

CM0001x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-10 Series – with Support for the Epson ColorWorks Printer

Procedure to Install Uni-10 Firmware

Refer to the *Uni-10 Setup Manual* for complete information.

1. Copy the scale firmware folder "Soft" onto an empty USB memory stick.
 - The "Soft" folder itself must not be zipped even if some files in the folder are.
 - The "Soft" folder should be the only data on the USB memory stick.
2. Power up the scale and press the green **ENTER** button at the Date/Time confirm screen.
3. Open the access panel on the left side of the scale and insert the USB memory stick into any of the four USB ports.
 - No other USB devices should be connected.
4. Press the **RETURN ARROW** key (upper right) to enter the Main menu.
5. Press the **LOGIN** key (lower left).
6. Enter **495344** and press the **PLU** key to access hidden menu steps.
7. Press the **ADJUST** menu button.
8. Select **DOWNLOAD**.
9. Press the firmware version to be installed. It will be highlighted in yellow.
10. Press **EXEC** to confirm the selection.
11. Press **EXEC** to begin the firmware download.
12. The screen will show the firmware download progress. The download will take several minutes to complete.
13. When the Re-Boot Check message 15029-0002 is displayed, the firmware download is complete. The scale will automatically reboot.
14. Press the green **ENTER** button at the Date/Time confirm screen.
15. Press the **RETURN ARROW** key (upper right) to enter the Main menu. Then press the **LOGIN** key (lower left).
16. Enter **495344** and press the **PLU** key to access hidden menu steps.
17. Press the **ADJUST** menu button, then select **MEMORY CLEAR**.
18. Press **CLEAR** to ensure there is no unintended data resulting from the new firmware.
19. Press **EXEC** to confirm the memory clear.
20. Press the **RETURN ARROW** key (upper right) after the result of **OK** is displayed.
21. From the **ADJUST** menu select **DOWNLOAD**.
22. Press the **SUB APP** tab.
23. Press the program to be installed. It will be highlighted in yellow. Select only one Sub App program at a time.
24. Press **EXEC** to confirm the selection. Press **EXEC** to begin the firmware download.
25. The screen will show the firmware download progress. The download will take several minutes to complete.
26. When the Re-Boot Check message 15029-0002 is displayed the firmware, download is complete. The scale will automatically reboot.
27. Press the green **ENTER** button at the Date/Time confirm screen.
28. Press the **RETURN ARROW** key (upper right) to enter the Main menu.
29. Press the **LOGIN** key (lower left).
30. Enter **495344** and press the **PLU** key to access hidden menu steps.
31. Repeat steps 21 ~ 27 to load the remaining Sub App programs.
32. Remove the USB memory stick.

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Version CM0001K

Release Date: May 2026

Use with SLP-5 **2.62** or later (**required** for compatibility)

<u>Related Programs</u>	<u>P-1180B CPU</u>	<u>P-1180C CPU</u>
Main:	CM0002K	
Scale Driver:	J0994 (J0835)	J0994 (J0835)
OS:		
12.1 inch	J1100-4	J1100-4
10.1 inch	J1100-2	J1100-2
BOOT:	J1072C	J1072C
FPGA App.:	J1101	J1163
Scale:	J0776L or later	J0776L or later
Printer App:	B0809E or later	B0809E or later

NOTES:

- After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- After changing the color printer connection method or IP address the Uni-10 must be rebooted to activate the change [Setup menu → Machine No. → Outside Printer].
- After updating the printer application from a previous version (CM0001i or before), perform touch panel calibration [Adjust → Touch Screen].



Caution

Memory initialization may be required when upgrading to this firmware version. Use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **CM0001F** or an earlier version. Due to significant changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** (Adjust menu → Memory Clear) & **System Data Init.** (Setup menu → File Save/Load → Scale Init. tab). [8.6.1921.6]

The following lists the main changes from the previous version (CM0001J4).

- Updated the Printer Sub App to prevent timing conflicts with the head check process.

Version CM0001J4

Release Date: January 2025

Use with SLP-5 **2.62** or later (**required** for compatibility)

<u>Related Programs</u>	<u>P-1180B CPU</u>	<u>P-1180C CPU</u>
Main:	CM0002J4	
Scale Driver:	J0994 (J0835)	J0994 (J0835)
OS:		
12.1 inch	J1100-4	J1100-4
10.1 inch	J1100-2	J1100-2
BOOT:	J1072C	J1072C
FPGA App.:	J1101	J1163
Scale:	J0776L or later	J0776L or later
Printer App:	B0809D or later	B0809D or later

NOTES:

- After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.

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- b) After changing the color printer connection method or IP address the Uni-10 must be rebooted to activate the change [Setup menu → Machine No. → Outside Printer]
- c) After updating the printer application from a previous version (CM0001i or before), perform touch panel calibration [Adjust → Touch Screen].



Caution

Memory initialization may be required when upgrading to this firmware version. Use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **CM0001F** or an earlier version. Due to significant changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** (Adjust menu → Memory Clear) & **System Data Init.** (Setup menu → File Save/Load → Scale Init. tab). [8.6.1921.6]

The following lists the main changes from the previous version (CM0001J3).

- 1. Fixed an issue where an internal file was not being properly updated, preventing changes from being applied. This caused the WiFi USE setting in the Machine No. menu to be overwritten and reset to “NO” after a firmware update.
- 2. Fixed a bug where the PRINTER and FPGA sub apps could not be downloaded.

