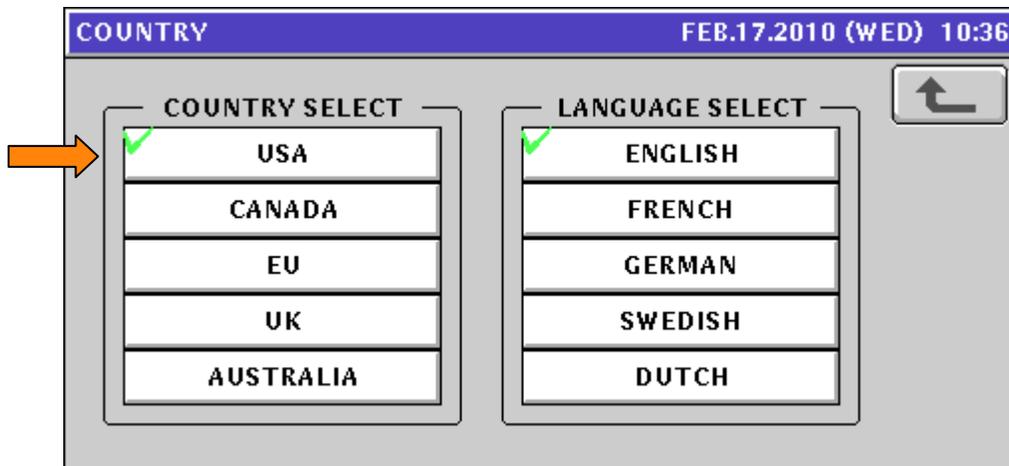


Figure 2.1. Country Select: USA

8. Press the **RETURN ARROW** (top right).
9. Press the **ADJUST** menu button.
10. Select **DATE TIME**.
11. Enter Date and Time values as needed. Enter the data in the formats noted on the display.

Note: The Time is entered in a 24-hour format. See [Figure 2.2](#).

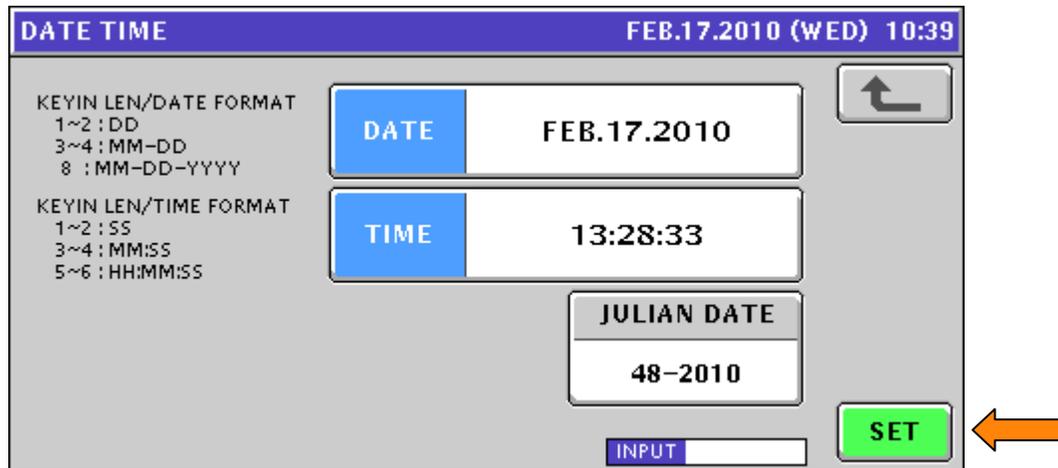


Figure 2.2. Date and Time

12. Press **SET** and **EXEC** to save the Date and Time.
13. Press the **OPERATION ICON** (lower right) to return to Normal Operation mode.

4. Ethernet Configuration

This section covers setting the Uni-7 and Uni-5 IP Address, Subnet Mask, etc. After completing this section, refer to Section 5. [Wireless Configuration](#) to complete communications setup of wireless scales.

Note: If the scale will be hardwired to the network, disconnect the patch cable from the internal bridge connected to the scale's LAN port. See [Figure 1.3](#).

1. Press the **MODE** key to enter the Main menu.
2. Enter **495344** and press the **PLU** key to access hidden menu steps.
3. Press the **SETUP** menu button.
4. Select **MACHINE No. (COMMS)** (page 1).
5. Select the **IP ADDR** tab.
6. Enter the scale's IP Address and press the **IP ADDRESS** field. See [Figure 4.1](#).
7. Enter the scale's Subnet Mask and press **SUBNET MASK**. Example: 255.255.255.0
8. Enter the scale's Default Gateway and press **DEFAULT GATEWAY**. Example: 0.0.0.0

Note: If the scale will be on a Wide Area Network the customer must provide the Gateway IP Address.

If the scale is not connected to a WAN set the Default Gateway as 0.0.0.0 to avoid communication problems.

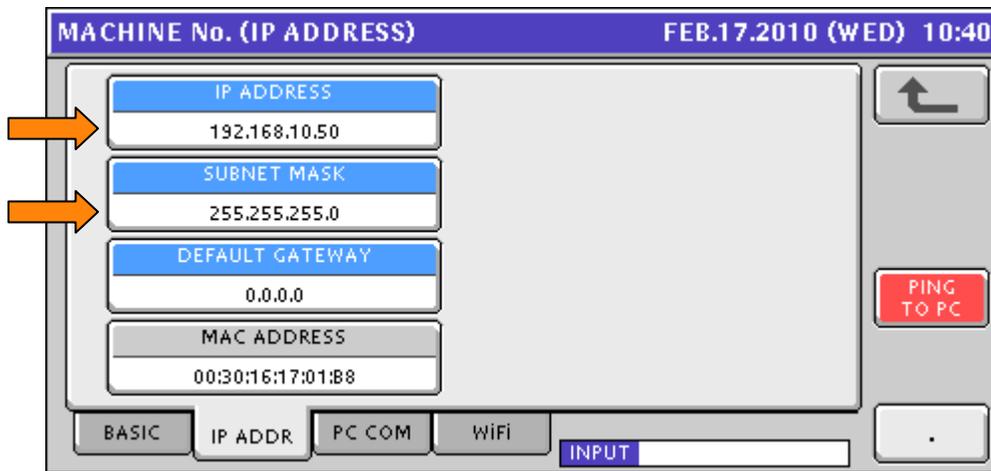


Figure 4.1. Enter IP Address, Subnet, and Gateway

9. Select the **PC COM** tab.
10. Enter a computer IP Address to be used for comms testing from the scale (ping). Press the **PC IP ADDRESS** field. See Figure 4.2.

Note: The PC IP Address is only used by the scale to ping another device on the network. If the PC address is blocked by a firewall or anti-virus software enter the address of a different device such as an access point or another scale that will respond to a ping request.

11. Set the **COM CHECK PERIOD** = 600 (10 minutes).

Note: If the Com Check Period is set to zero the on-line indicator on the main operation screen will always show as connected (blue) even when there is no connection.

12. Do not change the Port Number (8071) or Comm Check Time Out (2 seconds) unless instructed to do so by Rice Lake Weighing Systems technical support.

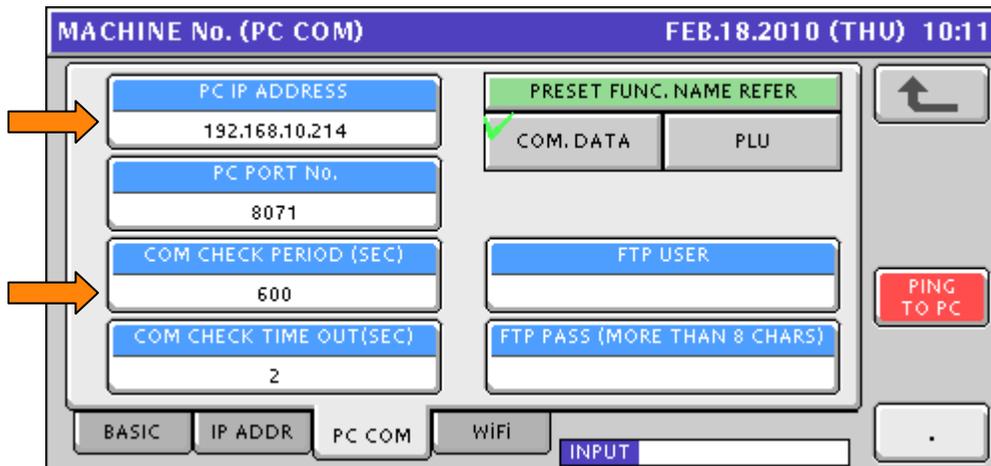


Figure 4.2. Enter the Computer's IP Address and the Comms Check Period



Do not proceed to the WiFi tab to configure the wireless option. The scale must reboot to save the standard Ethernet settings before continuing. If the wireless settings are entered without rebooting, the scale will not communicate.

13. Press the **RETURN ARROW** (top right).
14. Press **EXEC** at the Re-Boot Check screen (message 14034-0000). See Figure 4.3.

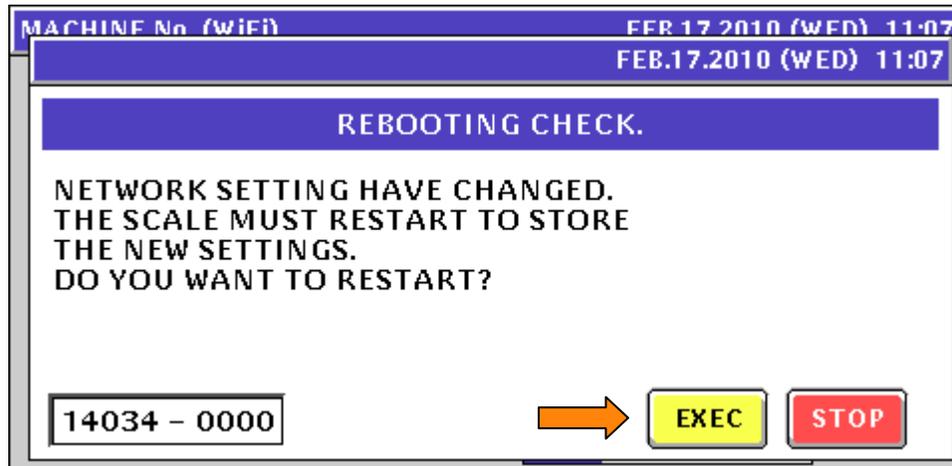


Figure 4.3. Reboot the Scale to Save the Ethernet Settings

15. At the Re-Boot Check screen (message 15029-0001) power the scale off.
16. Wait five seconds and power up the scale.
17. Press **ENTER** at the Date/Time confirm screen.
18. Ethernet configuration is complete. Check comms as needed. Proceed to the next section: Wireless Configuration if the RF option is installed.

5. Wireless Configuration

If the Uni-7 or Uni-5 will be part of a wireless communication network refer to this section to set the Network Name (SSID), Encryption, etc. If the wireless option is not installed refer to the installation instructions document and install the bridge before configuring the wireless settings.



Caution

The standard IP Address information must be entered in section **4. Ethernet Configuration** above and the scale must be rebooted before the wireless settings are entered.

IMPORTANT: The WiFi settings are stored in the RF Card. Clearing the memory or updating firmware on the scale does not affect the RF settings on the card. Therefore, it is possible for a scale to communicate when the WiFi settings screen is empty (figure 5.1). Also, if the WiFi settings have not been properly downloaded to the RF Card the scale may not communicate even when the settings appear correct.

1. Press the **MODE** key to enter the Main menu.
2. Enter **495344** and press the **PLU** key to access hidden menu steps.
3. Press the **SETUP** menu button.
4. Select **MACHINE No. (COMMS)** (page 1).
5. Select the **WiFi** tab. See Figure 5.1.
6. Press the **SSID (Wireless Network Name)** field. See Figure 5.1.

