

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series

The previous Ishida Uni-9 firmware **C2249x** has been superseded by firmware **C2540x**.

Procedure to Install Uni-9 Firmware

Refer to the *Uni-9 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 must 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. Raise the touchscreen and open the access panel next to the power switch. 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.

Procedure to convert to 2020 Nutrition data format

See [C2249K item 1h](#) for detailed step by step instructions.

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series

Table of Contents

Procedure to Install Uni-9 Firmware	1
Procedure to convert to 2020 Nutrition data format	1
Version C2540A.....	3
Version C2540	3
Version C2249Z	4
Version C2249Y	5
Version C2249X.....	6
Version C2249W	6
Version C2249V	7
Version C2249U.....	8
Version C2249T	8
Version C2249S.....	9
Version C2249R.....	10
Version C2249P	10
Version C2249N.....	11
Version C2249M	12
Version C2249L	12
Version C2249K.....	13
Version C2249J	15
Version C2249H.....	16
Version C2249G	16
Version C2249F	17
Version C2249E.....	18
Version C2249D.....	18
Version C2249C.....	19
Version C2249B.....	20
Version C2249A.....	20
Version C2249	21

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series

Version C2540A

Release Date: July 25, 2024

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

Related Programs	P-1100B CPU	P-1100D CPU
Main:	C2541A	C2541A
Scale Driver:	B0671 (J0835)	B0671 (J0835)
OS:	J0829C or later	J1050A
BIOS:	J0825	J0825
FPGA App.:	J0820C (J0824)	J0973B (J0972A)
Scale:	J0776E or later	J0776E or later
Printer App:	C1964B or later (J0827)	C2310B (J0974A)

NOTES:

- After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- Do not select "STOP" when exiting the WiFi setting screen when the "SX" option is selected. This will cause the settings displayed on the screen to differ from the actual card settings.



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 **C2249J** 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). [8.6.1921.3]

The following lists the main changes from the previous version (C2540)

- Fixed a bug where the bakery weight (ounces) was cleared to zero when the operator changed the price of a fixed price PLU.
- Changed to print the unit price of a Fixed Price PLU using Print ID 57: FIXED PRICE.

Version C2540

Release Date: December 20, 2023

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

Related Programs	P-1100B CPU	P-1100D CPU
Main:	C2541	C2541
Scale Driver:	B0671 (J0835)	B0671 (J0835)
OS:	J0829C or later	J1050A
BIOS:	J0825	J0825
FPGA App.:	J0820C (J0824)	J0973B (J0972A)
Scale:	J0776E or later	J0776E or later
Printer App:	C1964B or later (J0827)	C2310B (J0974A)

NOTES:

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

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series

- b) Do not select "STOP" when exiting the WiFi setting screen when the "SX" option is selected. This will cause the settings displayed on the screen to differ from the actual card settings.



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 **C2249J** 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). [8.6.1921.3]

The following lists the main changes from the previous version (C2249Z)

1. Firmware C2540x is the continuation of Uni-9 firmware C2249x.
2. Added support for "WPA2 PSK TKIP" encryption when the "SX" option is selected (Setup menu → Machine No. → WiFi tab).

IMPORTANT: It is expected that updating the Uni-9 firmware to version C2540 or later will be sufficient for the WPA2 PSK TKIP encryption to function. If it does not, however, the firmware on the SX-590 WiFi board must then be updated to version 1.43. Contact Rice Lake for assistance.

Version C2249Z

Release Date: 14 July 2023

Use with SLP-5 **2.40t** or later (**strongly recommended** for compatibility)

<u>Related Programs</u>	<i>P-1100B CPU</i>	<i>P-1100D CPU</i>
Main:	C2250Z	C2250Z
Scale Driver:	B0671 (J0835)	B0671 (J0835)
OS:	J0829C or later	J1050A
BIOS:	J0825	J0825
FPGA App.:	J0820C (J0824)	J0973B (J0972A)
Scale:	J0776E or later	J0776E or later
Printer App:	C1964B or later (J0827)	C2310B (J0974A)

NOTES:

- a) After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- b) Do not select "STOP" when exiting the WiFi setting screen when the "SX" option is selected. This will cause the settings displayed on the screen to differ from the actual card settings.



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 **C2249J** 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). [8.6.1921.3]

The following lists the main changes from the previous version (C2249Y)

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series

1. Modified the fan speed to fix an issue where the fan in some Uni-9 S version scales was too loud due to variations in the components.
2. Added support for French titles on the nutrition programming screens.