Version CM0001J3

Release Date: January 2025

Use with SLP-5 **2.62** or later (required for compatibility)

Related Programs	<u>P-1180B CPU</u>	<u>P-1180C CPU</u>
Main:	CM0002J3	
Scale Driver:	J0994 (J0835)	J0994 (J0835)
OS:		
12.1 inch	J1100-4	J1100-4
10.1 inch	J1100-2	J1100-2
BOOT:	J1072C	J1072C
FPGA App.:	J1101	J1163
Scale:	J0776L or later	J0776L or later
Printer App:	B0809D or later	B0809D or later

NOTES:

- a) After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- b) After changing the color printer connection method or IP address the Uni-10 must be rebooted to activate the change [Setup menu → Machine No. → Outside Printer]
- c) After updating the printer application from a previous version (CM0001i or before), perform touch panel calibration [Adjust → Touch Screen].



Caution

Memory initialization may be required when upgrading to this firmware version. Use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **CM0001F** or an earlier version. Due to significant changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** (Adjust menu → Memory Clear) & **System Data Init.** (Setup menu → File Save/Load → Scale Init. tab). [8.6.1921.6]

The following lists the main changes from the previous version (CM0001J2).

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1. Fixed an issue where the WiFi USE setting in the Machine No. menu was being overwritten and reset to “NO” after a firmware update.
2. Fixed a bug where the scale would not automatically reboot after performing a download of the Printer or FPGA sub apps.

Version CM0001J2

Release Date: January 2025

Use with SLP-5 **2.62** or later (**required** for compatibility)

Related Programs	<u>P-1180B CPU</u>	<u>P-1180C CPU</u>
Main:	CM0002J2	
Scale Driver:	J0994 (J0835)	J0994 (J0835)
OS:		
12.1 inch	J1100-4	J1100-4
10.1 inch	J1100-2	J1100-2
BOOT:	J1072C	J1072C
FPGA App.:	J1101	J1163
Scale:	J0776L or later	J0776L or later
Printer App:	B0809D or later	B0809D or later

NOTES:

- a) After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- b) After changing the color printer connection method or IP address the Uni-10 must be rebooted to activate the change [Setup menu → Machine No. → Outside Printer]
- c) After updating the printer application from a previous version (CM0001i or before), perform touch panel calibration [Adjust → Touch Screen].



Caution

Memory initialization **may be required when upgrading to this firmware version.** Use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **CM0001F** or an earlier version. Due to significant changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** (Adjust menu → Memory Clear) & **System Data Init.** (Setup menu → File Save/Load → Scale Init. tab). [8.6.1921.6]

The following lists the main changes from the previous version (CM0001J).

1. Fixed an issue where the +10% Total Price (MARKUP PRICE) and +10% Unit Price (MARKUP U/P) print fields were incorrectly mapped to the wrong ID values, resulting in inaccurate markup calculations.
 - +10% Total Price (MARKUP PRICE)
 - Before = 257
 - After = 256
 - +10% Unit Price (MARKUP U/P)
 - Before = 258
 - After = 257

Version CM0001J1

Release Date: January 2025

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CM0001J1 does not include changes that affect the USA.

Version CM0001J

Release Date: January 2025

Use with SLP-5 **2.62** or later (**required** for compatibility)

<u>Related Programs</u>	<u>P-1180B CPU</u>	<u>P-1180C CPU</u>
Main:	CM0002J	
Scale Driver:	J0994 (J0835)	J0994 (J0835)
OS:		
12.1 inch	J1100-4	J1100-4
10.1 inch	J1100-2	J1100-2
BOOT:	J1072C	J1072C
FPGA App.:	J1101	J1163
Scale:	J0776L or later	J0776L or later
Printer App:	B0809D or later	B0809D or later

NOTES:

- After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- After changing the color printer connection method or IP address the Uni-10 must be rebooted to activate the change [Setup menu → Machine No. → Outside Printer]
- After updating the printer application from a previous version (CM0001i or before), perform touch panel calibration [Adjust → Touch Screen].



Caution

Memory initialization **may be required when upgrading to this firmware version.** Use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **CM0001F** or an earlier version. Due to significant changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** (Adjust menu → Memory Clear) & **System Data Init.** (Setup menu → File Save/Load → Scale Init. tab). [8.6.1921.6]

The following lists the main changes from the previous version (CM0001i).

- Record digit length for Extra Msg.1, Ingredients (Extra Msg.2), and Extra Msg.3 has been increased from 6 digits to 8 digits.
- The maximum total character count for Extra Msg.1 and Ingredients (Extra Msg.2) has been increased from 4,096 to 6,500 characters.
- The Sales Transaction Data range for Sales mode has been changed from 0~1 to 0~5.
- The Sales Transaction Data range for Total Price has been changed from 0~1 to -99999999~99999999
- Fixed a bug that forced preset key coordinates to default values when sending and receiving presets using ScaleLink Pro 5.
- Fixed a bug where Campaign data created in SLP-5 and then sent down to the Uni-10 was not properly applied unless the user entered and exited the service menus.
- Changed the numbering of the Print ID list from decimal to hex values.
- Fixed a bug where the touch panel input may have become misaligned when the peel sensor value was 245 or higher and when the timing of the A/D conversion value coincided with the timing of the peel sensor sampling.
- Changed the description and spelling of system message 14059-0010.