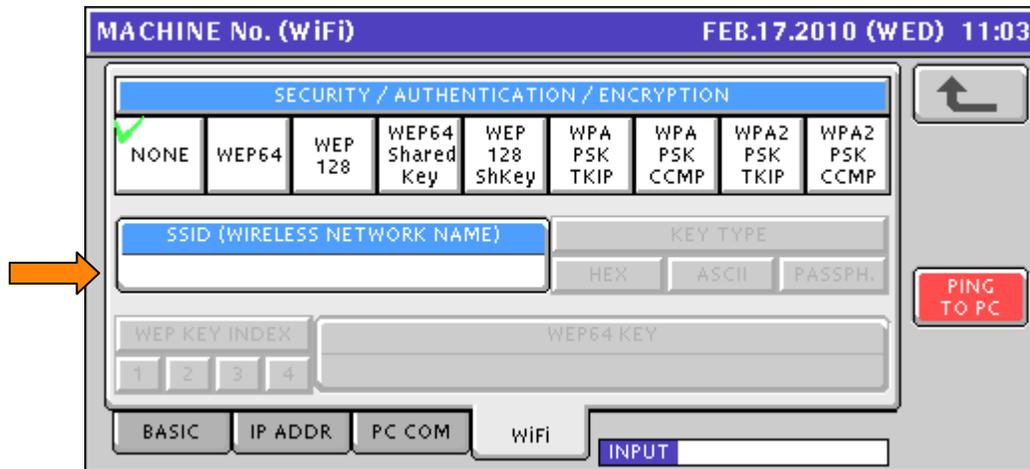


Figure 5.1. Initial WiFi (Wireless) Configuration Screen

7. Enter the Network Name assigned to the Access Point(s) or Wireless Router(s). See Figure 5.2.

Note: The Network Name is always case sensitive. Example: Scales

8. Press the **RETURN ARROW** (top right).

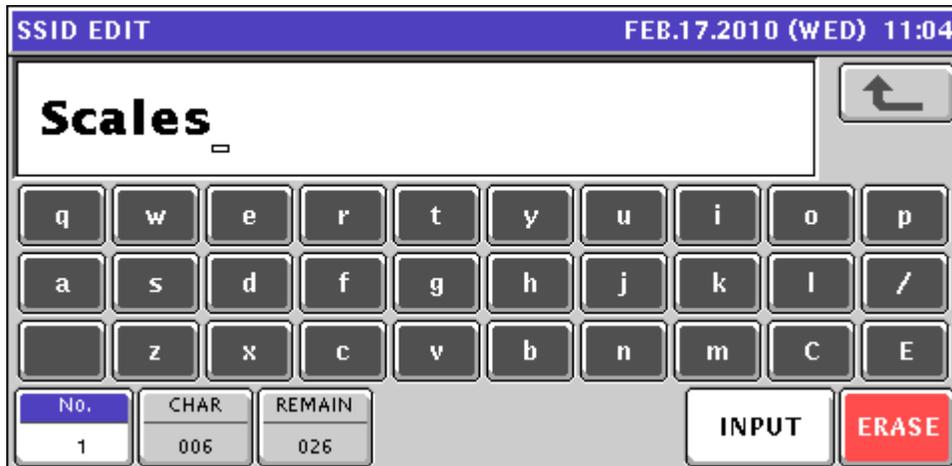


Figure 5.2. Enter the Wireless Network Name (ESSID)

9. Press **SAVE** to save the new settings.
10. The new SSID Network Name is displayed. See Figure 5.3.

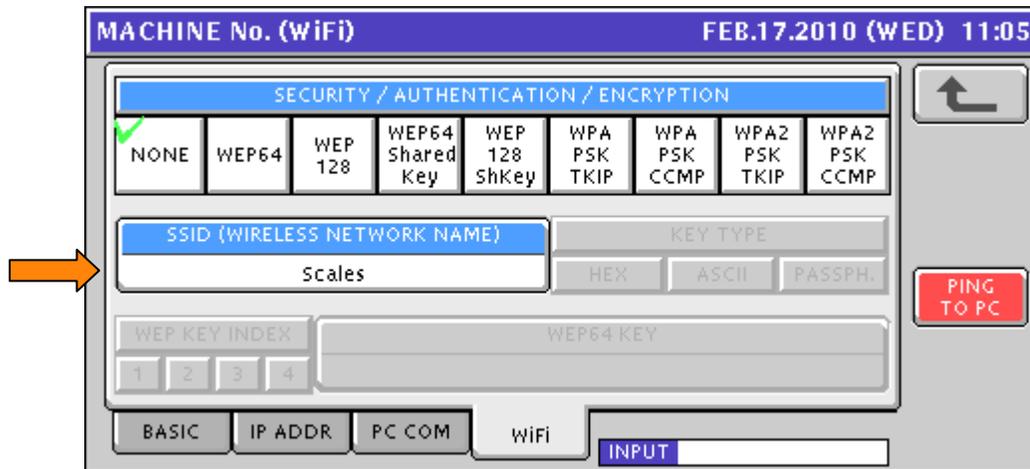


Figure 5.3. SSID Wireless Network Name Is Set (It Is Case Sensitive)

11. Select the appropriate **SECURITY / AUTHENTICATION / ENCRYPTION** type.
Example: **WEP64**. See Figure 5.4.

Note: If no encryption will be used press **NONE** and proceed to step 19.

IMPORTANT: An Encryption setting of "NONE" does not disable wireless communication. If wireless comms must be disabled remove the patch cable plugged into the scale's LAN port. See Figure 1.3.

12. Select the appropriate encryption **KEY TYPE**: HEX, ASCII, or PassPhrase.
See Figure 5.4.
13. For WEP Encryption select the desired **WEP KEY INDEX**. Standard selection is "1".
See Figure 5.4.

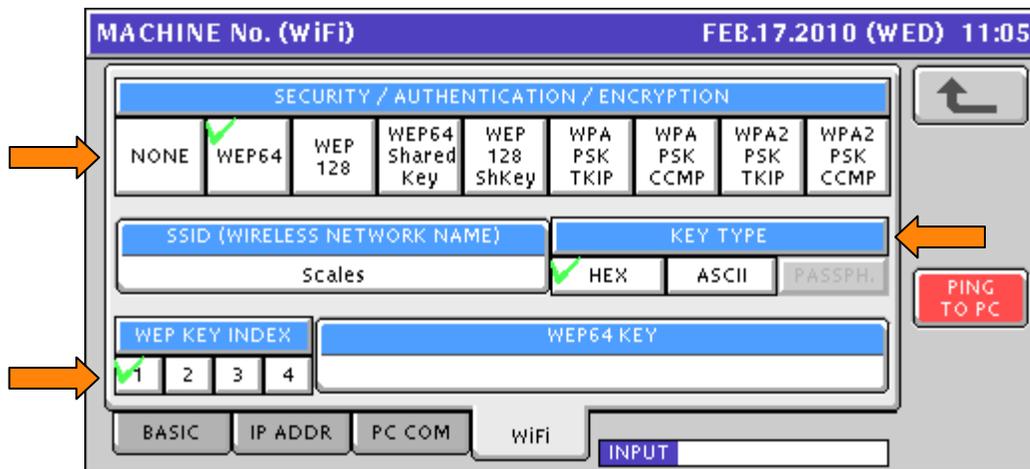


Figure 5.4. Select Encryption Settings

14. Press the **Encryption Key** field. Note that the title of this field changes based on the **SECURITY / AUTHENTICATION / ENCRYPTION** type selected in step 11 above.
15. Enter the appropriate encryption key value. See Figure 5.5.

Notes:

- a. WEP encryption keys must be entered in upper case. Lower case is not supported.

- b. WEP encryption keys must be the following length.
 - o 64-bit ASCII: 5 characters
 - o 64-bit HEX: 10 characters
 - o 128-bit ASCII: 13 characters
 - o 128-bit HEX: 26 characters
- c. WPA/WPA2 encryption keys must be the following length.
 - o PassPhrase: 8~63 characters
 - o HEX: 8~31 characters

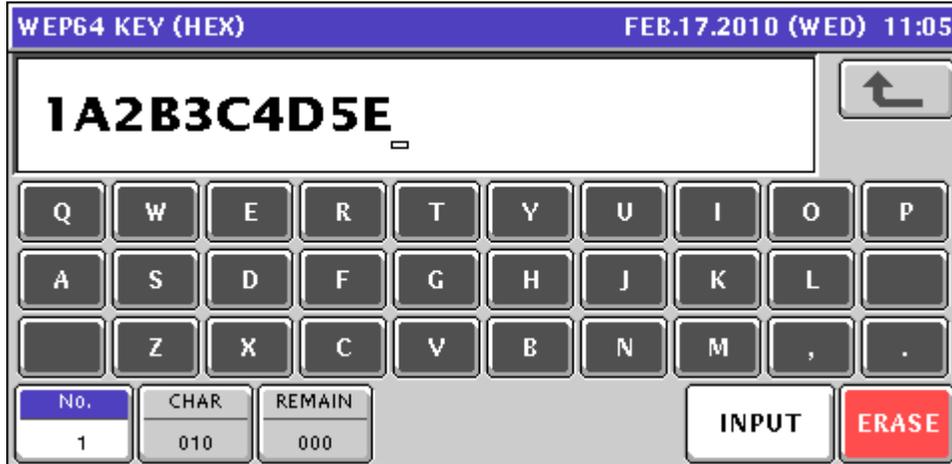


Figure 5.5. Enter the Appropriate Encryption Key

16. Press the **RETURN ARROW** (top right).
17. Press **SAVE** to save the new settings.
18. Wireless settings are now complete. See Figure 5.6.

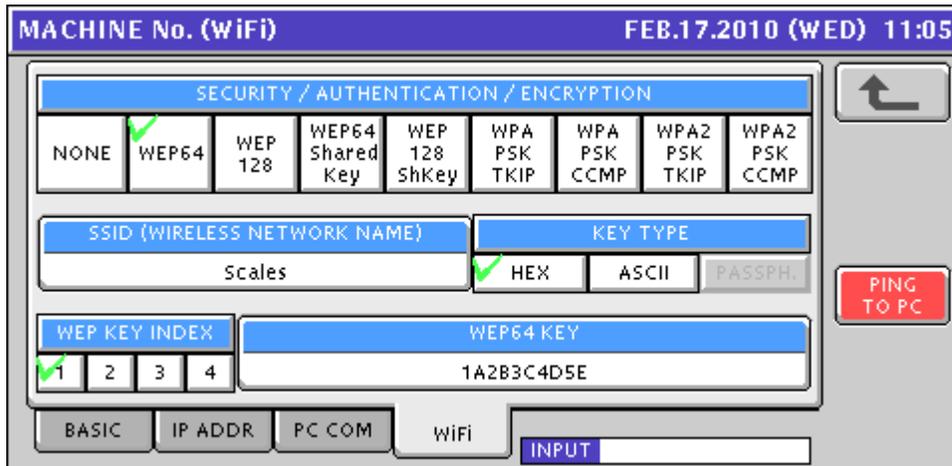


Figure 5.6. Confirm Complete WiFi Settings before Exit and Save

19. Press the **RETURN ARROW** (top right) to exit and save the WiFi settings.
 20. Press **EXEC** to save and change the WiFi settings (message 14038-0009).
 21. Press **OK** at the "Wait 30 Seconds" prompt (message 14038-0010). See Figure 5.7
- IMPORTANT:** Wait 30 seconds after pressing the OK button.



Figure 5.7. Press OK then Wait at Least 30 Seconds

22. After waiting at least 30 seconds for the new WiFi settings to download and store in the RF Card, press the **RETURN ARROW** (top right).

Note: The new wireless settings will not be stored if sufficient time is not provided.

