

B0664x MAIN FIRMWARE RELEASE NOTES

Uni-5 Series

Firmware **B0664x** does not support 2020 Nutrition.

Procedure to install new Uni-5 firmware

Refer to the *Uni-7 & Uni-5 Setup Manual* for complete information.

1. Copy the Uni-5 scale firmware folder "Soft" onto an empty USB memory stick.
 - The folder and files must not be zipped.
 - The "Soft" folder must be the only data on the USB memory stick.
2. With the Uni-5 powered OFF raise the left side access panel.
3. Insert the Memory Stick in to the USB port.
DO NOT REMOVE the USB Memory Stick during the firmware update procedure.
4. Power up the Uni-5, press **ENTER** at the Date/Time confirm screen.
Note: Power up may take several minutes depending on the firmware version.
5. The upper display bar will be red indicating boot up from a USB Memory Stick.
Note: The scale will also be in "European" mode.
6. A warning message "Data Composition Is Different. Please Initialize the Memory" (0114-0000) may be displayed if the current and new firmware versions differ greatly. If this message appears press **OK** and skip to step 8.
7. Press the **MODE** key to enter the Main menu.
8. Enter **495344** and press the **PLU** key to access hidden menu steps.
9. Press the **ADJUST** menu button.
10. Scroll down and select **DOWNLOAD** (page 2/3).
11. At the DOWNLOAD (MAIN) screen press the **MAIN (ALL CLR)** button and press **EXECUTE**.
12. Press **EXEC** to begin clearing the Uni-5 Flash ROM memory.
13. After the flash ROM is cleared, the Uni-5 will return to the DOWNLOAD (MAIN) screen.
14. Press the **USB>MAIN (PRG+IMG)** button.
15. Press the firmware version to be installed. It will be highlighted.
16. Press **EXECUTE**.
17. Screen 15034-0000 "DATABASE VERSION IS DIFFERENT" may be displayed. Press **EXEC** to continue.
18. Press **EXEC** to begin the firmware download.
19. The screen will show the firmware download progress.
Note: The download may take a few minutes to begin and up to 15 minutes to complete. Data transfer may be confirmed by the flashing light on the USB memory stick.
20. When message 15029-0000 is displayed the firmware download is complete -- power the scale off.
21. Remove the USB Memory Stick.

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Version B0664U

Released: June 24, 2022

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

Use with SLP-V **3.05g** or later ([strongly recommended](#) for compatibility)

Related programs

MAIN: B0665S
OS: B0667D
BOOT: B0666 or later
PRINTER 1 FPGA: B0668 or later

[Firmware Database Structure Version: 2.17.0.0]

* Due to feature changes, a **memory clear is required** when upgrading to B0664U.

The following lists the main changes from the previous version (B0664T)

1. Added support for the Silex SX-590 wireless card in addition to the Lantronix WiPort.
 - a. A setting was added to the WiFi setting screen (Setup menu > Machine No.) to select between "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 SX-590 supports both the 2.4 GHZ and 5 GHZ frequency band, unlike the WiPort that supports only 2.4 GHZ.

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- d. The SX-590 supports 802.11a/b/g/n/ac (1x1) compared to the WiPort that only works with 802.11 b/g.
- e. For identification purposes, scales with the Silex SX-590 installed from the factory use a white antenna.

Version B0664T

Released: September 21, 2021

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

Use with SLP-V **3.05g** or later ([strongly recommended](#) for compatibility)

[Firmware Database Structure Version: 2.17.0.0]

* Due to feature changes, a **memory clear is required** when upgrading to B0664T.

The following lists the main changes from the previous version (B0664S)

1. Set the maximum tare. An error occurs when a tare over the maximum value is entered.
 - a. For 30 lb single-range, 9.99 lb.
 - b. For 30 lb multi-range, 9.990 lb.
 - c. Maximum tare value is set in the Country settings: Setup menu > Country > 495344, PLU > Detail > Weight tab > 14789632, PLU

Version B0664S

Released: June 18, 2018

Use with SLP-V **3.05g** or later ([strongly recommended](#) for compatibility)

Use with SLP-5 **2.10n** or later ([strongly recommended](#) for compatibility)

[Firmware Database Structure Version: 2.17.0.0]

* Due to feature changes, a **memory clear is required** when upgrading to B0664S.

