

C2156x MAIN FIRMWARE RELEASE NOTES

Uni-7 Series 60 Lb Capacity for PK-260B CPU Board

Procedure to install new Uni-7 firmware. Refer to the *Uni-7 Setup Manual* for complete information.

1. Copy the Uni-7 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-7 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-7, 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-7 Flash ROM memory.
13. After the flash ROM is cleared, the Uni-7 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 20 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.

Procedure to convert to 2020 Nutrition data format. See [C2156C item 1h](#) for detailed step by step instructions.

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PK-260B CPU Board

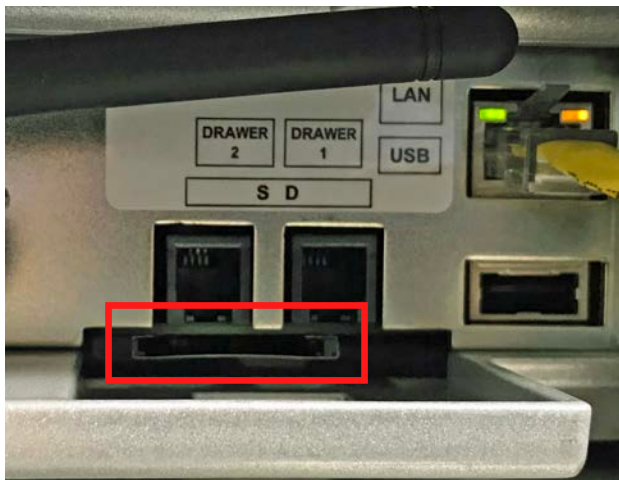
Firmware C2156x is designed for the revised CPU board PK-260B. **This firmware is not compatible with the previous CPU board PK-260A.** And previous 60 lb firmware (C1969x) is not compatible with the new PK-260B CPU board.

The two CPU board versions can be easily identified by the expansion memory card slot located on the left side of the Uni-7. See the images below.

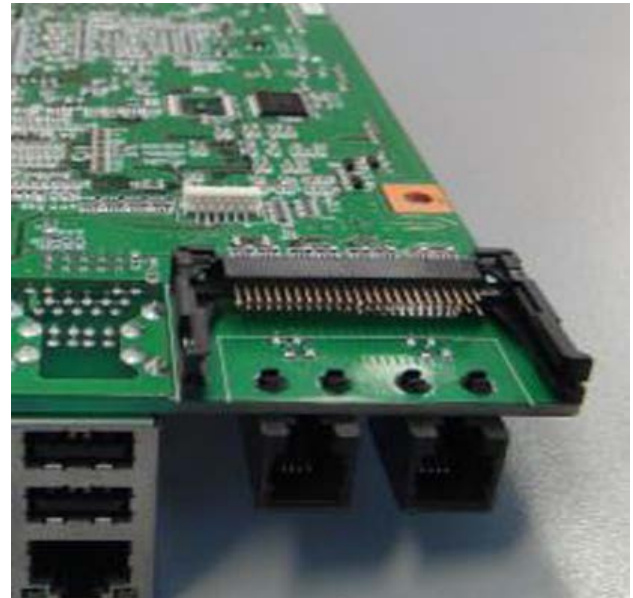
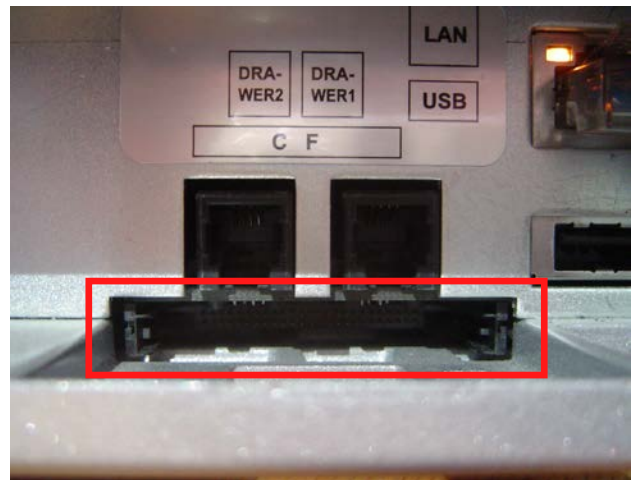
SD Memory Cards