Version C2249Y

Release Date: 6 April 2023

Use with SLP-5 **2.40t** or later (strongly recommended for compatibility)

Related Programs	<i>P-1100B CPU</i>	<i>P-1100D CPU</i>
Main:	C2250X	C2250X
Scale Driver:	B0671 (J0835)	B0671 (J0835)
OS:	J0829C or later	J1050A
BIOS:	J0825	J0825
FPGA App.:	J0820C (J0824)	J0973B (J0972A)
Scale:	J0776E or later	J0776E or later
Printer App:	C1964B or later (J0827)	C2310A (J0974A)

NOTES:

- a) After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- b) Do not select "STOP" when exiting the WiFi setting screen when the "SX" option is selected. This will cause the settings displayed on the screen to differ from the actual card settings.



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 **C2249J** 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). [8.6.1921.3]

The following lists the main changes from the previous version (C2249X)

1. Modified operation so that the Fixed Weight is adjusted when the number of pieces for Fixed Price items is changed.
Examples: PLU 1, Quantity = 3, Fixed Weight = 30 oz
 - a. Call PLU 1, change quantity to 6 (by X Multiply key): Fixed Weight changes to 60 oz
 - b. Call PLU 1, change quantity to 1 (by X Multiply key): Fixed Weight changes to 10 oz**Note:** When the number of pieces is reduced the weight calculation will round up to the next whole ounce. For example, 6.6 oz prints as 7 oz.
2. Fixed a bug where PLUs set as Fixed Price & Weigh (Fixed UPR) did not accept a fixed weight greater than "999" when sent from ScaleLink Pro 5 or other scale management software. Fixed weight values are now accepted up to "30000" or 30.000 lb. The maximum weight for a Fixed Price PLU remains "999" or 999 ounces.

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series

Version C2249X

Release Date: 11 March 2023

Use with SLP-5 **2.40t** or later ([strongly recommended](#) for compatibility)

Related Programs	P-1100B CPU	P-1100D CPU
Main:	C2250X	C2250X
Scale Driver:	B0671 (J0835)	B0671 (J0835)
OS:	J0829C or later	J1050A
BIOS:	J0825	J0825
FPGA App.:	J0820C (J0824)	J0973B (J0972A)
Scale:	J0776E or later	J0776E or later
Printer App:	C1964B or later (J0827)	C2310A (J0974A)

NOTES:

- After downloading the Main program, download the Printer Sub App and FPGA Sub App programs one at a time as needed.
- Do not select "STOP" when exiting the WiFi setting screen when the "SX" option is selected. This will cause the settings displayed on the screen to differ from the actual card settings.



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 **C2249J** 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). [8.6.1921.3]

The following lists the main changes from the previous version (C2249W)

- Optimized the file input/output and master send/receive with SLP-5 for P-1100D board.

Version C2249W

Release Date: 20 April 2022

Use with SLP-5 **2.40t** or later ([strongly recommended](#) for compatibility)

Related Programs	P-1100B CPU	P-1100D CPU
Main:	C2250W	C2250W
Scale Driver:	B0671 (J0835)	B0671 (J0835)
OS:	J0829C or later	J1050
BIOS:	J0825	J0825
FPGA App.:	J0820C (J0824)	J0973B (J0972)
Scale:	J0776E or later	J0776E or later
Printer App:	C1964B or later (J0827)	C2310 (J0827)

NOTES:

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

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series

- b) Do not select "STOP" when exiting the WiFi setting screen when the "SX" option is selected. This will cause the settings displayed on the screen to differ from the actual card settings.



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 **C2249J** 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). [8.6.1921.3]

The following lists the main changes from the previous version (C2249V)

1. Added support for the Silex SX-590 wireless card in addition to the Lantronix WiPort.
 - a. The "DEVICE" setting was added to the WiFi setting screen (Setup menu → Machine No.). The options are "WiPort" (default) and "SX".
 - b. The SX-590 card supports the following encryption. Unsupported encryption types are shaded out on the WiFi screen.
 - WEP128
 - WPA PSK (personal) TKIP
 - WPA2 PSK (personal) CCMP
 - c. The Uni-9 will automatically reboot after entering the settings for the SX-590 card and exiting.
 - d. The SX-590 supports both the 2.4 GHZ and 5 GHZ frequency band, unlike the WiPort that supports only 2.4 GHZ.
 - e. The SX-590 supports 802.11a/b/g/n/ac (1x1) compared to the WiPort that only works with 802.11 b/g.
 - f. For identification purposes, scales with the Silex SX-590 installed from the factory use a white antenna.
2. Added support for the new "D" revision of the P-1100 CPU board. This board uses different sub-app firmware as noted in the "Related Programs" section above due to different components on the board. Only the sub-apps supported by each CPU board version are listed to avoid confusion and to prevent loading incompatible firmware.