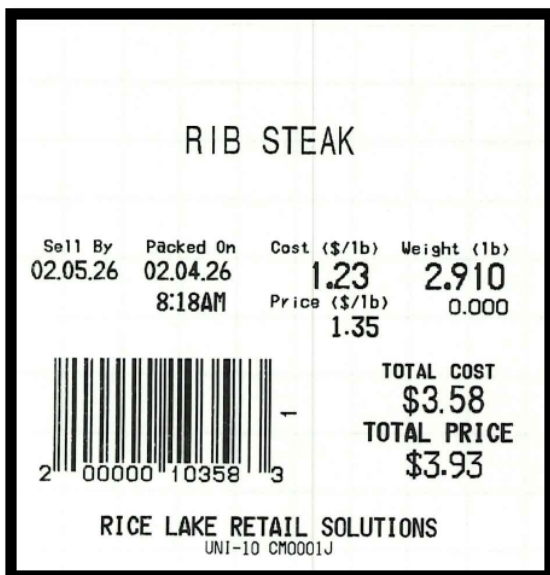
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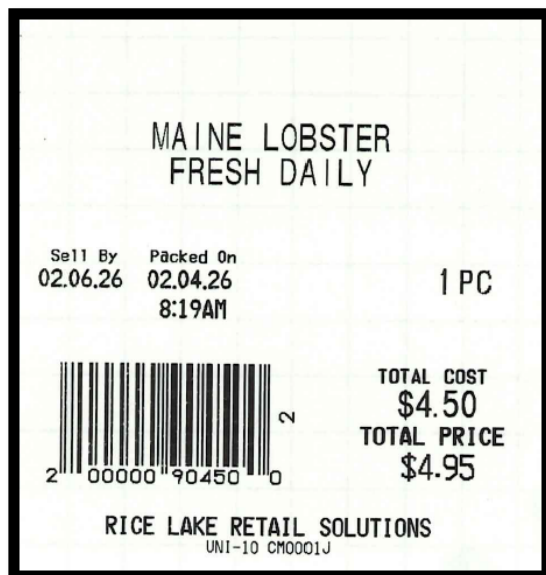
- Original:
 - “PLEASE WAIT 30 SEC TO ENABLE WiFi SETTINGS.”
 - Updated:
 - “PRESS [OK] THEN WAIT 30 SECONDS FOR THE NEW WiFi SETTINGS TO DOWNLOAD TO THE WIRELESS CARD.”
10. Fixed a bug where quantity/piece values were displayed incorrectly on the accumulation label when using the accumulator function key [524: ADD]. Pricing calculations were not affected.
- Example:
 - PLU No. 1: 2 pcs
 - PLU No. 2: 1 pc
 - PLU No. 3: 3 pcs
 - Original calculation:
 - 3 pcs
 - Updated calculation:
 - 6 pcs
11. Fixed a bug where the first and third lines were cut in half for PLUs with descriptions of three or more lines when displayed in dynamic search [function key 427: PLU Search].
12. Added a "Markup Ratio" setting to the Frequent Shopper menu (Setup menu). This is applicable for Cost+10% or similar customers.
- a. The Total Price markup calculation is: $\text{Total Price} + (\text{Total Price} \times \text{Markup Ratio} [\%]) - 0.0049$.
 - b. Round any one hundredths of a penny [third digit after the decimal] 0.0050 and higher to the next higher penny, 0.0049 or lower to the next lower penny.
 - c. The following examples show the markup and rounding for 10%.
 - i. Total Price is \$3.00
 - $3.00 + (3.00 \times 0.1) - 0.0049 = 3.2951$
 - Round UP to \$3.30
 - ii. Total Price is \$2.09
 - $2.09 + (2.09 \times 0.1) - 0.0049 = 2.2941$
 - Round DOWN to \$2.29
 - d. Four prices are available for Weighed items: the original price (cost) and the +10% markup price (consumer price) for both Total Price and Unit Price. Two prices are available for Fixed Price items: the original price (cost) and the 10% markup price (consumer price) for Total Price.
 - e. For Weighed items the markup Unit Price is calculated based on the weight.
 - f. The original price prints in the barcode. The POS calculates the markup as the consumer price.
 - g. Campaign PLUs designated as either Unit Price (Weighed items) or Fixed Price (Fixed Price items) support the Markup Ratio.
 - h. The Markup Ratio is available as 0% (default) to 99.9%.
13. Added two Print ID fields:
- a. 256 (598 in SLP-5): +10% Total Price
 - b. 257 (599 in SLP-5): +10% Unit Price (calculated from dividing +10% Total Price by weight)
14. SLP-5 must be updated to support the two new Print ID fields. The new Print IDs are added as follows:
- a. Open SLP-5 Setup Utility program.
 - b. From the Configuration menu, select **General Settings**.
 - c. Select the **Supported Functions** tab.

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- d. In the **General Operations** window, check Advanced Configuration Setting, click **OK**.
- e. Close and reopen the Setup Utility program.
- f. From the Configuration menu, select **Label Format**.
- g. Double click "UNI-10".
- h. In the Label Format Data window click the **Print ID Setup** button.
- i. Click the **New** button.
- j. Enter the following settings for the new Total Price +10% field:
 - i. Name = Total Price +10%
 - ii. Short Name = T.P. +10%
 - iii. Code = 598
 - iv. Special Meaning = None
 - v. Unit Type = Numeric
 - vi. Click **OK**.
- k. Enter the following settings for the new Unit Price +10% field:
 - vii. Name = Unit Price +10%
 - viii. Short Name = U.P. +10%
 - ix. Code = 599
 - x. Special Meaning = None
 - xi. Unit Type = Numeric
 - xii. Click **OK**.
- l. Click the **Close** button, click the **Save** button, Click the **Close** button.



Weighted PLU



Fixed Price PLU

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The screenshot shows the 'Edit Print ID' dialog box. The 'Name' field contains 'Total Price +10%', 'Short Name' contains 'T.P. +10%', 'Code' contains '598', 'Special Meaning' is set to 'None', and 'Unit Type' is set to 'Numeric'. There are 'OK' and 'Cancel' buttons at the bottom.

SLP-5 Total Price +10%

The screenshot shows the 'Edit Print ID' dialog box. The 'Name' field contains 'Unit Price +10%', 'Short Name' contains 'U.P. +10%', 'Code' contains '599', 'Special Meaning' is set to 'None', and 'Unit Type' is set to 'Numeric'. There are 'OK' and 'Cancel' buttons at the bottom.