23. Press **EXEC** at the Re-Boot Check screen (message 14034-0000).
24. At the Re-Boot Check screen (message 15029-0001) power the scale off.
25. Wait five seconds and power up the scale.
26. Wireless Ethernet configuration is complete. Check comms as needed.

6. Backup & Restore by USB Memory Stick

Configuration and data files may be saved to a USB Memory Stick. The files can then be loaded into another scale or retained as a backup. Up to seven backup files may be stored on a USB Memory Stick.

Note: Configuration and system files are not compatible between the Uni-7 and Uni-5 models due to hardware and feature differences. Data files can be transferred between the two models including PLUs, keyboards, images, label formats, etc.

A. Backup Data Files from Scale

1. Power up the scale and press the green **ENTER** button at the Date/Time confirm screen.
2. Insert a standard USB Memory Stick into the USB Port. [See Figure 1.3.](#)
3. Press the **MODE** key to enter the Main menu.
4. Enter **495344** and press the **PLU** key to access hidden menu steps.
5. Press the **SETUP** menu button.
6. Scroll down to the last page and select **FILE SAVE / LOAD**.
7. Press the **SCALE > USB** tab. [See Figure 6.1.](#)
8. Press the **OUTPUT SELECT** button.

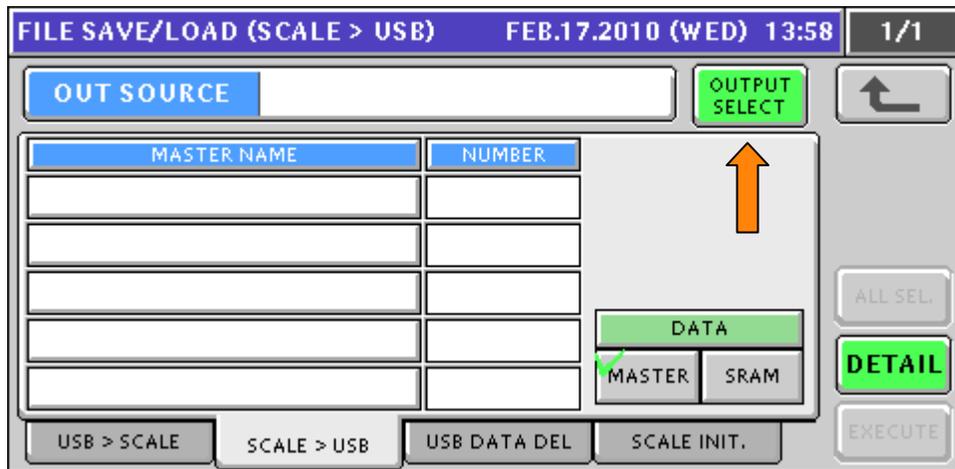


Figure 6.1. Memory Output to USB Memory Stick

9. Press an unused file number. It changes to yellow.
10. Press the **EDIT** button to name the file. See Figure 6.2.
11. Enter a short name to describe the file. Including the date is useful.
12. Press **RETURN ARROW** (top right) to exit and save the file name. See Figure 6.2.

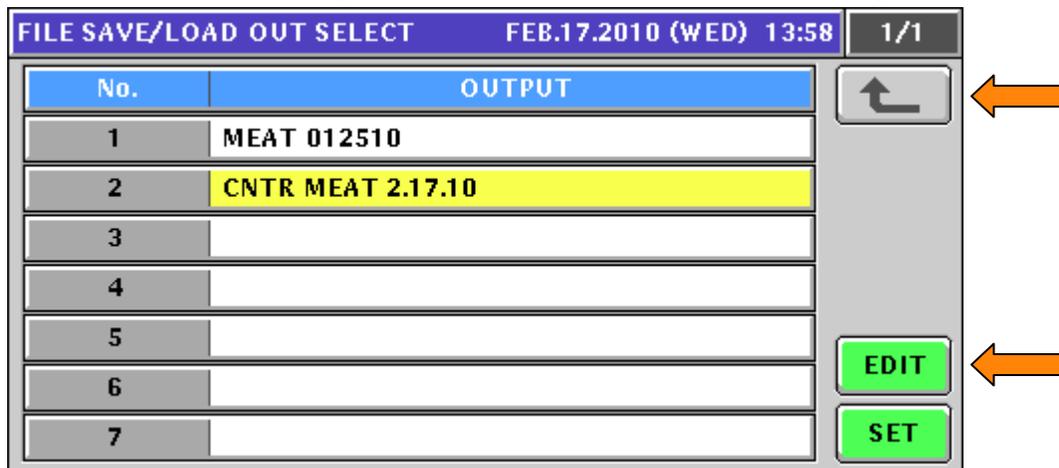


Figure 6.2. Create Output File

13. Press the **ALL SEL.** button to select all files for output. Individual files may be selected but backing up all files is recommended. See Figure 6.3.
14. Press **EXECUTE** and **EXEC** to send the files to the USB Memory Stick.

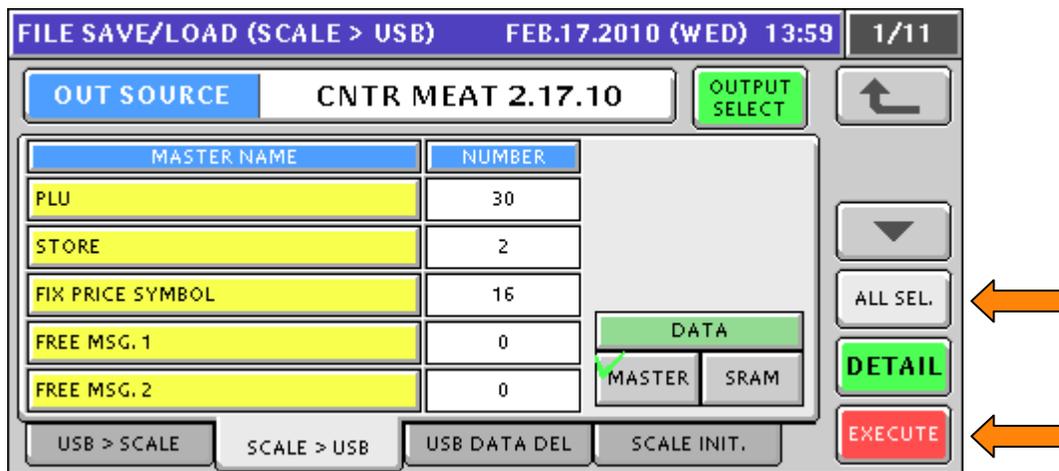


Figure 6.3. Select All Files for Output

15. The screen displays the progress of files being copied.

16. Press **OK** when backup is complete (message 14014-0000). See Figure 6.4.

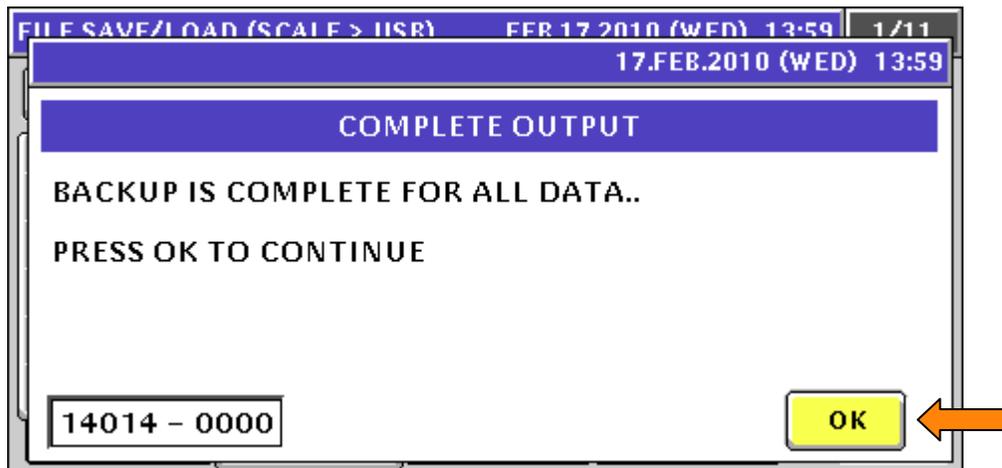


Figure 6.4. Output to USB Memory Stick Complete Confirmation

17. Press **RETURN ARROW** (top right) to exit.

18. Press the **OPERATION ICON** (lower right) to return to Normal Operation mode.

19. Remove the USB Memory Stick.



Important

When transferring the USB backup files to a PC for storage do not rename them. The files are stored in folders named "Data0x". If the folders are renamed the scale will not "see" them during a restore procedure. To identify the data files stored on a PC place the "Data0x" folder inside a dedicated folder named for the customer, department, date, etc.

B. Restore Data Files to Scale

1. Power up the scale, press **ENTER** at the Date/Time confirm screen.
2. Insert a standard USB Memory Stick containing one or more "Data0x" folders into the USB Port. See Figure 1.3.
3. Press the **MODE** key to enter the Main menu.
4. Enter **495344** and press the **PLU** key to access hidden menu steps.
5. Press the **SETUP** menu button.
6. Scroll down to the last page and select **FILE SAVE / LOAD**.
7. Press the **USB > SCALE** tab. See Figure 6.5.
8. Press the green **INPUT SELECT** button. Depending on the size of the files it may take up to 15 seconds to display a list.

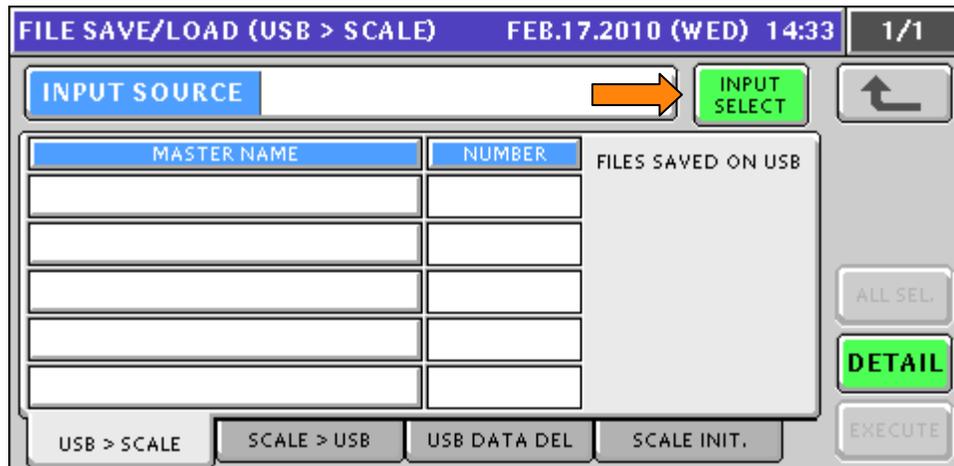


Figure 6.5. USB Memory Stick Input to Scale Memory

9. Press the desired file number. It changes to yellow.
10. Press **SET** to select the file and return. See Figure 6.6.

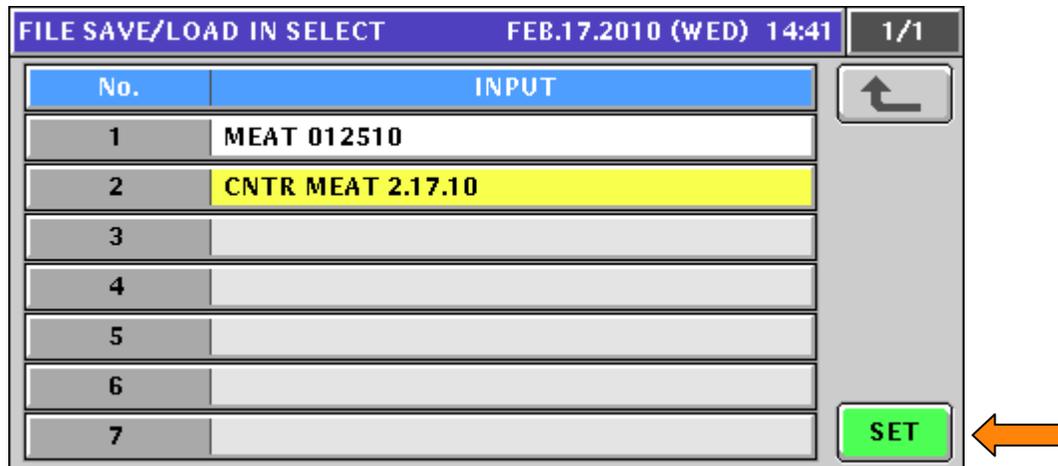


Figure 6.6. Select Input File

11. Press the **ALL SEL.** button to select all files for input or press individual files. The selected files are highlighted yellow. See Figure 6.7.
12. Press **EXECUTE** and **EXEC** to receive the files from the USB Memory Stick.