Version C2249V

Release Date: 8 December 2020

Use with SLP-5 **2.40t** or later (**strongly recommended** for compatibility)

Related Programs

Main: C2250V
Scale Driver: B0671 (J0835)
OS: J0829C or later
BIOS: J0825
FPGA App.: J0820C (J0824)
Scale: J0776E or later
Printer App: C1964B or later (J0827)

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

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series



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 **C2249J** 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). [8.6.1921.3]

The following lists the main changes from the previous version (C2249U)

1. Fixed a bug where only the first event listed in the Scheduler would execute.

Version C2249U

Release Date: 27 November 2020

Use with SLP-5 **2.40t** or later ([strongly recommended](#) for compatibility)

Related Programs

Main: C2250U
Scale Driver: B0671 (J0835)
OS: J0829C or later
BIOS: J0825
FPGA App.: J0820C (J0824)
Scale: J0776E or later
Printer App: C1964B or later (J0827)

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



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 **C2249J** 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). [8.6.1921.3]

The following lists the main changes from the previous version (C2249T)

1. Fixed a bug where the Top Seller function did not recognize and accumulate a PLU transaction if the Department number in the PLU was set to a value other than zero.

Version C2249T

Release Date: 11 November 2020

Use with SLP-5 **2.40t** or later ([strongly recommended](#) for compatibility)

Related Programs

Main: C2250T
Scale Driver: B0671 (J0835)
OS: J0829C or later
BIOS: J0825

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series

FPGA App.: J0820C (J0824)
Scale: J0776E or later
Printer App: C1964B or later (J0827)

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



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 **C2249J** 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). [8.6.1921.3]

The following lists the main changes from the previous version (C2249S)

1. Added support for VNC+SSH secure remote connection. The setting is in the Setup menu → Machine No. → Global Sv. tab.
 - a. The scale must be powered off after setting Remote Operation as ENABLE VNC+SSH to recognize the change.
 - b. An operating system patch must be Z1760A must be installed to support the secure connection.
 - c. Two Windows software programs are used to configure the connection and then connect to the machine: *Tera Term* and *UltraVNC*.
 - d. Refer to the **TB_Remote_VNC_Connection_With_SSH_TB20201207** technical bulletin for complete details.

Version C2249S

Release Date: 12 June 2020

Use with SLP-5 **2.40t** or later (strongly recommended for compatibility)

Related Programs

Main: C2250S
Scale Driver: B0671 (J0835)
OS: J0829C or later
BIOS: J0825
FPGA App.: J0820C (J0824)
Scale: J0776E or later
Printer App: C1964B or later (J0827)

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



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 **C2249J** 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). [8.6.1921.3]

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series

The following lists the main changes from the previous version (C2249R)

1. Eliminated case sensitive searches. This is only available when the configuration is set to search "ALL" text. [Setup menu → Operation Settings → Call1 tab → Find PLU = ALL]

Version C2249R

Release Date: 15 May 2020

Use with SLP-5 **2.40t** or later ([strongly recommended](#) for compatibility)

Related Programs

Main: C2250R
Scale Driver: B0671 (J0835)
OS: J0829C or later
BIOS: J0825
FPGA App.: J0820C (J0824)
Scale: J0776E or later
Printer App: C1964B or later (J0827)

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



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 **C2249J** 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). [8.6.1921.3]

The following lists the main changes from the previous version (C2249P)

1. Fixed a bug where the last digit of the Date did not print if the character pitch was set as zero (0).

Version C2249P

Release Date: 10 February 2020

Use with SLP-5 **2.40t** or later ([strongly recommended](#) for compatibility)

Related Programs

Main: C2250P
Scale Driver: B0671 (J0835)
OS: J0829C or later
BIOS: J0825
FPGA App.: J0820C (J0824)
Scale: J0776E or later
Printer App: C1964B or later (J0827)

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

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series



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 **C2249J** 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). [8.6.1921.3]

The following lists the main changes from the previous version (C2249N)

1. Fixed a bug where the scale could reset when using the Search (function key 427, SLP-5: SEARCH). If the PLU Name contained more than approximately 215 characters, the scale would reset when the PLU was selected from the Search list.

