

Procedure to install new WM-Micro firmware

Refer to the appropriate *Service Manual* for additional information.

1. Copy the 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 machine. On the wrapper press the yellow **RETURN** button at the 0322 Go Back to Original Position screen to return all mechanical components to their home position.
3. Press the green **ENTER** button at the Date/Time confirm screen.
4. Remove the access panel located at the top rear of the printer assembly.
5. Insert the USB memory stick into any of the four USB ports.
 - No other USB devices should be connected.
6. Press the **RETURN ARROW** key (upper right) to enter the Main menu.
7. Enter the **Service Password** and press the **PLU** key to access hidden menu steps.
8. Press the **ADJUST** menu button.
9. Select **DOWNLOAD**.
10. Select the firmware version to be installed. It will be highlighted in yellow.
11. Press **EXEC** to confirm the selection.

Note: If message *15036-0000 Database Version Is Different* is displayed a memory clear will be required after installing the firmware. Press **STOP** and make a USB backup (Setup menu > File Save/Load) if necessary, otherwise press **EXEC** to continue.
12. Press **EXEC** to begin the firmware download.
13. The screen will show the firmware download progress. The download will take several minutes to complete.
14. When Re-Boot Check message 15029 is displayed, the firmware download is complete.
15. The wrapper will automatically reboot.
16. On the wrapper press the yellow **RETURN** button at the 0322 Go Back to Original Position screen to return all mechanical components to their home position.
17. Press the green **ENTER** button at the Date/Time confirm screen.
18. If prompted enter the Adjust menu and perform a Master Data memory clear. Then enter the Setup menu and load the backup from step 11.
19. Press the **RETURN ARROW** key (upper right) to enter the Main menu.
20. Enter the **Service Password** and press the **PLU** key to access hidden menu steps.
21. Press the **ADJUST** menu button, then select **DOWNLOAD**.
22. Press the **SUB APP** tab.
23. Select 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 may take several minutes to complete.
26. When Re-Boot Check message 15029 is displayed, the firmware download is complete.

Note: The Pack Machine sub-app does not display message 15029 when complete.
27. If the wrapper does not automatically reboot then power off the wrapper. Wait 30 seconds and switch on the power.
28. On the wrapper press the yellow **RETURN** button at the 0322 Go Back to Original Position screen to return all mechanical components to their home position.
29. Press the green **ENTER** button at the Date/Time confirm screen.
30. Repeat steps 19 ~ 28 to load any remaining Sub App and Sub Boot programs as needed.
31. Remove the USB memory stick.

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WM-Micro Compact Wrapper

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Version C2591

Release Date: January 2025

Use with SLP-5 **2.64** or later (strongly recommended for compatibility)

Related Programs

Main:	C2591
Scale Driver:	J0834 (J0835)
OS:	J1180
BOOT:	J1072C
FPGA App.:	J1058C
Keyboard:	J0823B
Scale:	J0776L or later
Wrap App.:	J1183B (J1106C)
Printer App:	B0821

NOTES:

1. After downloading the Main App program download the Printer (EC), Wrapper (Pack Machine), and FPGA sub-app and sub-boot programs one at a time as needed. If the wrapper does not automatically reboot then power down the wrapper after each sub app download. Wait 30 seconds and switch on the power.



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 wrapper before upgrading from firmware **C0813C** 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). **[8.5.813.0]**