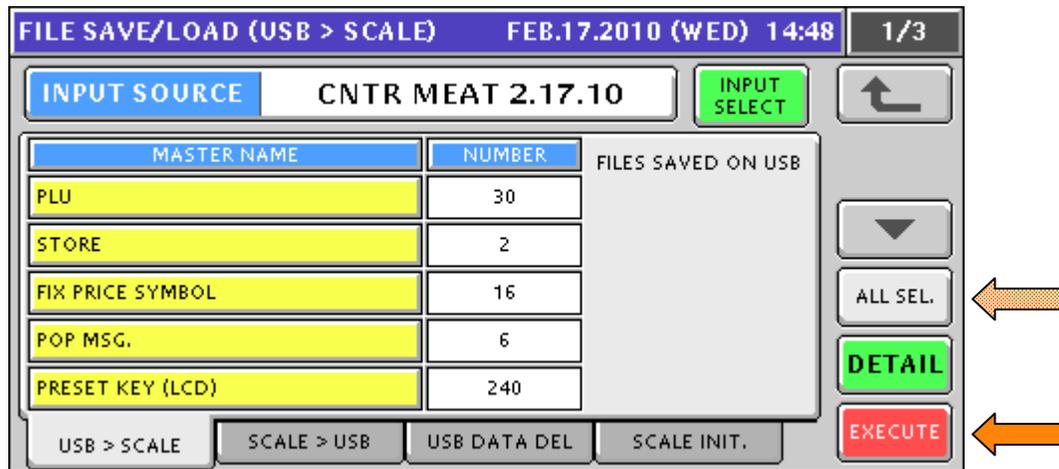


Figure 6.7. Select Files for Input

13. The screen displays the progress of files being copied.

14. Press **OK** when backup is complete (message 14013-0000). See Figure 6.8.

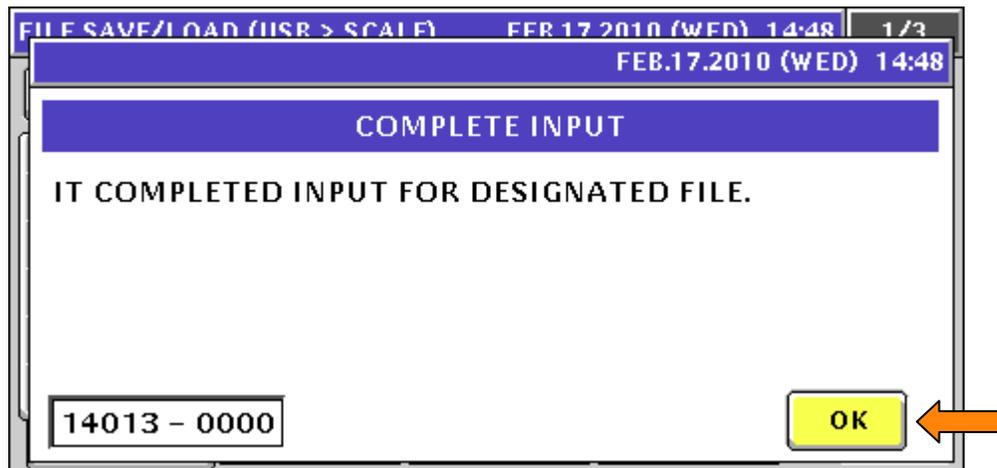


Figure 6.8. Input from USB Memory Stick Complete Confirmation

15. Press **RETURN ARROW** (top right) to exit.

16. Press the **OPERATION ICON** (lower right) to return to Normal Operation mode.

17. Remove the USB Memory Stick.

7. Label Setup

Labels are configured primarily in the Cassette menu. Any special parameters, if required, are set in the Label Specification menu. Custom label formats are created using PC software – SLP-V i-Support or SLP-5 Maintenance Utility – and downloaded to the scale.

A. Label Cassette

1. Press the **MODE** key to enter the Main menu.
2. Enter **495344** and press the **PLU** key to access hidden menu steps.
3. Press the **SETUP** menu button.
4. Scroll down and select **CASSETTE** (page 3/6).
5. The current label cassette is highlighted in yellow. See Figure 7.1.

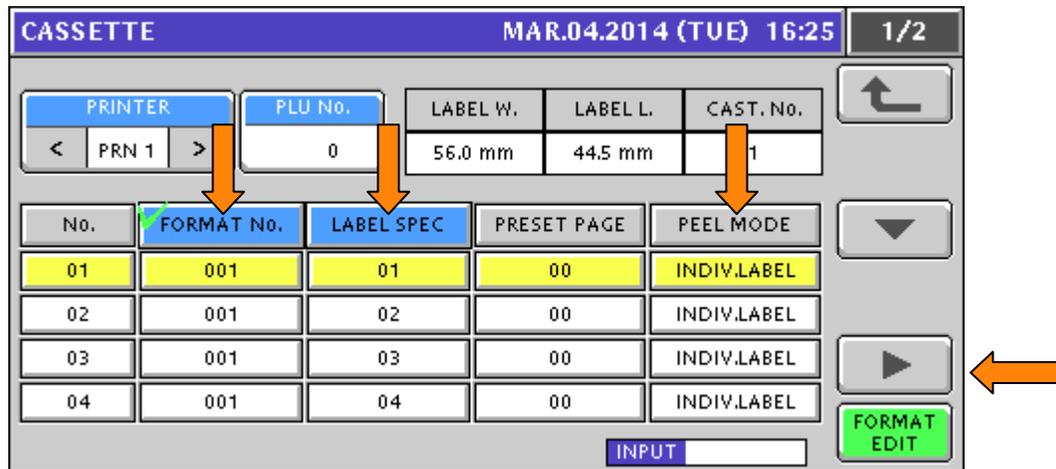


Figure 7.1. Label Cassette Setup: Format No., Label Spec, and Peel Mode

6. Enter the label format number and press the highlighted **LABEL FORMAT NUMBER** field. The default formats are listed in the table below.

Note: Use the SLP-V i-Support or SLP-5 Maintenance Utility to download from the [Uni-7 Label Library](#) for a more complete selection of label formats.

No.	Description	Size
1	Standard	60x44mm
2	Safe Handling	64x85mm
3	Safe Handling	64x59mm
5	Extended Text	64x59mm
6	Coupon	64x84mm
7	Bakery w/ Nutrition	66x145mm

7. If the label requires special settings enter the **LABEL SPEC** value.
Note: See section [B. Label Specification](#) below for details.
8. Set the **PEEL MODE** as needed. Toggle between two selections.
- INDIVIDUAL LABELS – individual labels will print and remain at the peel bar (default)
 - WITH BACKING – labels remain on the backing paper which is not taken up on the winding spool
9. Press the ► button to move to the next page. [See Figure 7.2.](#)
10. Set the **PRINT MODE** as needed. Toggle between two selections.
- MANUAL – press the Print key to issues labels (default)
 - AUTO – automatic label printing based on stable weight
11. Set the **LABEL TYPE** as needed. Toggle between two selections.
- DIE-CUT – labels are a fixed size with a space (gap) between them (default)
 - CONTINUOUS – label paper is a continuous strip (no gaps) torn to length as needed

CASSETTE			MAR.04.2014 (TUE) 16:25			1/2
PRINTER < PRN 1 >		PLU No. 0	LABEL W. 56.0 mm	LABEL L. 44.5 mm	CAST. No. 1	    
No.	FORMAT No.	LABEL SPEC	PRINT MODE	LABEL TYPE		
01	001	01	MANUAL	DIE-CUT		
02	001	02	MANUAL	DIE-CUT		
03	001	03	MANUAL	DIE-CUT		
04	001	04	MANUAL	DIE-CUT		
INPUT						

Figure 7.2. Label Cassette Setup: Print Mode and Label Type

12. Press the ► button to move to the next page. See Figure 7.3.
13. Enable **STORE PRINT** as needed. Toggle between two selections.
 - ENABLE – print the Store Name and Address (default)
 - DISABLE – do not print the Store Name and Address
14. Enable **TITLE PRINT** as needed. Toggle between two selections.
 - ENABLE – print field titles on the label, ex. "Total Price", "Sell By", etc. (default)
 - DISABLE – do not print field titles on the label – label titles are pre-printed

CASSETTE			MAR.04.2014 (TUE) 16:25			1/2
PRINTER < PRN 1 >		PLU No. 0	LABEL W. 56.0 mm	LABEL L. 44.5 mm	CAST. No. 1	    
No.	FORMAT No.	LABEL SPEC	STORE PRINT	TITLE PRINT		
01	001	01	ENABLE	ENABLE		
02	001	02	ENABLE	ENABLE		
03	001	03	ENABLE	ENABLE		
04	001	04	ENABLE	ENABLE		
INPUT						

Figure 7.3. Label Cassette Setup: Store Print and Title Print

15. Press the ► button to move to the next page. See Figure 7.4.
16. Set the **OVERFLOW FLAG** as needed. Toggle between two selections.
 - ERROR + BLANK – if the PLU Name is too large to fit completely in the available area display an error and leave the PLU Name blank (default)
 - TO MAX – if the PLU Name is too large print only what fits in the available area
17. Enter the **SECOND LABEL FORMAT NUMBER** as needed and press the Second Format No. field. Refer to the list of label formats in step #6 above.

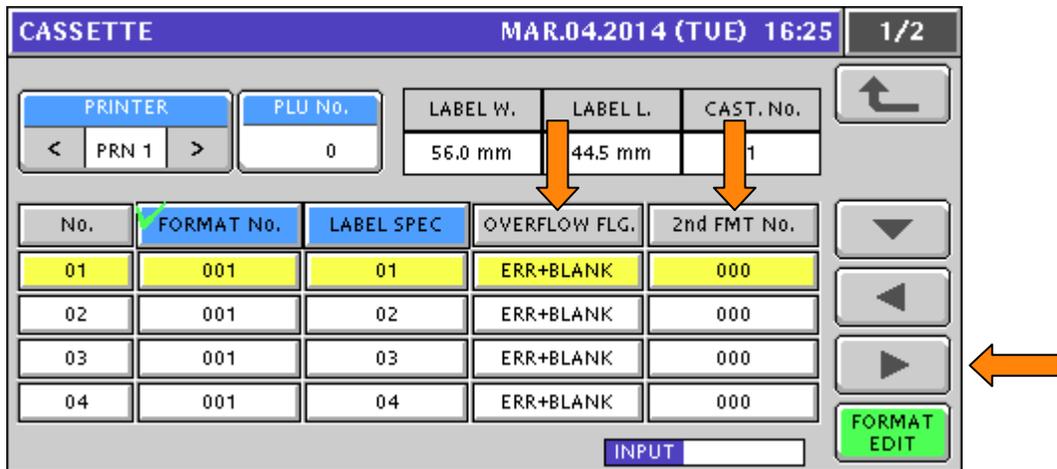


Figure 7.4. Label Cassette Setup: Overflow Flag and Second Label Format No.