SLP-5 Unit Price +10%

Version CM0001i

Release Date: January 2025

Use with SLP-5 2.62 or later (**required** for compatibility)

Related Programs	<u>P-1180B CPU</u>	<u>P-1180C CPU</u>
Main:	CM0002i	
Scale Driver:	J0994 (J0835)	J0994 (J0835)
OS:		
12.1 inch	J1100-4	J1100-4
10.1 inch	J1100-2	J1100-2
BOOT:	J1072C	J1072C
FPGA App.:	J1101	J1163
Scale:	J0776L or later	J0776L or later
Printer App:	B0809C or later	B0809C or later

NOTES:

- After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- After changing the color printer connection method or IP address the Uni-10 must be rebooted to activate the change [Setup menu → Machine No. → Outside Printer]



Caution

Memory initialization **may be required when upgrading to this firmware version.** Use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **CM0001F** or an earlier version. Due to significant changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** (Adjust menu → Memory Clear) & **System Data Init.** (Setup menu → File Save/Load → Scale Init. tab). [8.6.1921.6]

The following lists the main changes from the previous version (CM0001H).

- Fixed a bug where a WiFi settings prompt or error was displayed when a LAN connection was used and WiFi was disabled.

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- Fixed a bug where the incorrect font size was used when sending/receiving keyboard presets.
- Added the ability to display a security warning message when entering the menus using display image 997. The recommended image size is 972 x 596 pixels.
- Improved communication when sending and receiving all data.

Version CM0001H

Release Date: September 2024

Use with SLP-5 **2.62** or later (**required** for compatibility)

Related Programs	<u>P-1180B CPU</u>	<u>P-1180C CPU</u>
Main:	CM0002H	
Scale Driver:	J0994 (J0835)	J0994 (J0835)
OS:		
12.1 inch	J1100-4	J1100-4
10.1 inch	J1100-2	J1100-2
BOOT:	J1072C	J1072C
FPGA App.:	J1101	J1163
Scale:	J0776L or later	J0776L or later
Printer App:	B0809B or later	B0809B or later

NOTES:

- After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- After changing the color printer connection method or IP address the Uni-10 must be rebooted to activate the change [Setup menu → Machine No. → Outside Printer]



Caution

Memory initialization may be required when upgrading to this firmware version. Use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **CM0001F** or an earlier version. Due to significant changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** (Adjust menu → Memory Clear) & **System Data Init.** (Setup menu → File Save/Load → Scale Init. tab). [8.6.1921.6]

The following lists the main changes from the previous version (CM0001G).

- Added support for P-1180C CPU board. The correct program will automatically be selected based on the CPU version when the FPGA sub-app is downloaded.
IMPORTANT: Execute the prompt to power off the scale after downloading the FPGA sub app to the P-1180C CPU board. The Uni-10 does not automatically restart.
- Modified the power up sequence to skip the Date/Time confirmation screen.
- Removed the maximum size limitation for the logo images printed on a label. The previous maximum was 4 MB.
- Modified the Self-Serve mode to allow access to the menus only when no PLU is called. Menus are accessed by pressing the Total Price window six times.
- Modified operation for displaying the weight check QR Code in Self-Serve mode. After pressing preset key: 473: WEIGHT CHECK on the main page the QR Code is displayed once the weight placed on the scale stabilizes. See CM0001F item 13 for additional configuration details.
- Enabled preset key 76: PLU No. in Self-Serve mode. The key displays the PLU number; it does not call a list of PLUs when pressed as it does in standard mode.

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7. Modified the Self-Serve operation to return to the main screen after the time set in the SELF PRESET TIMER even when a weight is on the platter or a PLU is called (Setup menu → Operation Settings → Timer tab). The value is entered in seconds.

Version CM0001G

Release Date: October 2024

Use with SLP-5 **2.62** or later ([required](#) for compatibility)

Related Programs

Main: **CM0002G**
Scale Driver: J0994 (J0835)
OS:
 12.1 inch J1100-4
 10.1 inch J1100-2
BOOT: J1072C
FPGA App.: J1101
Scale: J0776L or later
Printer App: B0809B or later

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NOTES:

- a) After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- b) After changing the color printer connection method or IP address the Uni-10 must be rebooted to activate the change [Setup menu → Machine No. → Outside Printer]



Caution

Memory initialization is required when upgrading to this firmware version. Use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **CM0001F** or an earlier version. Due to significant changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** (Adjust menu → Memory Clear) & **System Data Init.** (Setup menu → File Save/Load → Scale Init. tab). [8.6.1921.6]

The following lists the main changes from the previous version (CM0001F1).

1. Modified the Auto Return justification options for variable text fields to eliminate short lines and broken words.
 - a. There are three options:
 - 04: AUTO RETURN - NO CR LEFT
 - 05: AUTO RETURN - NO CR CENTER UP
 - 06: AUTO RETURN - NO CR RIGHT
 - b. These three options are added from ScaleLink Pro 2.64b. These are the steps to add the justification options to prior SLP-5 versions.
 - i. Open the *SLP-5 Setup Utility*.
 - ii. Select **Label Format**.
 - iii. Select "Uni-10".
 - iv. Select **Unit Properties Setup**.
 - v. Select **Justification**.
 - vi. Edit the "0004 Auto line wrap" description and save:
 - Name: *Auto Line Wrap – Top Left*
 - Value: 4
 - vii. Click New, add the following to options and save:
 - Name: *Auto Line Wrap – Top Center*
 - Value: 5
 - Name: *Auto Line Wrap - Top Right*
 - Value: 6
 - viii. Click OK, Close (X), Save and Close (X).
 - ix. Close the Setup Utility
2. Modified the PLU preset key to display four lines of description when auto-populated by Top Seller Update or preset programming at the scale. The lines are limited to the first 16 characters. There is no word wrap to the next line. Any characters on a line beyond 16 will be cut off. Set the key width and character size accordingly.
3. Fixed a bug where the scale would lock up if the PLU description contained a "%" symbol, the PLU description was displayed using function key 431: PLU Name, and the scale was configured for self-serve mode.