The following lists the main changes from the previous version (B0664P)

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

Version B0664P

Released: August 10, 2016

Use with SLP-V **3.05g** or later ([strongly recommended](#) for compatibility)

Use with SLP-5 **2.10n** or later ([strongly recommended](#) for compatibility)

[Firmware Database Structure Version: 2.17.0.0]

*Firmware structure is compatible with the previous version. Memory clear is not necessary.

The following lists the main changes from the previous version (B0664M)

1. Fixed a bug where the markdown price rounding was incorrect when the scale was set for single-range weighing.

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Version B0664M

Released: April 8, 2016

Use with SLP-V **3.05g** or later ([strongly recommended](#) for compatibility)

Use with SLP-5 **2.04** or later ([strongly recommended](#) for compatibility)

[Firmware Database Structure Version: 2.17.0.0]

*Firmware structure is compatible with the previous version. Memory clear is not necessary.

The following lists the main changes from the previous version (B0664L)

1. Modified the display brightness setting values (Adjust menu > Display Check). This is in preparation for an update of the CPU board: PK-270C to PK-270D.
 - a. Changed the default value from 50 to 25. Values above 25 do not increase the brightness.
 - b. Changed the input range from 0–63 to 15–63.

Version B0664L

Released: May 13, 2015

Use with SLP-V **3.05g** or later ([strongly recommended](#) for compatibility)

Use with SLP-5 **2.04** or later ([strongly recommended](#) for compatibility)

[Firmware Database Structure Version: 2.17.0.0]

*Firmware structure is compatible with the previous version. Memory clear is not necessary.

The following lists the main changes from the previous version (B0664K)

1. Fixed a bug where the internal clock was not read correctly. The data for "Seconds", "Minutes", "Hours", "Day of the week", "Day", "Month", and "Year" are now received in one string rather than individually.

Version B0664K

Released: September 18, 2014

Use with SLP-V **3.05g** or later ([strongly recommended](#) for compatibility)

Use with SLP-5 **2.04** or later ([strongly recommended](#) for compatibility)

[Firmware Database Structure Version: 2.17.0.0]

*Firmware structure is compatible with the previous version. Memory clear is not necessary.

The following lists the main changes from the previous version (B0664J)

1. Modified the byte-order format of the Uni-5 (previously little endian) to match that of Uni-7 and SLP (big endian).

CAUTION: Previous .ABK backups made using SLP-V i-Support and SLP-5 Maintenance Utility from scales with firmware B0664J and earlier are not compatible with B0664K and later firmware.

USB file backups are not affected and remain compatible.

2. Fixed a bug where a Symbol USB scanner (LS2208) connected before the scale was powered on was not recognized.

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Version B0664J

Released: May 13, 2013

Use with SLP-V **3.05g** or later ([strongly recommended](#) for compatibility)

Use with SLP-5 **2.04** or later ([strongly recommended](#) for compatibility)

[Firmware Database Structure Version: 2.17.0.0]

*Firmware structure is compatible with the previous version. Memory clear is not necessary.

The following lists the main changes from the previous version (B0664H)

1. Added a setting to ignore non-existent text messages linked to PLUs: "Link Error Display" [Setup menu > Error Process > Call tab]. The default is "Display Error". This single setting applies to Extra Messages 1, 2, 3, Coupon Message, POP Message, and all Free Messages.

Version B0664H

Released: April 12, 2013

Use with SLP-V **3.05g** or later ([strongly recommended](#) for compatibility)

Use with SLP-5 **2.04** or later ([strongly recommended](#) for compatibility)

[Firmware Database Structure Version: 2.17.0.0]

*Firmware structure is compatible with the previous version. Memory clear is not necessary.