Version C2249N

Release Date: 6 January 2020

Use with SLP-5 **2.40t** or later ([strongly recommended](#) for compatibility)

Related Programs

Main: C2250M
Scale Driver: B0671 (J0835)
OS: J0829C or later
BIOS: J0825
FPGA App.: J0820C (J0824)
Scale: J0776E or later
Printer App: C1964B or later (J0827)

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



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 **C2249J** 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). [8.6.1921.3]

The following lists the main changes from the previous version (C2249L)

1. Fixed a bug where the bakery weight (ounces) was cleared to zero when the operator changed the price of a fixed price PLU.
2. Modified operation to not print the unit price when a fixed price PLU is programmed with a bakery weight (ounces). The PCS/@ price statement is available as usual.

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series

Version C2249M

Release Date: 21 October 2019

Use with SLP-5 **2.40t** or later ([strongly recommended](#) for compatibility)

Related Programs

Main: C2250M
Scale Driver: B0671 (J0835)
OS: J0829C or later
BIOS: J0825
FPGA App.: J0820C (J0824)
Scale: J0776E or later
Printer App: C1964B or later (J0827)

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



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 **C2249J** 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). [8.6.1921.3]

The following lists the main changes from the previous version (C2249L)

1. Fixed a bug where the Case Weight (Fixed UPR) weight entry pop up screen reappeared after the weight had been entered.
2. Added automatic tare rounding of the Tare 1 value sent from a host PC when the scale is configured for 30 x 0.005 Kg single-range operation. Example: 2g → 0g, 4g → 5g, 6g → 5g, 8g → 10g. The original value sent to Tare 2 is received as is with no rounding.

Version C2249L

Release Date: 9 October 2019

Use with SLP-5 **2.40t** or later ([strongly recommended](#) for compatibility)

Related Programs

Main: C2250L
Scale Driver: B0671 (J0835)
OS: J0829C or later
BIOS: J0825
FPGA App.: J0820C (J0824)
Scale: J0776E or later
Printer App: C1964B or later (J0827)

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

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series



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 **C2249J** 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). [8.6.1921.3]

The following lists the main changes from the previous version (C2249K)

1. This version was not released for the USA as there were no relevant changes.

Version C2249K

Release Date: 2 September 2019

Use with SLP-5 **2.40t** or later ([strongly recommended](#) for compatibility)

Related Programs

Main: C2250K
Scale Driver: B0671 (J0835)
OS: J0829C or later
BIOS: J0825
FPGA App.: J0820C (J0824)
Scale: J0776E or later
Printer App: C1964B or later (J0827)

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



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 **C2249J** 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). [8.6.1921.3]

The following lists the main changes from the previous version (C2249J)

1. Added support to print the new 2020 Nutrition data.
 - a. Nutrition editing screens (Program menu → Nutrition) are changed to two forms listing the new nutrition data fields plus a "free" table that can be used for miscellaneous additional values.
 - Form 1 tab – for single column format
 - Form 2 tab – for dual column format
 - Free tab – for miscellaneous fields
 - b. All values are converted to text to support decimals, percent symbols, etc.
 - c. When nutrition data is sent from SLP-5 in the old numeric format, it is converted and stored in the 2020 text format. The appropriate unit is automatically added: g, mg, or %.
 - d. The following nutrition data from the old format that are no longer required in the new 2020 Nutrition format are saved as follows.
 - Calorie From Fat → Nutr.Free1
 - Protein (%) → Nutr.Free2 (%)
 - Sugars (%) → Nutr.Free3 (%)