18. Press the ► button to move to the next page. See Figure 7.5.
19. Enter the **SUBTOTAL LABEL FORMAT NUMBER** as needed and press the Subtotal Format No. field. Refer to the list of label formats in step #6 above.
20. Set the **SALES MODE** as needed. These settings allow the basic scale operation to be changed by inserting a different label cassette. Toggle through five selections.
 - NO OPERATOR – standard operation (default)
 - WITH OPERATOR – operator tracking, operator keys required to print
 - CR SUBTOTAL ONLY – cash register mode, subtotal label for every transaction
 - CR FIXED – cash register mode, single operator
 - SELF SERVE – limited functions for calling PLUs and printing labels

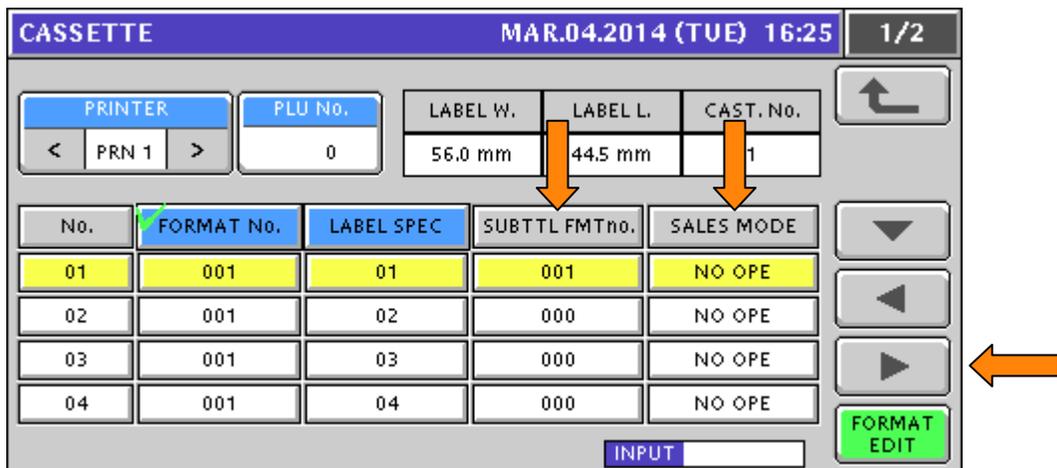


Figure 7.5. Label Cassette Setup: Subtotal Label Format No. and Sales Mode

21. Press the ► button to move to the next page. See Figure 7.6.
22. Enter the **AUTO PRINT LABEL FORMAT NUMBER** as needed and press the Format No. (A) field. This allows a different label format to be used in pre-pack mode. Refer to the list of label formats in step #6 above.
23. Set the **PLU NAME** as needed. Toggle between two selections.
 - FIXED – select for die-cut labels (default)
 - VARIABLE – select for continuous labels where the PLU Name field will vary in length

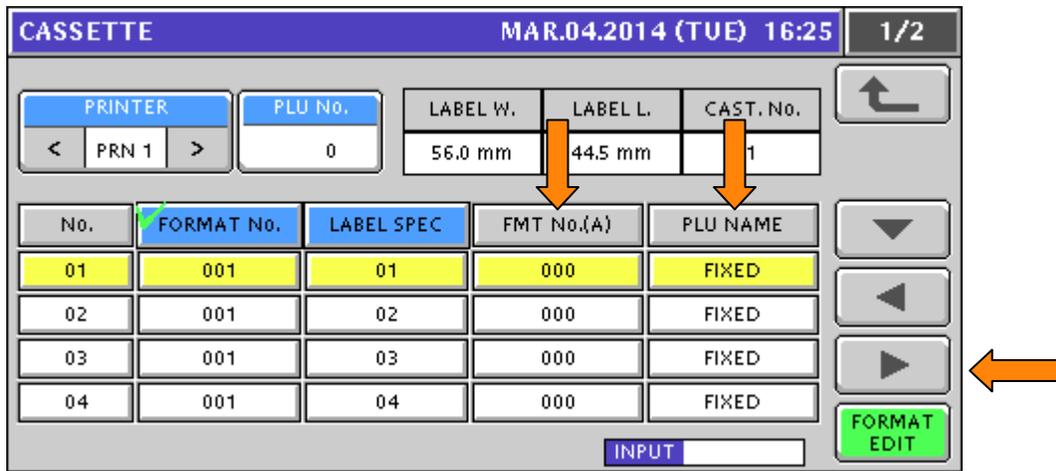


Figure 7.6. Label Cassette Setup: Auto Print Label Format No. and PLU Name Type

24. Press the ► button to move to the next page. See Figure 7.7.

25. Set the **EXTRA MESSAGE 1** as needed. Toggle between two selections.

- FIXED – select for die-cut labels (default)
- VARIABLE – select for continuous labels where the Extra Message 1 field will vary in length

26. Set the **EXTRA MESSAGE 2** as needed. Toggle between two selections.

- FIXED – select for die-cut labels (default)
- VARIABLE – select for continuous labels where the Extra Message 2 field will vary in length

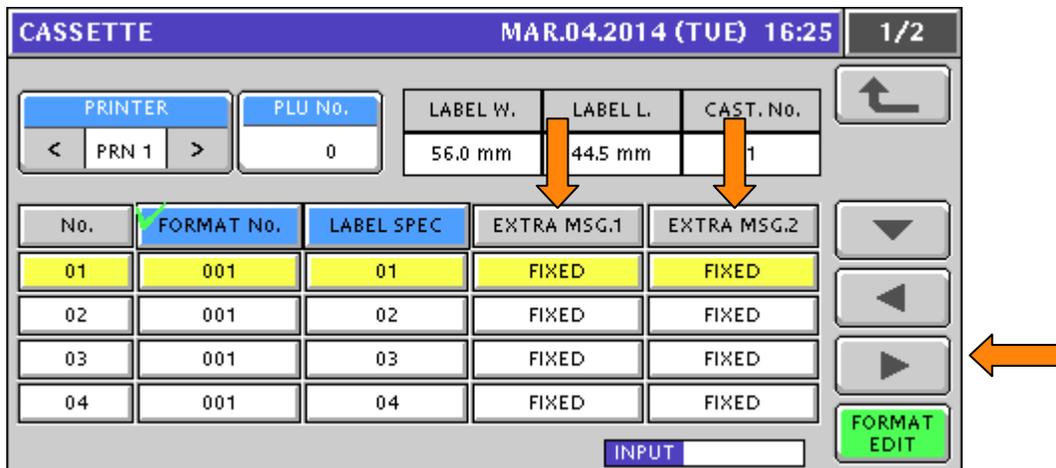


Figure 7.7. Label Cassette Setup: Extra Message 1 Type and Extra Message 2 Type

27. Press the ► button to move to the next page. See Figure 7.8.

28. Set the **EXTRA MESSAGE 3** as needed. Toggle between two selections.

- FIXED – select for die-cut labels (default)
- VARIABLE – select for continuous labels where the Extra Message 3 field will vary in length

29. Set the **SAFE HANDLING IMAGE** as needed. Toggle between two selections.

- FIXED – select when the Safe Handling Image will print on every label (default)
- VARIABLE – select for continuous labels where the Safe Handling Image is controlled by PLU and may not print on some labels

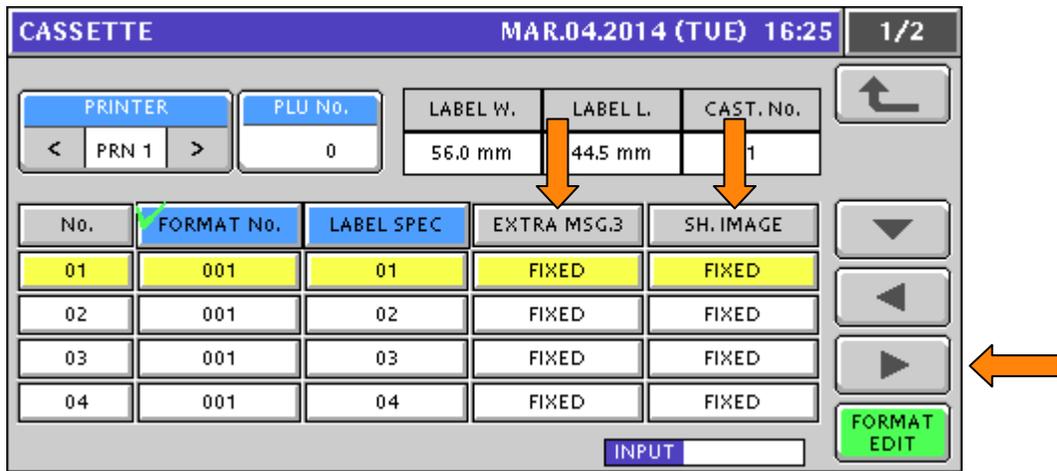


Figure 7.8 Label Cassette Setup: Extra Message 3 Type and Safe Handling Image Type

30. Press the ► button to move to the next page. See Figure 7.9.

31. Set the **LOGO IMAGE 1** as needed. Toggle between two selections.

- FIXED – select when Logo Image 1 will print on every label (default)
- VARIABLE – select for continuous labels where Logo Image 1 is controlled by PLU and may not print on some labels

32. Set the **LOGO IMAGE 2** as needed. Toggle between two selections.

- FIXED – select when Logo Image 2 will print on every label (default)
- VARIABLE – select for continuous labels where Logo Image 2 is controlled by PLU and may not print on some labels

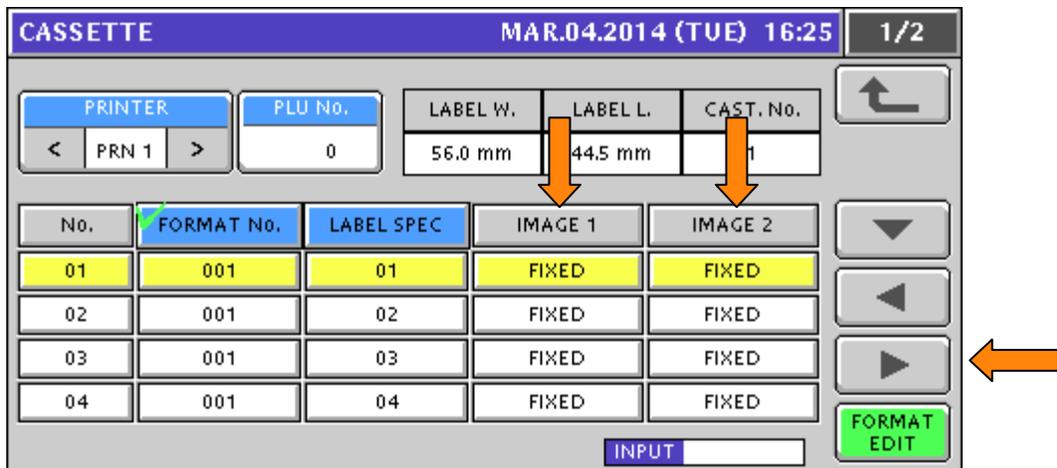


Figure 7.9 Label Cassette Setup: Logo Image 1 Type and Logo Image 2 Type

33. Press the ► button to move to the next page. See Figure 7.10.

34. Set the **LOGO IMAGE 3** as needed. Toggle between two selections.
 - **FIXED** – select when Logo Image 3 will print on every label (default)
 - **VARIABLE** – select for continuous labels where Logo Image 3 is controlled by PLU and may not print on some labels
35. Enter the **HEIGHT OF SAFE HANDLING IMAGE** as needed and press the Height of SHI field. This is the height in millimeters that will be compressed when the Safe Handling Image is not printed.