The new PK-260B CPU board supports SD memory card sizes 512MB, 1GB, and 2GB (p/n 174110). The maximum SD card memory that can be recognized is 2GB. A larger capacity SD card may be used but only 2GB will be available.

C2156x PK-260B with SD Memory Card Slot



C1969x PK-260A with CF Memory Card Slot



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Uni-7 Series 60 Lb Capacity for PK-260B CPU Board

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Version C2156D features & changes [11 November 2019]

Use with SLP-5 **2.40t** or later

Use with SLP-V **3.05g** or later (2020 Nutrition is not supported)

Related programs

Main: C2157C
OS: B0762C
BOOT ROM: B0763B or later
PRINTER1 FPGA: B0778

[Firmware Database Structure Version: 2.17.2080.1]



Caution

Memory initialization may be required when upgrading to this firmware version. Create a USB backup or use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **C2156B** 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).

The following lists the main changes from the previous version (C2156C)

1. Fixed a bug where nutrition text entered at the scale may not be saved properly. Text entered that was one character less than the maximum could have random characters appended at the end.

Version C2156C features & changes [25 October 2019]

Use with SLP-5 **2.40t** or later

Use with SLP-V **3.05g** or later (2020 Nutrition is not supported)

Related programs

Main: C2157B
OS: B0762C
BOOT ROM: B0763B or later
PRINTER1 FPGA: B0778

[Firmware Database Structure Version: 2.17.2080.1]



Caution

Memory initialization is required when upgrading to this firmware version. Create a USB backup or use SLP-5 Maintenance Utility and SLP-5 to backup the scale before upgrading from firmware **C2156B** 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).

C2156x MAIN FIRMWARE RELEASE NOTES

Uni-7 Series 60 Lb Capacity for PK-260B CPU Board

The following lists the main changes from the previous version (C2156B)

1. Added support to print the new 2020 Nutrition data.
 - a. Nutrition editing screens (Program menu > Nutrition) are changed to two parts listing the new standard nutrition data fields plus a "free" table that can be used for miscellaneous additional values.
 - Form tab – for standard data fields
 - 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 new 2020 text format. The appropriate unit is automatically added: g, mg, %, etc.
 - d. The following nutrition data from the old format that are no longer required in the new 2020 Nutrition format are saved as follows.
 - Calories From Fat → Nutr.Free1
 - Protein (%) → Nutr.Free2 (%)
 - Sugars (%) → Nutr.Free3 (%)
 - Vitamin A (%) → Nutr.Free4 (%)
 - Vitamin C (%) → Nutr.Free5 (%)
 - Sugar Alcohol → Nutr.Free1 (%)
 - e. After installing C2156C, 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 C2156C 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 scale after a firmware update to C2156C. 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 C2156C 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 2C1 to 2C8 and 2E4 to 2ED (705 to 712 and 740 to 749 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.

C2156x MAIN FIRMWARE RELEASE NOTES

Uni-7 Series 60 Lb Capacity for PK-260B CPU Board

Version C2156B features & changes [11 October 2017]

Use with SLP-5 **2.10n** or later

Use with SLP-V **3.05g** or later

Related programs

Main: C2157A
OS: B0762C
BOOT ROM: B0763B or later
PRINTER1 FPGA: B0778

[Firmware Database Structure Version: 2.17.2080.0]



Caution

Memory initialization may be required when upgrading to this firmware version.