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Version CM0001F

Release Date: August 2024

Use with SLP-5 **2.62** or later (**required** for compatibility)

Related Programs

Main: **CM0002F**

Scale Driver: J0994 (J0835)

OS:

12.1 inch J1100-4

10.1 inch J1100-2

BOOT: J1072C

FPGA App.: J1101

Scale: J0776L or later

Printer App: B0809B or later

NOTES:

- a) After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- b) After changing the color printer connection method or IP address the Uni-10 must be rebooted to activate the change [Setup menu → Machine No. → Outside Printer]



Caution

Memory initialization is required when upgrading to this firmware version. Use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **CM0001E1** or an earlier version. Due to significant changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** (Adjust menu → Memory Clear) & **System Data Init.** (Setup menu → File Save/Load → Scale Init. tab). [8.6.1921.6]

The following lists the main changes from the previous version (CM0001E1).

1. Modified the confirmation when the calibration save button is pressed to be one long beep.
2. Fixed a bug where sending the preset keyboard to the scale from ScaleLink Pro 5 caused error 12 Invalid Data. This was due to improper handling of the keyboard width for some of the secondary pages that are wider than 999 dots.
3. Fixed a bug that caused the scale to lock up when PLUs send from ScaleLink Pro 5 with two lines of description were added to the accumulator via the ADD function.
4. Added the "WPA2 PSK TKIP" encryption option. (Setup menu → Machine No. → WiFi tab).
5. Fixed a bug where the online status icon was inaccurate. Note that the "Connection Check Method" must be set as "PING" in order to properly ping the designated PC IP Address. (Setup menu → Machine No. → PC Com tab).
6. Fixed a bug where the Unit Price printed as "0.00" for Fixed Price PLUs programmed with a fixed bakery weight.
7. Added an option to Standby Mode to select the operator and customer display independently. The default is "YES" for both displays to dim in Standby Mode (Setup menu).
8. Fixed a bug where the Search screen displayed a font size in Japanese characters when using function key 521: Message Search.
9. Modified the label format Unit (field) Details to display the Print ID value in decimal format to match the Print ID list.
10. Fixed a bug where the label preview did not display the dates and prices correctly in Label Format (Setup menu).

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11. Modified the PLU's Fixed Weight field to accept up to "30000" from SLP-5 when the Sales Mode is 3: Case Weight. The maximum remains "999" for fixed ounce weight when the Sales Mode is 1: Fixed Price.
Note: Do not send Case Weight values over "999" to other models – it will cause a comms error. Only the Uni-10 will accept the higher values for fixed weight.
12. Modified custom barcode fields to support QR Codes. This is in addition to "Custom Barcode(QR)" (Print ID 119).
 - a. CUSTOM BARCODE (Print ID 113)
 - b. CUSTOM BARCODE2 (Print ID 120)
13. Added support to display a QR Code in Self-Service mode for weight check prior to distribution packaging. This feature is only available in Self-Service mode.
 - a. Added preset function key 473: WEIGHT CHECK to the main Self-Service page (Program menu → Preset Key → 7: Self → Jump Group 1).
 - b. The function key calls label format 998.
 - c. Create a customer barcode with ID 236: WEIGHT (USA).
 - d. Add QR Code: "Custom Barcode(QR)" (Print ID 119) to format 998 and link it to the custom barcode.
 - e. With no PLU called, place weight on the scale and press the function key 473: WEIGHT CHECK to display label format 998 and the QR Code.
 - f. Press the Back button to return to the main screen.
14. Modified the PLU NAME preset function key to display a label preview when pressed if the scale is in Self-Service mode (preset key ID 431).
 - a. Label format 999 is used for the label preview.
 - b. If the Return button is not pressed within four seconds the scale returns to the main operation screen – clearing the PLU. If the PLU is a Weighed item and weight is on the platter the display will remain at the label preview.
 - c. If label format 999 contains a custom barcode the actual data is displayed in the barcode.
15. Added an option for clearing the PLU's label preview during Self-Service mode.
 - a. The setting AUTO PLU0 CALL AFTER DISP. LABEL has been added (Setup menu → Operation Settings → Self tab).
NO – The display will remain at the label preview indefinitely. (default)
YES – If the Return button is not pressed within four seconds the scale returns to the main operation screen – clearing the PLU. If the PLU is a Weighed item and weight is on the platter the display will remain at the label preview until four seconds after the weight is removed.

Version CM0001E1

Release Date: June 2024

Use with SLP-5 **2.62** or later ([required](#) for compatibility)

Related Programs

Main: **CM0002E1**

Scale Driver: J0994 (J0835)

OS:

12.1 inch J1100-4

10.1 inch J1100-2

BOOT: J1072C

FPGA App.: J1101

CM0001x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-10 Series – with Support for the Epson ColorWorks Printer

Scale: J0776L or later
Printer App: B0809B or later

NOTES:

- After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- After changing the color printer connection method or IP address the Uni-10 must be rebooted to activate the change [Setup menu → Machine No. → Outside Printer]



Caution

Memory initialization is required when upgrading to this firmware version. Use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **CM0001E** or an earlier version. Due to significant changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** (Adjust menu → Memory Clear) & **System Data Init.** (Setup menu → File Save/Load → Scale Init. tab). [8.6.1921.6]

The following lists the main changes from the previous version (CM0001E).