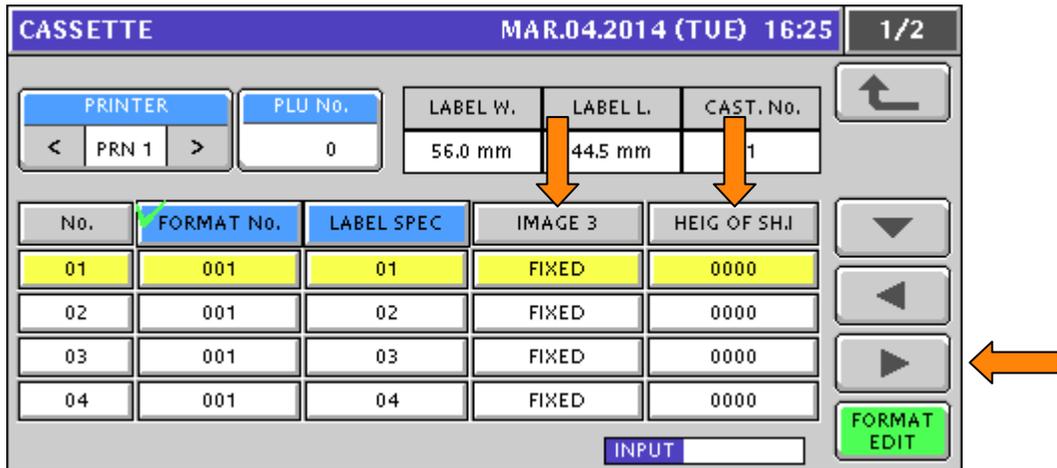


Figure 7.10 Label Cassette Setup: Logo Image 3 Type and Height of Safe Handling Image

36. Press the ► button to move to the next page. See Figure 7.11.
37. Enter the **HEIGHT OF LOGO IMAGE 1** as needed and press the Height of Image 1 field. This is the height in millimeters that will be compressed when Logo Image 1 is not printed.
38. Enter the **HEIGHT OF LOGO IMAGE 2** as needed and press the Height of Image 2 field. This is the height in millimeters that will be compressed when the Logo Image 2 is not printed.

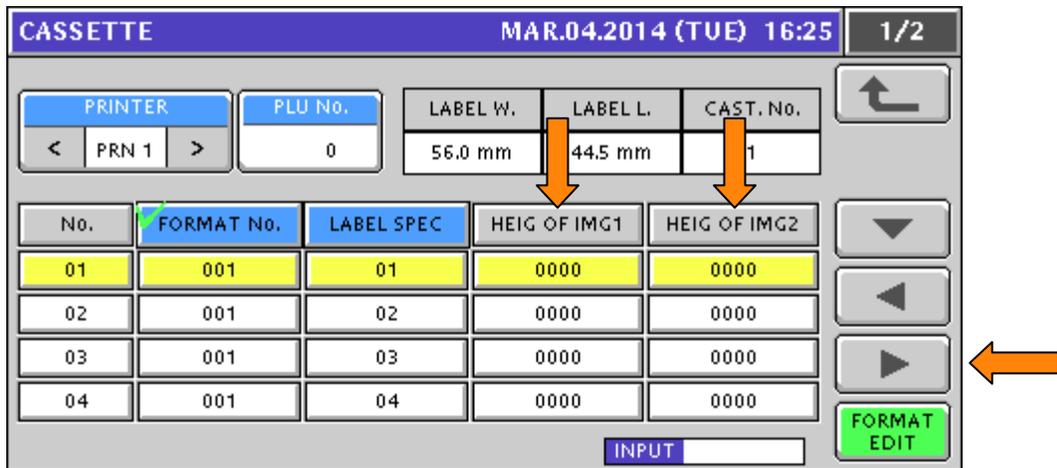


Figure 7.11 Label Cassette Setup: Height of Logo Image 1 Type and Height of Logo Image 2

39. Press the ► button to move to the next page. See Figure 7.12.
40. Enter the **HEIGHT OF LOGO IMAGE 3** as needed and press the Height of Image 3 field. This is the height in millimeters that will be compressed when Logo Image 3 is not printed.

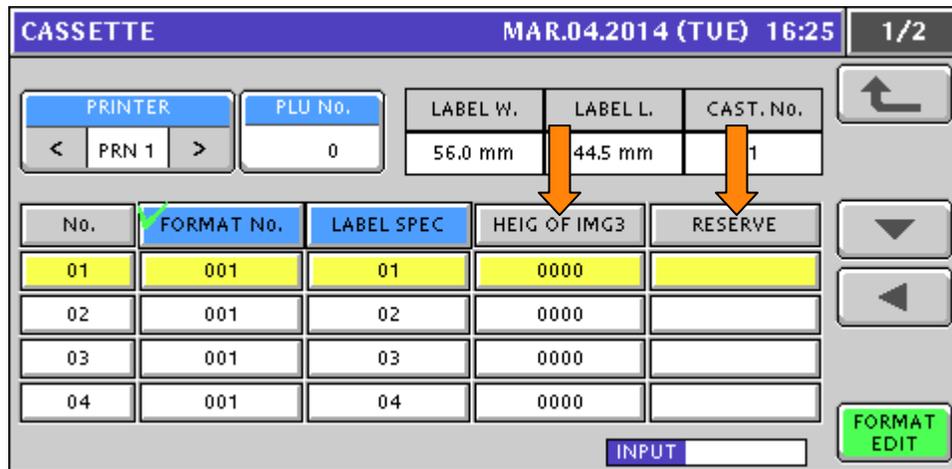


Figure 7.12 Label Cassette Setup: Height of Logo Image 3

41. Press the **RETURN ARROW** (top right).
42. Press the **OPERATION ICON** (lower right) to return to Normal Operation mode.

B. Label Specification

1. Press the **MODE** key to enter the Main menu.
2. Enter **495344** and press the **PLU** key to access hidden menu steps.
3. Press the **SETUP** menu button.
4. Scroll down and select **LABEL SPEC.** (page 3/6).
5. The current Label Specification settings are displayed. See Figure 7.13.

Note: Under normal circumstances there is no need to alter the Label Specifications. If changes are required please consult Rice Lake Weighing Systems technical support.

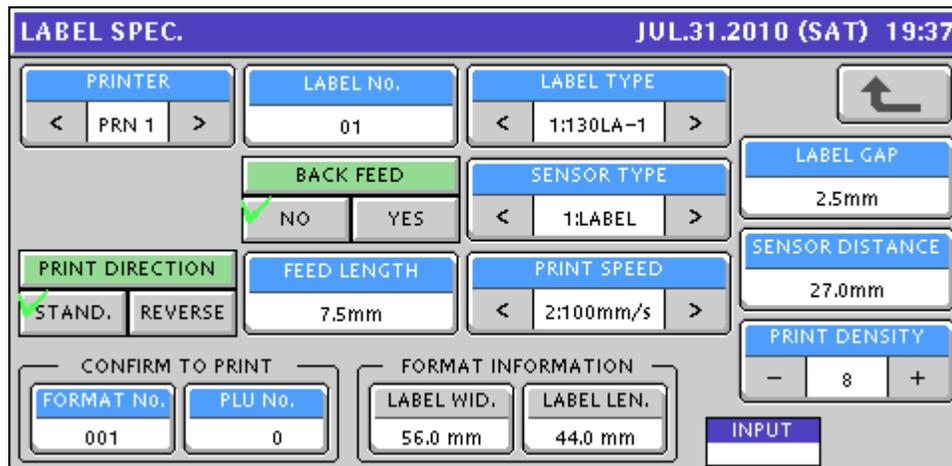


Figure 7.13. Label Specifications (default settings)

6. Press the **RETURN ARROW** (top right).
7. Press the **OPERATION ICON** (lower right) to return to Normal Operation mode.

8. Advertising Messages

This section covers programming Advertising Messages which are shown on the scale's customer side display. Both text and images may be included in the messages.

Note: The images linked to the Advertising Messages are downloaded to the scale using the SLP-V or SLP-5 program.

1. Press the **MODE** key to enter the Main menu.
2. Press the **PROGRAM** menu button.
Note: If a password is required enter it then press the **PROGRAM** menu button
3. Select **AD. MSG.**
4. Enter an unused number and press the **PLU** key.
5. Press **ENTER** to confirm creation of a new message.
6. Press **EDIT** to enter the Ad Message text. See Figure 8.1.

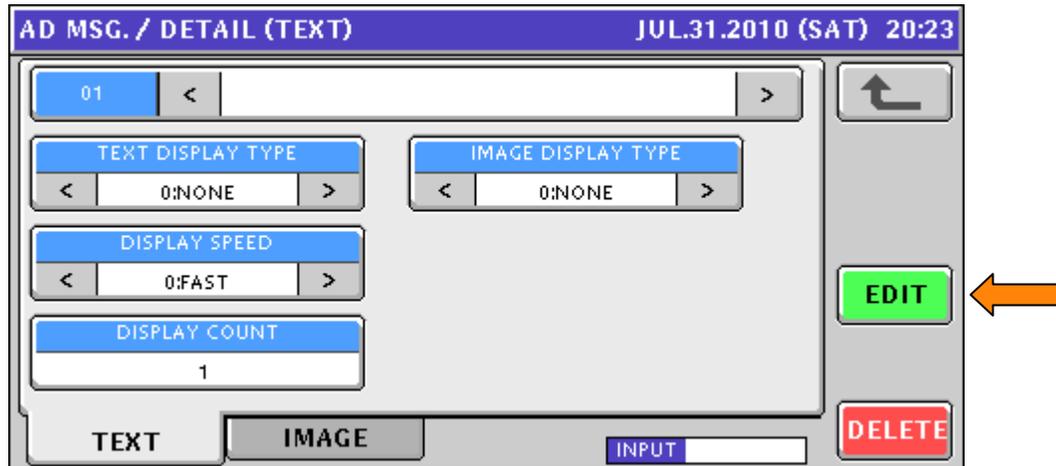


Figure 8.1. Ad. Message Text and Settings

7. Enter the message text as needed.
 - 60 characters are available for scrolling messages
 - 18 characters are available for flashing messages
8. Press the **RETURN ARROW** (top right) when finished.
9. Set the **TEXT DISPLAY TYPE** as needed. Press the arrows to select.
 - 0:None – do not display any text message (default)
 - 1:Scroll – text message scrolls right to left
 - 2:Flash – text message flashes
10. Set the **DISPLAY SPEED** as needed. Press the arrows to select.
 - 0:Fast – recommended (default)
 - 1:Medium – slow
 - 2:Slow – too slow, not recommended
 - 3:Fast2 – do not use
11. Enter the **DISPLAY COUNT**, the number of consecutive times the message is displayed.
12. Set the **IMAGE DISPLAY TYPE** as needed. Press the arrows to select.
 - 0:None – do not display any image (default)
 - 1:Scroll – the image remains on the screen. For messages with multiple images there is no blank screen at the change to the next image
 - 2:Flash – the image or images alternate with a blank screen.