Use SLP-5 / Maintenance Utility or SLP-V / i-Support to backup the scale before upgrading from firmware other than **C2156A** or an earlier version. Due to changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear** & **System Data Init.** (Adjust menu, Memory Clear)

The following lists the main changes from the previous version (C2156A)

1. Fixed a bug where the price rounding calculation was incorrect for Unit Price -\$ and Unit Price -% markdown amounts when the scale was set for single-range.
2. Added a new Time Unit to correctly print the "12" hour that was printed as "00" when the Pack Time and Sell By Time were set as 12-hour format with AM/PM.

If necessary, add the new Time Unit to SLP-V and SLP-5 as follows.

- a. Open the SLP Setup Utility.
 - b. Select Label Format.
 - c. Select WM-NANO.
 - d. Select Unit Properties Setup.
 - e. Select Time Symbol.
 - f. Select New.
 - g. Enter:
Name: AM/PM (12)
Value: 130
 - h. Click OK, OK, Exit, Save and Exit.
 - i. Close the Setup Utility.
3. Fixed a bug that caused very slow Master-Satellite communication when the IP Address range was set as 192.168.0.xxx.

Version C2156A features & changes [25 May 2016]

Use with SLP-5 **2.10n** or later

Use with SLP-V **3.05g** or later

Related programs

Main: C2157
OS: B0762C
BOOT ROM: B0763B or later
PRINTER1 FPGA: B0778

[Firmware Database Structure Version: 2.17.2080.0]

C2156x MAIN FIRMWARE RELEASE NOTES

Uni-7 Series 60 Lb Capacity for PK-260B CPU Board



Caution

Memory initialization **may be required** when upgrading to this firmware version.

Use SLP-5 / Maintenance Utility or SLP-V / i-Support to backup the scale before upgrading from firmware other than **C2156**. Due to changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear & System Data Init.** (Adjust menu, Memory Clear)

The following lists the main changes from the previous version (C2156)

1. Changed the range for brightness of the LCD display to 15 - 63 (Adjust menu > Display Check). The maximum value is 63 but the display brightness will not exceed 25.

Version C2156 features & changes [17 December 2015]

Use with SLP-5 **2.10i** or later

Use with SLP-V **3.05r** or later

Related programs

Main: C2157
OS: B0762B
BOOT ROM: B0763A or later
PRINTER1 FPGA: B0778

[Firmware Database Structure Version: 2.17.2080.0]



Caution

Memory initialization **is required** when upgrading to this firmware version.

Use SLP-5 / Maintenance Utility or SLP-V / i-Support to backup the scale before upgrading the firmware. Due to changes in the memory structure, after firmware installation a standard memory clear will be necessary: **Master Data Clear & System Data Init.** (Adjust menu, Memory Clear)

The following lists the main changes from the previous version (B0674R)

1. This firmware is modified to operate with the new PK-260B CPU board.
2. Added 60 Lb capacity.
 - a. **CAUTION:** Do not select 60 Lb capacity unless the scale is equipped with a high capacity load cell.
 - b. Select capacity on the Calibration screen (Adjust menu).
 - i. Enter 495344, PLU
 - ii. Use the "<" and ">" buttons on the Capacity field to select.
 - c. Single- and multi-range are available but **only single-range is certified by Weights & Measures**. The Uni-7 must be recalibrated when changing to single-range or multi-range.
 - d. 60 Lb single-range
 - i. Capacity: 60.00 Lb
 - ii. Weight resolution: 0.02 Lb
 - iii. Accuracy: 1/3000
 - iv. Minimum Print Weight: 0.06 Lb (3e) [Setup menu > Country > Detail > Weight tab]
 - e. 60 Lb multi-range [**Not certified by Weights & Measures**]
 - i. Capacity: 60.00 Lb
 - ii. Weight resolution: 0.00~29.99 x 0.01 Lb / 30.00~60.00 x 0.02 Lb
 - iii. Accuracy: 1/3000
 - iv. Minimum Print Weight: 0.03 Lb (3e) [Setup menu > Country > Detail > Weight tab]