- Modified the receipt barcode setup to remove the "Custom" option. If selected the Uni-10 would lock up when the accumulated label was printed.
- Changed the time to 12-hour format at the following:
 - Operation mode - top bar.
 - Preset function key 505: MASTER RECEIVE TIME.
 - Default label formats 1, 10, 12, 78, 901, 906, 907, 911, and 916-919.

Version CM0001E

Release Date: May 2024

Use with SLP-5 **2.62** or later (required for compatibility)

Related Programs

Main: **CM0002E**
Scale Driver: J0994 (J0835)
OS:
 12.1 inch J1100-4
 10.1 inch J1100-2
BOOT: J1072C
FPGA App.: J1101
Scale: J0776L or later
Printer App: B0809B or later

NOTES:

- After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- After changing the color printer connection method or IP address the Uni-10 must be rebooted to activate the change [Setup menu → Machine No. → Outside Printer]



Caution

Memory initialization is required when upgrading to this firmware version. Use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **CM0001D** or an earlier version. Due to significant changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** (Adjust menu → Memory Clear) & **System Data Init.** (Setup menu → File Save/Load → Scale Init. tab). [8.6.1921.6]

CM0001x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-10 Series – with Support for the Epson ColorWorks Printer

The following lists the main changes from the previous version (CM0001D).

1. Modified operation of the Auto Print Delay to also apply after the first label for weighed items.
2. Removed a duplicate listing of Use By Date Print in the Receive Control menu (Setup menu → Machine No. → PC Comm tab).
3. Modified Store and Cooking Time lists to select an item by double tapping to match other lists (Program menu).
4. Added date format options to the Custom Barcode (Setup menu). The format selection is made by setting the Start value to one of the options 1-8.

1: YYYYMMDD	2: MMDDYYYY	3: DDMMYYYY
4: YYMMDD	5: MMDDYY	6: DDMMYY
	7: MMDD	8: DDMM

Version CM0001D

Release Date: May 2024

Use with SLP-5 **2.62** or later (**required** for compatibility)

Related Programs

Main: **CM0002D**
Scale Driver: J0994 (J0835)
OS:
 12.1 inch J1100-4
 10.1 inch J1100-2
BOOT: J1072C
FPGA App.: J1101
Scale: J0776L or later
Printer App: B0809B or later

NOTES:

- a) After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- b) After changing the color printer connection method or IP address the Uni-10 must be rebooted to activate the change [Setup menu → Machine No. → Outside Printer]



Caution

Memory initialization is required when upgrading to this firmware version. Use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **CM0001C12** or an earlier version. Due to significant changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** (Adjust menu → Memory Clear) & **System Data Init.** (Setup menu → File Save/Load → Scale Init. tab). [8.6.1921.6]

The following lists the main changes from the previous version (CM0001C12).

1. Fixed a bug where the weight and tare values were not shown on the operation screen.

CM0001x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-10 Series – with Support for the Epson ColorWorks Printer

Version CM0001C12

Release Date: April 2024

Use with SLP-5 **2.62** or later (**required** for compatibility)

Related Programs

Main: **CM0002C12**
Scale Driver: J0994 (J0835)
OS:
 12.1 inch J1100-4
 10.1 inch J1100-2
BOOT: J1072C
FPGA App.: J1101
Scale: J0776L or later
Printer App: B0809B or later

NOTES:

- a) After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- b) After changing the color printer connection method or IP address the Uni-10 must be rebooted to activate the change [Setup menu → Machine No. → Outside Printer]



Caution

Memory initialization is required when upgrading to this firmware version. Use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **CM001C10** or an earlier version. Due to significant changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** (Adjust menu → Memory Clear) & **System Data Init.** (Setup menu → File Save/Load → Scale Init. tab). [8.6.1921.6]

The following lists the main changes from the previous version (CM0001C10).

1. Modified the operation of the ADD function.
 - a. Allow accumulation format #98 to expand when using continuous label.
 - b. Display an error with instructions when the maximum 20 items have been accumulated.
 - c. Automatically clear the accumulation and return to the main screen after the label has been printed.
 - d. Change the title at the top of the center column to "QTY/WGT".
 - e. Print "lb" after the weight for weighed items on the label.
 - f. When OK is pressed at message 11045-0002 "MAXIMUM ITEMS HAVE BEEN ACCUMULATED", go to the PLU Memory screen listing the accumulated items.
 - g. Fix problem where odd characters are displayed following the Tare and Weight titles on the main screen after printing the accumulated label.
 - h. Fix a problem where the scale locked up when printing the accumulated label if a PLU has only one line of description.
 - i. Add the option to print a fixed barcode or the barcode of the first accumulated PLU.
Setup menu → Operation Settings → Print tab → Accum. Barcode Print.

Notes:

- The fixed barcode is set at Setup menu → Receipt Setting → Barcode tab → Receipt Code.
- The label header title is set at Setup menu → Receipt Setting → Title tab → Header Text

CM0001x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-10 Series – with Support for the Epson ColorWorks Printer

Version CM0001C10

Release Date: April 2024

Use with SLP-5 **2.62** or later (required for compatibility)

Related Programs

Main: **CM0002C10**
Scale Driver: J0994 (J0835)
OS:
 12.1 inch J1100-4
 10.1 inch J1100-2
BOOT: J1072C
FPGA App.: J1101
Scale: J0776L or later
Printer App: B0809B or later

NOTES:

- a) After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- b) After changing the color printer connection method or IP address the Uni-10 must be rebooted to activate the change [Setup menu → Machine No. → Outside Printer]



Caution

Memory initialization is required when upgrading to this firmware version. Use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **CM001C6** or an earlier version. Due to significant changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** (Adjust menu → Memory Clear) & **System Data Init.** (Setup menu → File Save/Load → Scale Init. tab). [8.6.1921.6]

The following lists the main changes from the previous version (CM0001C6).