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series

- Vitamin A (%) → Nutr.Free4 (%)
 - Vitamin C (%) → Nutr.Free5 (%)
 - Sugar Alcohol → Nutr.Free1 (%)
- e. After installing C2249K it is not possible to receive nutrition data in the old numeric format in to SLP-5.
 - f. If SLP-5 is configured for the old nutrition format and nutrition data are requested from a scale with C2249K installed, no data will be received in to SLP-5. There is no error.
 - g. SLP-5 can be changed between the old and new 2020 Nutrition format as follows: Open SLP-5 Setup Utility → General → General #2 tab → Enable "Nutrition: USA format (2020)"?
 - h. **It is not possible to transfer old nutrition data by USB backup** to the machine after a firmware update to C2249K. SLP-5 must be used to receive the old nutrition data **before** the update. And then send the nutrition data from SLP-5 after the update. Refer to the following steps.
 - i. Create a full USB backup.
 - ii. Configure SLP-5 for the original nutrition format. See step g. above.
 - iii. Receive all data into SLP-5.
 - iv. Install C2249K or later firmware.
 - v. Clear the scale's memory: Adjust menu → Memory Clear.
 - vi. Reconfigure the scale for USA, etc. as needed.
 - vii. Load the full USB backup. The old-style nutrition data will fail to load.
 - viii. Send nutrition data from SLP-5 to the scale.
 - ix. Reconfigure SLP-5 for the 2020 Nutrition format
 - x. Receive the converted nutrition data from the scale. See step g. above.
 - xi. Download updated label formats as needed to print the 2020 Nutrition format.
2. Added 2020 Nutrition Print IDs 2C0 to 2EE (704 to 750 in SLP-5).
 3. Converted all original nutrition fields (Print IDs) to text format. This allows the option to print both the original and 2020 Nutrition data and formats during a transition period.
 4. Added support for an Ext. Format field in label formats. This field refers to another label format that overlays the main label format when more than the maximum 63 fields are required. There are two methods of overlaying a second "external" format on the original format.
 - a. Create the overlay format large enough for the required data - such as a nutrition panel. Then place the Ext. Format field where needed on the main label format. This is the method Rice Lake plans to use in the updated label library files.
 - b. Create the overlay format the same size as the original format. Then place the Ext. Format field at the top left corner of the main label format. That is, set the X Position as 0.0 and the Y Position as the label format height.
- Notes:**
- i. An Ext. Format button has been added to the Unit Type buttons on the left side of the SLP-5 Maintenance Utility label format editing screen. This is only available when using the default setup file provided with SLP-5 2.40b or later. If the previous setup file is selected when updating SLP-5 the Ext. Format field, as well as the 2020 Nutrition fields, will not be supported.
 - ii. The Ext. Format field can be made any size. Only the X and X coordinates are used to align the overlay label format. It is possible to set the X and X coordinates as zero to avoid confusion or unintentionally moving the field. In that case, the Ext. Format field can be edited by double clicking it in the List Units table. The List Units icon is at the top of the Maintenance Utility screen.

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series

Version C2249J

Release Date: 18 January 2019

Use with SLP-5 **2.20f** or later (strongly recommended for compatibility)

Related Programs

Main: C2250J
Scale Driver: B0671 (J0835)
OS: J0829C or later
BIOS: J0825
FPGA App.: J0820C (J0824)
Scale: J0776E or later
Printer App: C1964B or later (J0827)

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



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 **C1921R** 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). [8.6.1921.2]

The following lists the main changes from the previous version (C2249H)

1. Added a feature to switch between UPC and GS1 barcode formats based on the total price. When the total price is 4-digits or less the standard UPC barcode format prints. For a 5-digit or 6-digit total price the GS1 barcode prints.
 - a. Added Print ID BARCODE2 72 (114 in SLP-5)
 - b. If the price exceeds 4-digits, Barcode2 will not print if it is not included in the label format.
 - c. When the total price is 7-digit or more neither barcode is printed.
 - d. BARCODE2 prints a custom barcode but operates separately from the standard Custom Barcode (Print ID 71 [113 in SLP-5])

Edit Print ID

Name	Barcode 2
Short Name	Barcode 2
Code	114
Special Meaning	None
Unit Type	Bar Code

OK Cancel

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series

Version C2249H

Release Date: 11 September 2018

Use with SLP-5 **2.20f** or later (strongly recommended for compatibility)

Related Programs

Main: C2250H
Scale Driver: B0671 (J0835)
OS: J0829C or later
BIOS: J0825
FPGA App.: J0820C (J0824)
Scale: J0776E or later
Printer App: C1964B or later (J0827)

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



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 **C1921R** 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). [8.6.1921.2]

The following lists the main changes from the previous version (C2249G)

1. Added automatic tare rounding when the tare values sent from a host PC end in an odd number and the country is set as Canada. Example: 0.031 Kg rounds up to 0.032 Kg.