13. Select the **IMAGE** tab if images will be linked to the Ad Message, otherwise go to step 17.
See Figure 8.2.

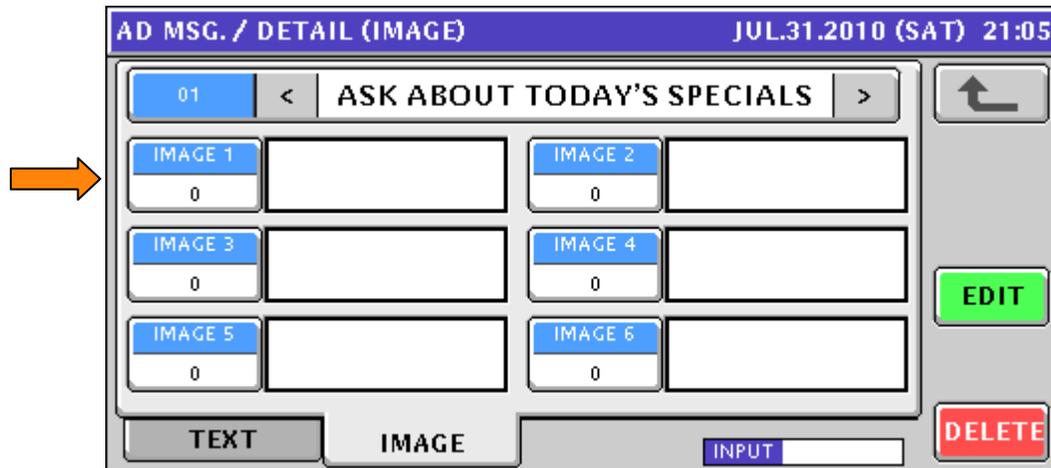


Figure 8.2. Ad. Message Images

14. Press **Image 1** and scroll through the image list.
 15. Press the desired image and press **SET**.
 16. Repeat for any remaining images. Up to six images may be linked to each Ad Message.
Note: Set the Display Count high enough to ensure all images are displayed.
 17. Press the **RETURN ARROW** (top right).
 18. Repeat from step 4 to add more Advertising Messages.
 19. After entering all messages press the **RETURN ARROW** (top right).
 20. Press the **OPERATION ICON** (lower right) to return to Normal Operation mode.
 21. The Advertising Messages begin approximately 10 seconds after exiting the menu.
 See Figure 8.3.

Note: The Advertising Messages begin approximately 10 seconds after a transaction has been completed and the scale returns to the standard screen with the message "Check the weight..."

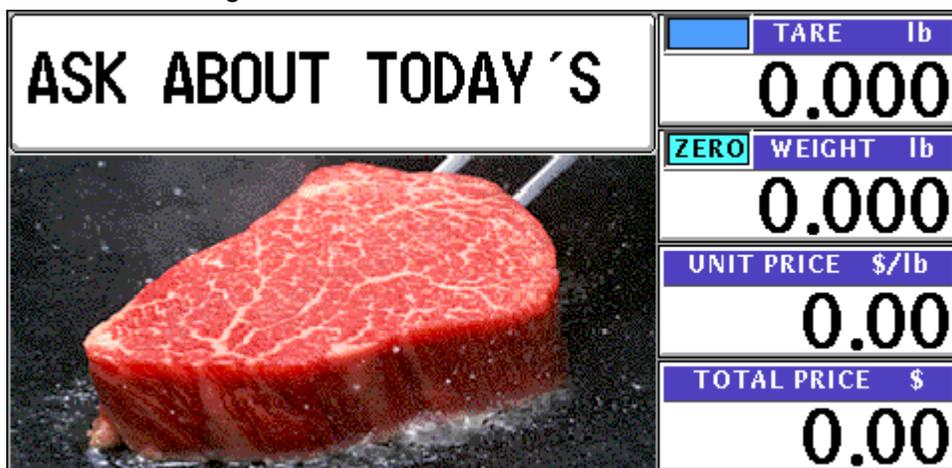


Figure 8.3. Ad. Message with Image – Customer Side

9. Calibration

The scale should be powered up at least 30 minutes prior to calibration. Confirm the scale is level, the four leveling feet make full contact with no rocking, and the stand is stable.

1. Press the **MODE** key to enter the Main menu.
2. Enter **495344** and press the **PLU** key to access hidden menu steps.
3. Press the **ADJUST** menu button.
4. Scroll down and select **CALIBRATION** (page 2/3). See Figure 9.1.

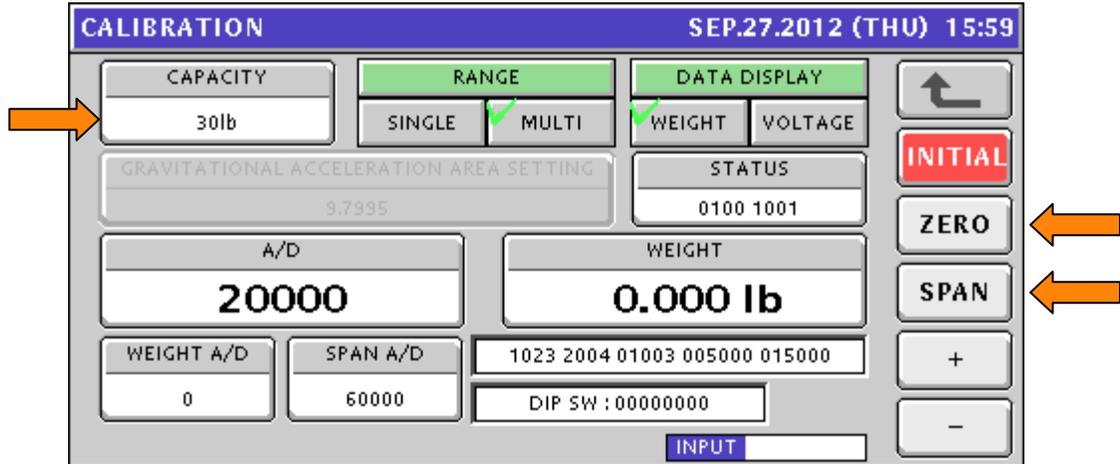


Figure 9.1. Calibration Screen

5. For Uni-7 scales confirm the Capacity is "30 Lb" and the weight resolution is 0.005. If the Capacity is "15 Kg" or the weight resolution is 0.002 enter **495344** and press **SINGLE** or **MULTI** as needed to reset.
 6. To set the scale Range enter **495344** and press **SINGLE** or **MULTI** as needed. For a 30 Lb scale, Single will fix the resolution at 0.01 Lb from zero to full capacity.
 7. To select 60 Lb capacity (Uni-5 only) enter **495344** and press the **PLU** key. Then use the arrow keys to select the capacity.
- Caution:** 60 Lb capacity should only be selected for scales equipped with an optional high capacity load cell.
8. Press **ZERO** with no weight on the platter. The A/D count should be 20000.
 9. Place full capacity on the scale.
 10. Press **SPAN**. The A/D count should be 80000.
 11. Remove the weight and confirm the A/D counts return to 20000. If not, repeat steps 8-10.
 12. Press the Calibration Save button in the scale. The best tool to press the Button is the ink tube from a disassembled pen. The plastic tube will fit through the access hole and is non-conductive.

The location of the button varies by model. Refer to the appropriate instructions below.

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Bench and Pole

- The Calibration Button is located under the weigh platter. See [Figure 9.2](#).
- Remove the front of two screws located in the small rectangular cutout to access the Button.



Figure 9.2. Calibration Access

Hanging

- The Calibration Button is located on top of the scale body near the mounting pole bracket. See [Figure 9.3](#).
- Remove the outside screw to access the Button.



Figure 9.3. Calibration Access

Remote Platform

- The Calibration Button is located under the weigh platter in the scale base.
- Remove the small plastic rectangular cover and the seal bolt and metal cover. See [Figure 9.4](#).

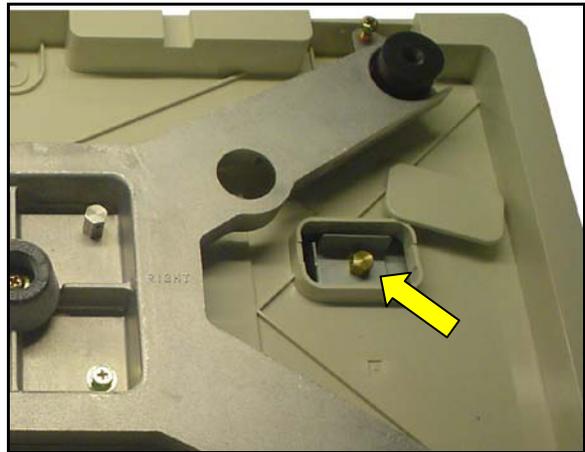


Figure 9.4. Calibration Access

13. Seal the scale as required by local regulations.
 - a. Place a tamper-evident decal over the Calibration Button to cover the recessed screw. Two seal decals are provided with each scale; they are packaged with the Thermal Head Cleaning kit.
 - b. Use a crimp seal to secure the sealing bolt over the Calibration Button. Two seal bolts are provided with each scale. For the Bench and Pole models the short bolt is for the Calibration Button access and the long bolt secures the A/D cover.
14. For the Bench, Pole, and Remote Platform models place the platter on the scale.
15. Press the **RETURN ARROW** (top right).
16. Press **OK** at the Check Platter prompt.
17. Press the **OPERATION ICON** (lower right) to return to Normal Operation mode.
18. Check calibration.

10. Reference

A. Passwords and Menu Navigation

The availability of the Uni-7 menus is based on the password entered. The service password 495344, PLU provides access to all menus. Refer to the next section "Menu Structure" for a list of all menu steps.

Service Access Password

1. Press the **MODE** key to enter the Main menu.
2. Enter **495344** and press the **PLU** key to access hidden menu steps.
3. All **SETUP** (six pages) and **ADJUST** (three pages) menus are available.

General Access Password

1. Press the **MODE** key to enter the Main menu.
2. Some **SETUP** (two pages) and **ADJUST** (one page) menu steps are available.



Caution

Some "open" menu steps are accessible without passwords. It is strongly recommended that secondary passwords be placed on the "open" items in the Setup menu to prevent unauthorized access by store personnel. Refer to Passwords section below.

Passwords

1. From the Operation screen, press the **MODE** key to enter the Main menu.
2. Enter the password followed by the **PLU** key.
 - Service password **495344** provides full access. This password cannot be changed.
 - Manager's password allows access to any menu steps that are set for password protection. This includes access to all items in the Program menu and several items in the Setup and Adjust menus.
 - **Notes:**
 - a. The Manager's password is disabled by default.
 - b. Passwords may be entered at any time from the Main menu.
3. The Manager's password is set in Setup menu, Password. See Figure 10.1.

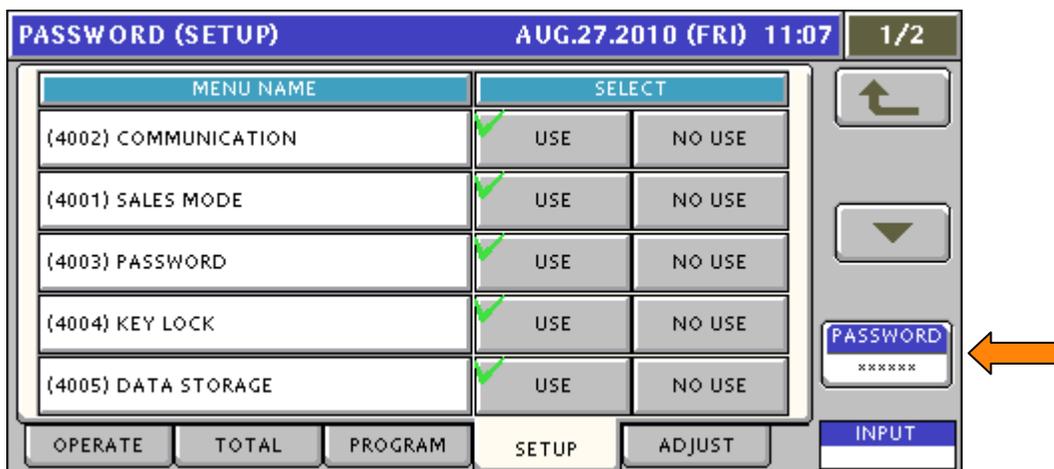


Figure 10.1. Password Setup

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4. Enter the password as a six-digit number and press the PASSWORD button.
Example: For the password 123, enter "000123".

Notes:

- To clear the password, enter "000000".
- One password is used for all menus.

Menu Navigation

1. Select the desired menu on the left side of the screen. Example: PROGRAM, SETUP, or ADJUST. See Figure 10.2.

Note: The border color denotes the selected menu.