1. Modified the operation of the ADD function.
 - a. Fixed a bug where the scale locked up when the Return Arrow was pressed to go back to the main screen after printing the accumulated label.
 - b. Changed the title of the message 11045-0002 to "MAXIMUM ITEMS HAVE BEEN ACCUMULATED".
 - c. Changed the "RECEIPT PRINT" button to "PRINT ACCUM." and changed the button color to green to highlight it
 - d. Remove the "PRINT" key from the accumulation screen.
 - e. Changed to display the Quantity as "X PC" instead of "X EA".
 - f. Changed the prices to print with right justification on accumulation format #98.
 - g. Changed unit for fixed price items from "QTY" to "PC".

Version CM0001C6

Release Date: March 2024

Use with SLP-5 **2.62** or later (required for compatibility)

Related Programs

Main: **CM0002C6**
Scale Driver: J0994 (J0835)

CM0001x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-10 Series – with Support for the Epson ColorWorks Printer

OS:

12.1 inch J1100-4

10.1 inch J1100-2

BOOT: J1072C

FPGA App.: J1101

Scale: J0776L or later

Printer App: B0809B or later

NOTES:

- a) After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- b) After changing the color printer connection method or IP address the Uni-10 must be rebooted to activate the change [Setup menu → Machine No. → Outside Printer]



Caution

Memory initialization is required when upgrading to this firmware version.

Use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **CM001C5** or an earlier version. Due to significant changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** (Adjust menu → Memory Clear) & **System Data Init.** (Setup menu → File Save/Load → Scale Init. tab). [8.6.1921.6]

The following lists the main changes from the previous version (CM0001C5).

1. Added the ADD function to accumulate PLUs for "build a sandwich" or similar operations.
 - a. Added preset function key 524: ADD.
 - b. Weighed and Fixed Price items may be accumulated.
 - c. The Unit Price and Quantity may be changed on the accumulated (PLU Memory) screen.
 - d. The ADD key is a split key. The lower half displays the status:
 - NONE: no PLUs have been accumulated (white background)
 - WAITING: one or more PLUs have been accumulated (green background)
 - There is no need to split the key on the Function key page. The button is just pressed to add items to the accumulation.
 - Press the ADD key from the main screen to display the list of accumulated items.
 - e. Up to 20 items may be accumulated.
 - f. The accumulated items are printed using label format #98.
 - g. The barcode is set at Setup menu → Receipt Setting → Barcode tab → Receipt Code.
 - h. After printing the accumulated label, a prompt is displayed to clear the items from memory.

Version CM0001C5

Release Date: December 2023

Use with SLP-5 **2.62** or later (required for compatibility)

Related Programs

Main: **CM0002C5**

Scale Driver: J0994 (J0835)

OS:

12.1 inch J1100-4

10.1 inch J1100-2

BOOT: J1072C

CM0001x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-10 Series – with Support for the Epson ColorWorks Printer

FPGA App.: J1101
Scale: J0776L or later
Printer App: B0809B or later

NOTES:

- a) After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- b) After changing the color printer connection method or IP address the Uni-10 must be rebooted to activate the change [Setup menu → Machine No. → Outside Printer]



Caution

Memory initialization is required when upgrading to this firmware version. Use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **CM0001C** or an earlier version. Due to significant changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** (Adjust menu → Memory Clear) & **System Data Init.** (Setup menu → File Save/Load → Scale Init. tab). [8.6.1921.6]

The following lists the main changes from the previous version (CM0001C).

1. Fixed a bug where the price could not be changed on the PLU List screen: Program menu → PLU.
2. Added a "Setup Password" **951753** to enable Setup menu items for an IT department or advanced end user. This avoids the need to provide the service password. Additional steps are:
 - Machine No. – all settings, including PLU Receive filter
 - Cassette
 - Label Format
 - Barcode
 - Operation Settings
 - Error Process
3. Added support for the preset key Style "NO" to communication with SLP-5. This style support images only with no background key outline. Current descriptions at the Uni-10 in SLP-5 as of version 2.62.

Uni-10	SLP-5
ANGLE	Thick Box
ROUND	Thick Corner Round
NO	Flat Box

4. Fixed a bug where sending preset keys to the Uni-10 could cause an "out of range" error in SLP-5.

Version CM0001C

Release Date: October 2023

Use with SLP-5 **2.62** or later (required for compatibility)

Related Programs

Main: **CM0002C**
Scale Driver: J0994 (J0835)
OS:
12.1 inch J1100-4
10.1 inch J1100-2

CM0001x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-10 Series – with Support for the Epson ColorWorks Printer

BOOT: J1072C
FPGA App.: J1101
Scale: J0776L or later
Printer App: B0809B or later

NOTES:

- a) After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- b) After changing the color printer connection method or IP address the Uni-10 must be rebooted to activate the change [Setup menu → Machine No. → Outside Printer]



Caution

Memory initialization **is required** when upgrading to this firmware version. Use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **CM0001B** or an earlier version. Due to significant changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** (Adjust menu → Memory Clear) & **System Data Init.** (Setup menu → File Save/Load → Scale Init. tab). [8.6.1921.6]

The following lists the main changes from the previous version (CM0001B).