Version C2249G

Release Date: 13 May 2018

Use with SLP-5 **2.20f** or later (strongly recommended for compatibility)

Related Programs

Scale Driver: B0671 (J0835)
OS: J0829C or later
BIOS: J0825
FPGA App.: J0820C (J0824)
Scale: J0776E or later
Printer App: C1964B or later (J0827)

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



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 **C1921R** 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). [8.6.1921.2]

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series

The following lists the main changes from the previous version (C2249F)

1. Fixed a bug that could cause the scale to lockup due to noise on the power line caused by other motorized equipment. Delayed or missed communication between the operator and customer display resulted in non-response at the touchscreen.

Version C2249F

Release Date: 23 October 2017

Use with SLP-5 **2.20f** or later (**strongly recommended** for compatibility)

Related Programs

Scale Driver: B0671 (J0835)
OS: J0829C or later
BIOS: J0825
FPGA App.: J0820C (J0824)
Scale: J0776E or later
Printer App: C1964B or later (J0827)

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



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 **C1921R** 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). [8.6.1921.2]

The following lists the main changes from the previous version (C2249E)

1. Fixed a bug where the message "Remove Goods From Platter" was displayed after entering a quantity for a fixed price item and pressing PRINT in Self-Serve mode.
2. Fixed a bug where the Previous Page key always jumped to page 1 – even when on page 3, 4, or higher. This also affected Group and Page in Preset Key programming.
3. Added an option for a Master scale to send a delete command before performing Data Distribution to the Satellite scales (Setup menu → Operation Settings → Input tab → Distribution Input).

- Notes:**
- a. The Distribution Input is selectable: Add (default) / Delete+Add.
 - b. When Delete+Add is selected only these four files are deleted before sending:
 - PLU File
 - Extra Message 1 File
 - Ingredient File (Extra Message 2)
 - Extra Message 3 File
 - c. Any Satellite scale receiving data Distribution **must be updated** to the same firmware version to support this new feature and avoid communication errors.

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series

Version C2249E

Release Date: 3 October 2017

Use with SLP-5 **2.20f** or later ([strongly recommended](#) for compatibility)

Related Programs

Scale Driver: B0671 (J0835)
OS: J0829C or later
BIOS: J0825
FPGA App.: J0820C (J0824)
Scale: J0776E or later
Printer App: C1964B or later (J0827)

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



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 **C1921R** 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). [8.6.1921.2]

The following lists the main changes from the previous version (C2249D)

1. Added a Lower Case function key on the PLU Search screen in Self-Serve mode.
2. Fixed a bug where a temporary Pack Date change made when a PLU was set for Rewrap mode did not revert to the clock's internal date after calling the next item.

Version C2249D

Release Date: 29 August 2017

Use with SLP-5 **2.20f** or later ([strongly recommended](#) for compatibility)

Related Programs

Scale Driver: B0671 (J0835)
OS: J0829C or later
BIOS: J0825
FPGA App.: J0820C (J0824)
Scale: J0776E or later
Printer App: C1964B or later (J0827)

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



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 **C1921R** 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). [8.6.1921.2]

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series

The following lists the main changes from the previous version (C2249C)

1. Fixed a bug that prevented the Return button on the PLU Search screen from returning to the main operation screen in Self-Serve mode.
2. Fixed a bug where the Error Log list was resorted when another tab was selected in the Error Log menu.
3. Fixed a bug where error message "Journal Is Not Connected" was displayed if the PRINT key was pressed from the Error Log screen.
4. Added a Communication Log feature for troubleshooting (Setup Menu → Error Log → Save tab). Communication data between the Uni-9 and PC are recorded.

- Notes:**
- a. The Communication Log is selectable: No / Yes (default).
 - b. When the Communication Log is enabled, it may slow down the scale in operation mode. If the following features are used disable the log:
 - Frequent Shopper markdowns
 - Playing videos
 - File maintenance upload/download is performed during use
 - c. Communication Log files are deleted after 30 days.
 - d. Operation Log Save is change to always save. The save period is extended to 30 days.
 - e. Contact Rice Lake regarding the details to retrieve the Communication Log.

Version C2249C

Release Date: 1 April 2017

Use with SLP-5 **2.20f** or later ([strongly recommended](#) for compatibility)

Related Programs

Scale Driver: B0671 (J0835)
OS: J0829C or later
BIOS: J0825
FPGA App.: J0820C (J0824)
Scale: J0776E or later
Printer App: C1964B or later (J0827)

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



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 **C1921R** 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). [8.6.1921.2]

The following lists the main changes from the previous version (C2249B)

1. Fixed a bug where the "12" hour was printed as "00" when the Pack Time and Sell By Time were set as 12-hour format with AM/PM.