The following lists the main changes from the previous version (B0664F)

1. Added a new Label Print ID: "DF PRICE" (Savings Amount) which prints the price difference between Pre-Markdown price and Markdown price.
2. Updated all relevant firmware specifications to match Uni-7 firmware version B0674M.
3. Added three function keys: *Extra1 Edit* (#145), *Extra2 Edit* (#146), and *Extra3 Edit* (#147) to allow these Extra Messages to be edited from the operation mode. When the key is pressed the same message list is displayed as in Program menu. Select a message and press DETAIL or enter the message number and press PLU to edit the message.

Note: These function keys are for editing only. The edited message is not selected to print with the PLU. Use the standard *Extra1* (#16), *Extra2* (#17), and *Extra3* (#18) function keys to select the message.

4. Added two new GS1 Expanded formats (Setup menu, Barcode, POS Code tab). The two new formats 3 & 4 contain the same data fields as the first two formats respectively but the fields are rearranged to place the Total Price last. This eliminates the need for a separator character.

3: (01)(3903)(3922)

4: (01)(3903)(15)(3922)

5. Added a PLU File Management system to control if PLU data are overwritten during communication. The system utilizes two .CSV files located in the firmware file folder Soft, FormData:

- ItemSLP.csv -- Item Master section
- TankSLP.csv -- Unit Price Master section

The .CSV files must be edited to specify if individual PLU fields are overwritten or not. By default, all fields receive and send data. Each PLU field has six parameters as described

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below. Only the last four columns should be edited. See sample .CSV files following the **Important Notes** below.

- RecNo – PLU field number in the list (do not change)
- Name – PLU field description (do not change)
- SlpRecv – 1: receive data from PC (default), 0: ignore data from PC
- SlpSend* – 1: send data to PC (default), 0: do not send data to PC
- CsicRecv – 1: receive data from Master (default), 0: ignore data from Master
- CsisSend* – 1: send data to Master (default), 0: do not send data to Master

* When "0" is set no value will be sent to the PC or Master scale. The comma-delimited transmission will look like the following: 123,234,,AAA,5678 where ,, indicates a skipped data field.

IMPORTANT NOTES:

- ❖ The "ItemSLP.csv" and "TankSLP.csv" files must be sent as part of a full firmware download by USB memory stick. The .CSV files cannot be sent separately.
- ❖ If the PLU file is deleted from the scale and reloaded by SLP-V or third-party scale management software any blocked fields (SlpRecv = 0) will not be restored. The data can only be reprogrammed at the scale or reloading from a USB backup file. To allow download from the PC the .CSV file must be edited to receive the data and the firmware reloaded.

<ItemSlp.csv>

RecNo	Name	SlpRecv	SlpSend	CsicRecv	CsisSend
1	PLU No.	1	1	1	1
2	Item Code	1	1	1	1
3	Pack Date Flag	1	1	1	1
4	Pack Time Flag	1	1	1	1
...	...	...	...	...	...
69	Commodity Name	1	1	1	1

<TankSlp.csv>

RecNo	Name	SlpRecv	SlpSend	CsicRecv	CsisSend
1	Sales Mode	1	1	1	1
2	Unit Price	1	1	1	1
3	Fixed Price	1	1	1	1
4	Markdown Flag	1	1	1	1
5	Markdown Amount	1	1	1	1
...	...	...	...	...	...
48	UprGrp(5)	1	1	1	1

Changes made to fields named "Reserved" are ignored.

Version B0664F

Released: February 1, 2012

Use with SLP-V **3.05g** or later ([strongly recommended](#) for compatibility)

Use with SLP-5 **2.04** or later ([strongly recommended](#) for compatibility)

[Firmware Database Structure Version: 2.17.0.0]

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*Firmware structure is compatible with the previous version. Memory clear is not necessary.

The following lists the main changes from the previous version (B0664E)

1. Modified the LABEL END error message to be more appropriate for the Uni-5 side load labels.

Version B0664E

Released: June 23, 2011

Use with SLP-V **3.05g** or later (strongly recommended for compatibility)
[Firmware Database Structure Version: 2.17.0.0]

The following lists the main changes from the previous version.

1. B0664E is the initial release of Uni-5 firmware.
2. Uni-5 operation is based on the Uni-7.