1. Fixed a bug where the "\$" did not print correctly for font sizes 14x10, 24x18, 34x16, and 56x24.
2. Fixed a bug where the markdown price calculation was incorrect when the number of pieces was changed in operation mode.
3. Fixed a bug where the markdown price was not displayed correctly on the customer side display.
4. Fixed a bug where the markdown price was not displayed on the customer display when the PLU was in a Campaign.
5. Fixed a bug where a custom barcode was not correctly linked to a QR Code.
6. Fixed the "/FOR" field to print correctly.
7. Fixed the label preview to display correctly.
8. Modified the Calculated Unit Price (Print ID 1A8) to print only when the PLU Sales Mode is "2:Wgt w/ Fixed Price".
9. Added a slash symbol "/" to indicate the line break when displaying PLU lists where the PLUs have multiple lines in the description.

Version CM0001B

Release Date: July 2023

Use with SLP-5 **2.62** or later (**required** for compatibility)

Related Programs

Main: **CM0002B**
Scale Driver: J0994 (J0835)
OS:
 12.1 inch J1100-4
 10.1 inch J1100-2
BOOT: J1072C
FPGA App.: J1101
Scale: J0776L or later
Printer App: B0809B or later

CM0001x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-10 Series – with Support for the Epson ColorWorks Printer

NOTES:

- a) After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- b) After changing the color printer connection method or IP address the Uni-10 must be rebooted to activate the change [Setup menu → Machine No. → Outside Printer]



Caution

Memory initialization is required when upgrading to this firmware version. Use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **CM0001A** or an earlier version. Due to significant changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** (Adjust menu → Memory Clear) & **System Data Init.** (Setup menu → File Save/Load → Scale Init. tab). [8.6.1921.6]

The following lists the main changes from the previous version (CM0001A).

1. Changed the function key numbers to avoid duplication with other models. Numbers 521 to 540 are reserved for the Uni-10.
 - 521: MES SEARCH
 - 522: PLU(+No.)
 - 523: BACKGROUND

Version CM0001A

Release Date: May 2023

Use with SLP-5 **2.62** or later (**required** for compatibility)

Related Programs

Main: **CM0002A**
Scale Driver: J0994 (J0835)
OS:
 12.1 inch J1100-4
 10.1 inch J1100-2
BOOT: J1072C
FPGA App.: J1101
Scale: J0776L or later
Printer App: B0809B or later

NOTES:

- a) After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- b) After changing the color printer connection method or IP address the Uni-10 must be rebooted to activate the change [Setup menu → Machine No. → Outside Printer]



Caution

Memory initialization is required when upgrading to this firmware version. Use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **CM0001** or an earlier version. Due to significant changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** (Adjust menu → Memory Clear) & **System Data Init.** (Setup menu → File Save/Load → Scale Init. tab). [8.6.1921.6]

The following lists the main changes from the previous version (CM0001).

1. Fixed the size of the ISHIDA logo to appear on the customer side Display.

CM0001x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-10 Series – with Support for the Epson ColorWorks Printer

2. Fixed an issue where the Ad Message did not display the entire video.
3. Modified the Ad Message to play a silent video.
4. Modified to allow a PLU set as sale mode 3: Case Weight (Fix UPR) sent to the scale to include a fixed weight up to 99.999 lb.
5. Added "Bakery (XL)" as an option for service support when the scale is not functioning. (Adjust menu → Machine Type).
6. Fixed a bug where PLU key type 468: PLU(+No.) could not be edited using the 447: Preset Edit function key.
7. Fixed the Time Zone to sound an error when the key is pressed and the service password has not been entered in the main menu. (Adjust menu → Date Time).
8. Fixed the Logo Image to display the description and icon correctly. (Program menu).
9. Fixed a bug where pressing the PLU name area after calling PLU did not display a label preview.
10. Fixed a bug causing abnormal behavior when printing a GTIN barcode due to the lack of buffer memory allocated for the data.
11. Added an "Update Thumbnail" setting to the File Save/Load menu → Detail. (Setup menu).
12. Fixed a bug where the scale would lockup when sending or receiving data to a USB. (Setup menu → File Save/Load).
13. Enhanced the search speed of function key 467: Ingredient Search.
14. Fixed a bug where the search results from a large amount of ingredients did not show all pages when using function key 467: Ingredient Search.

Version CM0001

Release Date: February 2023

Use with SLP-5 **2.62** or later (required for compatibility)

Related Programs

Main: CM0002
Scale Driver: J0994 (J0835)
OS:
 12.1 inch J1100-4
 10.1 inch J1100-2
BOOT: J1072C
FPGA App.: J1101
Scale: J0776L or later
Printer App: **B0809B** or later

NOTES:

- a) After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- b) After changing the color printer connection method or IP address the Uni-10 must be rebooted to activate the change [Setup menu → Machine No. → Outside Printer]



Caution

Memory initialization is required when upgrading to this firmware version. Use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading the firmware. Due to significant changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** (Adjust menu → Memory Clear) & **System Data Init.** (Setup menu → File Save/Load → Scale Init. tab). [8.6.1921.6]

CM0001x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-10 Series – with Support for the Epson ColorWorks Printer

The following lists the main changes from the previous version (Uni-9: C2417K).

1. CM0001 is the initial release of Uni-10 firmware.
2. Fixed a bug where Display and Logo images were not updated when sent to the scale.
 - a. When the Department function is disabled, the leading 4-digit number in the image file is now forced to be "0001". Example:
0000IMAGExxx.bmp → 0001IMAGExxx.bmp
0002IMAGExxx.bmp → 0001IMAGExxx.bmp
 - b. When the Department function is enabled, the leading 4-digit number in the image file is not changed.
 - c. The Department No. (=Network No.)
3. Added the NEXT key to scroll through search results when using function key 467:
Ingredient Search
4. Updated the Printer Sub App to B0809B to support Head Check Noise detection and fix a driver issue related to the UART.



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