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series

Version C2249B

Release Date: 22 February 2017

Use with SLP-5 **2.20f** or later (strongly recommended for compatibility)

Related Programs

Scale Driver: B0671 (J0835)
OS: J0829C or later
BIOS: J0825
FPGA App.: J0820C (J0824)
Scale: J0776E or later
Printer App: C1964B or later (J0827)

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



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 **C1921R** 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). [8.6.1921.2]

The following lists the main changes from the previous version (C2249A)

Note: The updates to C2249B are the same as C1921W.

1. Fixed a bug that caused the scale to lockup after it was powered on and left setting unused for a while. If the customer display application does stops running correctly error 0122-0001 Display Module Failed to Start is displayed prompting the operator to reboot the scale.
2. Fixed a bug causing a conflict between the Linux OS and scale application regarding DHCP that could cause Master/Satellite or PC communication to fail after the scale was powered on and left setting unused for a while. The scale application now has priority for the DHCP or static IP Address setting.
3. Fixed a bug where the menu screen was called when the border of the price display area was pressed.
4. Fixed a bug that caused the scale to lockup when the upper part of the display was pressed in Self-Serve mode.

Version C2249A

Release Date: 30 January 2017

Use with SLP-5 **2.20f** or later (strongly recommended for compatibility)

Related Programs

Scale Driver: B0671 (J0835)
OS: J0829C or later
BIOS: J0825
FPGA App.: J0820C (J0824)
Scale: J0776E or later
Printer App: C1964B or later (J0827)

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series

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



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 **C1921R** 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). [8.6.1921.2]

The following lists the main changes from the previous version (C2249B)

1. Modified the on-line status check to use a basic Ping. The scale is judged to be on-line when a reply to the Ping is received. Previously the on-line check expected a reply from host software.

- Notes:**
- a. The on-line status is automatically checked based on the Com Check Time Out setting (Setup menu → Machine No. → PC Com tab). The scale must be rebooted for a change in the interval to be recognized.
 - b. A manual ping check at the scale or from a PC will not change the status indicator.
 - c. The status indicator is green when connected and red when not connected.

Version C2249

Release Date: 4 January 2017

Use with SLP-5 **2.20f** or later (**strongly recommended** for compatibility)

Related Programs

Scale Driver: B0671 (J0835)

OS: J0829C or later

BIOS: J0825

FPGA App.: J0820C (J0824)

Scale: J0776E or later

Printer App: C1964B or later (J0827)

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



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 **C1921R** 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). [8.6.1921.2]

The following lists the main changes from the previous version (C1921U).

Note: Refer to the C1921x Release Notes for previous update details.

1. Added a preset key to display the date and time of the last PLU file and/or Ingredient file update received by the scale. Preset key ID is 505: MASTER RECEIVE TIME.

- Notes:**
- a. The date and time status is updated only when the PLU file or Ingredient (Extra Message 2) file is received.
 - b. When no updates have been received the preset key displays "No Receive".

C2540x MAIN FIRMWARE RELEASE NOTES

Ishida Uni-9 Series

- c. The date and time format is the same as the current date and time displayed in the upper right of the main display.
 - d. The date and time indicate the end of the transmission.
 - e. The date and time will be updated even when only partial data is successfully received.
2. Added a setting to display a calendar when making a temporary date change. The calendar is called by pressing Pack Date or Sell By Date preset keys. The new Calendar Input setting is in the Setup menu → Operation Setting → Input tab.

- Notes:**
- a. Default setting is No.
 - b. The Pack Date and Sell By Date are set separately.
 - c. Press the OK button to accept the change or the Return Arrow to quit.
 - d. Use the "<" (previous) and ">" (next) buttons to change the month.
 - e. The calendar range is limited to one year from the current date.
 - f. A future Pack Date cannot be selected.



© Rice Lake Weighing Systems Specifications subject to change without notice.
Rice Lake Weighing Systems is an ISO 9001 registered company.

230 W. Coleman St. • Rice Lake, WI 54868 • USA
U.S. 800-472-6703 • Canada/Mexico 800-321-6703 • International 715-234-9171 • Europe +31 (0)26 472 1319

www.ricelake.com/retail

www.ricelake.mx

www.ricelake.eu

www.ricelake.co.in