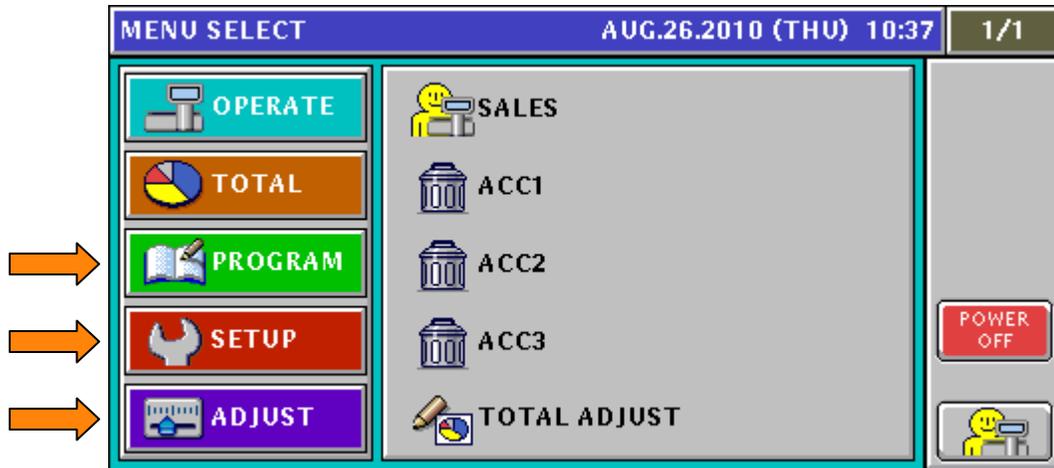


Figure 10.2. Uni-7 Main Menu

2. Use ▲ and ▼ buttons to scroll through the menu pages. See Figure 10.3.
- Note:** The PgUp and PgDn keys next to the screen (right side) have the same function.
3. The ▲ and ▼ keys next to the screen (right side) jump to the first and last menu pages.
 4. The ESC key next to the screen returns to the previous page.

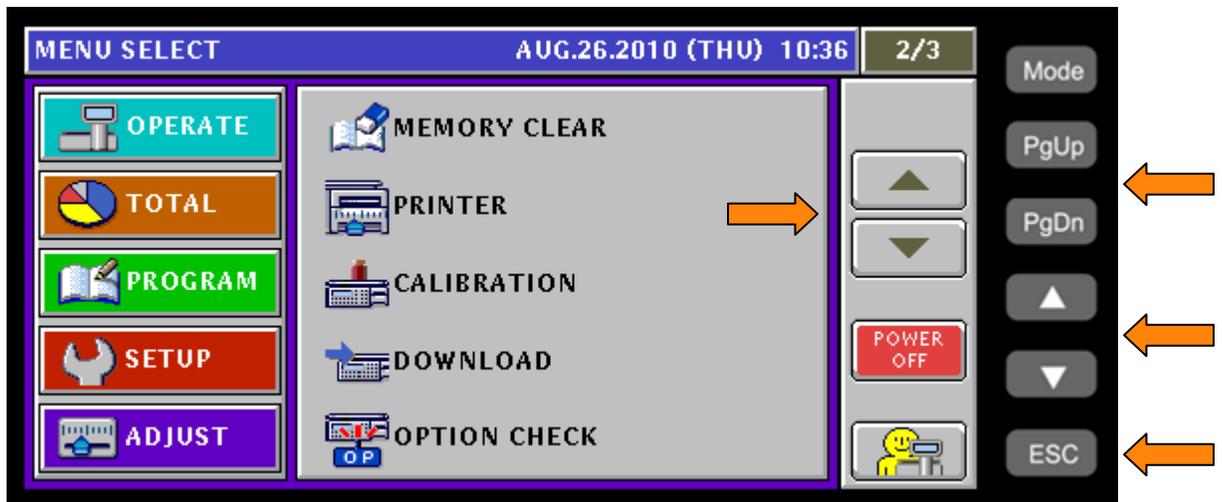


Figure 10.3. Uni-7 Navigation Buttons and Keys

5. Tabs are used within menu steps with multiple pages. See Figure 10.4.
Example: select **SETUP** menu.
 - Select **MACHINE No. (COMMS)**
 - Four pages are available
 - Access each page by pressing the desired tab
6. Press the **RETURN ARROW** (top right) to exit the current section.

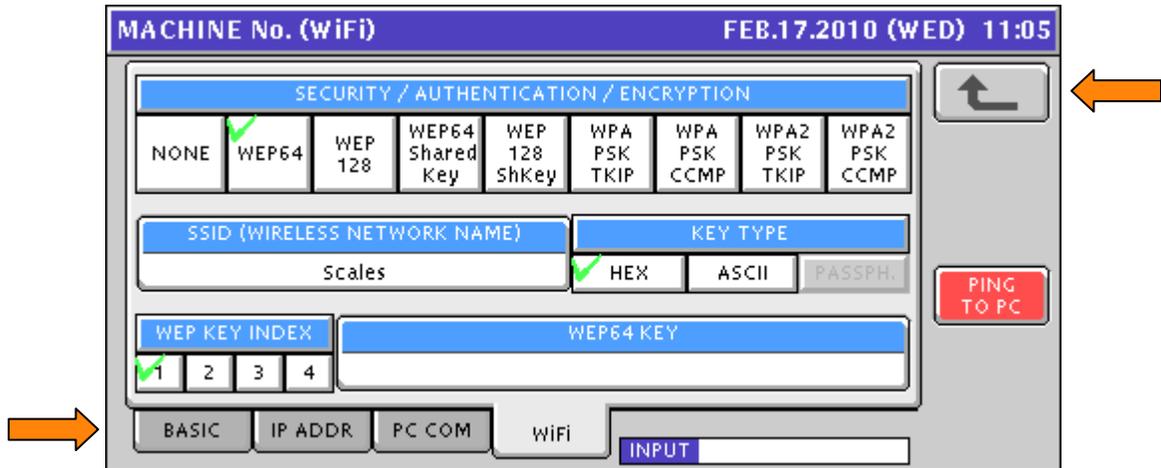


Figure 10.4. Uni-7 Navigation Tabs

7. Press the **OPERATION ICON** (lower right) to return to Normal Operation mode.

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B. Menu Structure

OPERATION		TOTAL		PROGRAM		SETUP		ADJUST
SALES	P1	DAILY TOTAL	P1	PLU	P1	MACHINE No. (COMMS)	P1	TIME / DATE
ACC1		WEEKLY TOTAL		CAMPAIGN		SALES MODE		TOUCH SCREEN
ACC2		CUMULATIVE TOTAL		OPERATORS		PASSWORD		DISPLAY CHECK
ACC3		TRACEABILITY TOTAL		PRESET KEY		KEY LOCK		KEY CHECK
TOTAL ADJUST		PRESET REPORT		AD MESSAGE		DATA STORAGE		FIRMWARE DETAILS
	P2	TOTAL CLEAR	P2	STORE	P2	PRESET REPORT	P2	MEMORY CLEAR
				DEPARTMENT		PLU OVERWRITE		PRINTER
				GROUP		PLU INITIAL DATA		CALIBRATION
				COOKING TIME		PLU UPDATE		DOWNLOAD
				NUTRITION		RECEIPT SETTING		OPTION CHECK
			P3	EXTRA MSG #1	P3	CASSETTE	P3	DISPLAY CAPTURE
				EXTRA MSG #2		LABEL SPEC.		MODEL
				EXTRA MSG #3		LABEL FORMAT		
				COUPON MSG		BARCODE		
				POP MESSAGE		CUSTOM BARCODE		
			P4	LOOKUP TABLE	P4	MENU TITLES		
				FIX PRICE SYMBOL		OPERATION SETTINGS		
				FREE MSG #1		ERROR PROCESS		
				:		ERROR LOG		
			P7	FREE MSG #15		TRACEABILITY		
				CHECK LABEL	P5	DUAL CURRENCY		
				STAMP PRICE		PRICE ROUNDING		
				NUTRITION TEXT		FREQUENT SHOPPER		
						DATA DISTRIBUTION		
						COUNTRY		
					P6	FILE SAVE / LOAD		
						TAX		
						STANDBY MODE		

NOTES: Colored boxes indicate hidden menu steps.
Access by 495344 and [PLU] key from the main menu.

All items in black boxes can be password protected.
Refer to Setup menu, Password.

Refer to Section C. Configuration Features with Menu Locations for additional details to access certain "hidden" steps

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C. Configuration Features with Menu Locations

Feature	Menu	Step	Comments
Backup (by USB)	Setup	File Save/Load	"Scale>USB": backup, "USB>Scale": restore
Barcode Format	Setup	Barcode	POS Code, POS Format (Weight & Fix Price)
Barcode OCR	Setup	Barcode	POS Code, OCR Style (12/13 digits)
Calibration	Adjust	Calibration	
Cash Drawer Test	Adjust	Option Check	Drawer
Cassette	Setup	Cassette	
Comms Check Timer	Setup	MachineNo.(Comms)	PC Comm
Country	Setup	Country	951753+PLU
Date & Time	Adjust	Date Time	
Display Capture	Adjust	Display Capture	Press TARE, save to USB folder: "CAPTURE"
Dual-Range	Adjust	Calibration	495344+MULTI
Encryption	Setup	MachineNo.(Comms)	WiFi
English			See Language
Error Log	Setup	Error Log	
Extra Message Error	Setup	Error Process	Call, "Link Error Display"
Filtering (Weight)	Adjust	Calibration	951753+PLU, Speed [ZERO + CAL button]
Forced Tare setting	Setup	Error Process	Issue ("Tare Weight Not Set")
Frequent Shopper	Setup	Freq. Shopper	Barcode price & FS Image
Freq Shop. Rounding	Setup	Price Rounding	
IP Address	Setup	MachineNo.(Comms)	IP Addr
Key Vibrator	Adjust	Key Check	Vibrator
Kg	Setup	Country	495344+PLU, Detail, Weight, 14789632+PLU
Label Format	Setup	Label Format	
Language	Setup	Country	
MAC Address	Setup	MachineNo.(Comms)	IP Addr (use for RF MAC Address filtering)
Maximum Tare	Setup	Country	495344+PLU, Detail, Weight, 14789632+PLU
Min. Print Weight	Setup	Country	495344+PLU, Detail, Weight, 951753+PLU
Memory Clear	Adjust	Memory Clear	
Password Setup	Setup	Password	
PLU Auto Program	Setup	PLU Overwrite	Set temporary changes as permanent
PLU Update	Setup	PLU Update	Mass update of PLU File
Port Number	Setup	MachineNo.(Comms)	PC Comm
Print Head Error			See Thermal Head Error
Preset Key Text	Setup	MachineNo.(Comms)	PC Comm, Preset Function Name Refer
RF			See Wireless
Scanner Test	Adjust	Option Check	USB
Screen Saver	Program	Ad Msg.	"Ad Msg Control" button (Img #998)
Search Configuration	Setup	Operation Setting	Call, Find PLU (Recommended: LINE2)
Self-Serve config.	Setup	Operation Setting	Self
Self-Serve setup	Setup	Sales Mode	Self-Serve mode Menu access: 495344,MODE
Shelf Life: +1 Day	Setup	Country	495344+PLU, Detail, Date
Single-Range	Adjust	Calibration	495344+SINGLE
Spanish			See Language
Standby Mode	Setup	Standby Mode	Display dims, scale is active
Tare Select	Setup	Operation Setting	Prod. (Select Tare 1 or 2)
Thermal Head Error	Setup	Error Process	Common (Error 0347-000x)
Touchscreen Calib.	Operation		CLEAR 10 times (with no PLU called)
Wireless	Setup	MachineNo.(Comms)	WiFi
Zero Price settings	Setup	Error Process	Issue

NOTE: Most Setup and Adjust menus are hidden.
Access by 495344 and [PLU] key from the main menu.