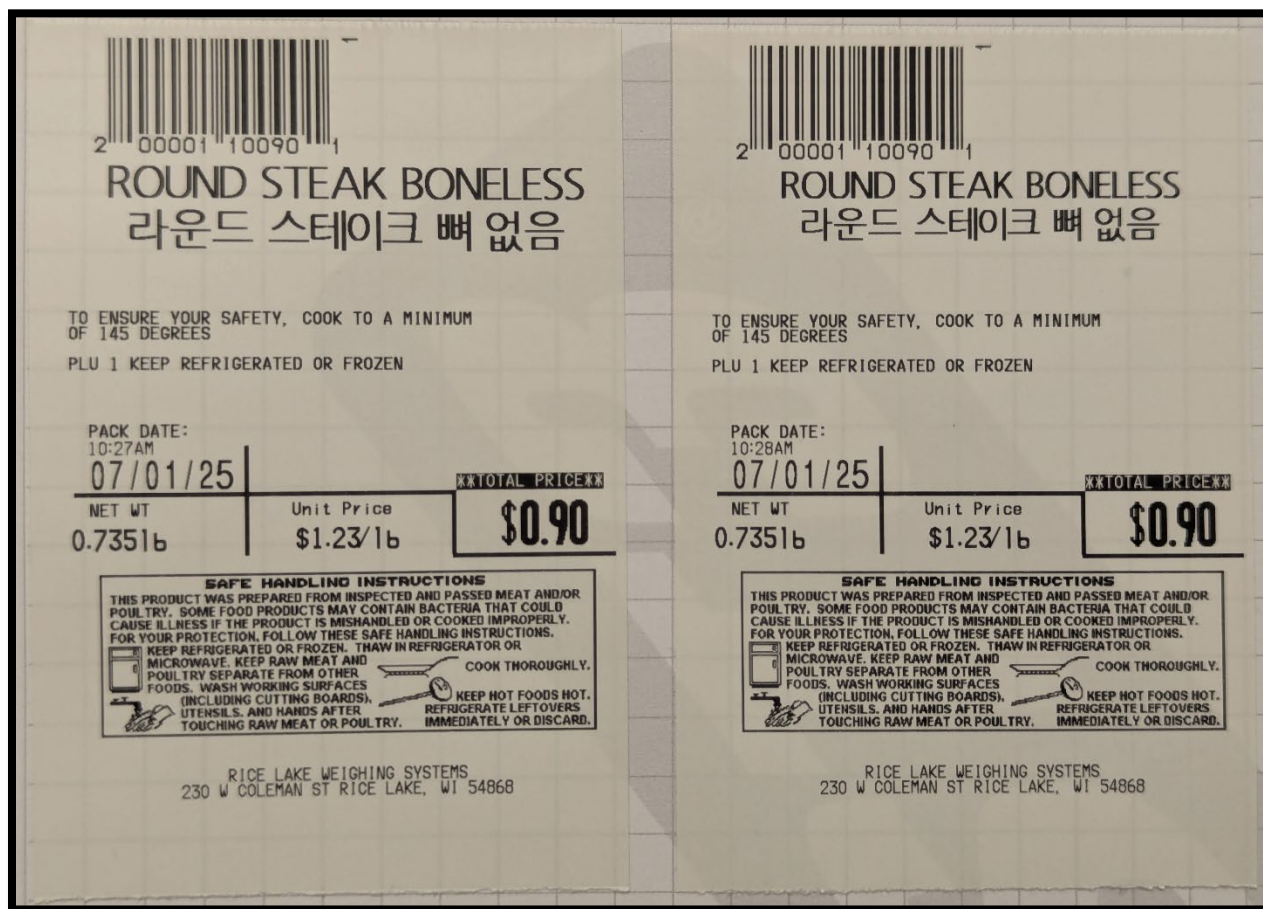
The following lists the main changes from the previous version (B0813G)

1. Added support to display and print Korean, and traditional Chinese characters.
Note: Korean, and Chinese characters cannot be entered at the WM-Micro. They must be entered using SLP-5 configured to support Korean, and Chinese and sent to the WM-Micro.
2. Added the following external true type fonts for label printing. The fonts can be added in SLP-5 at the following location: Setup Utility > Label Format > WM-Micro > Unit Properties Setup > Font Family.
 - 48: NANUMGOTHIC FULL <TTF> (At the WM-Micro: 030)
 - 160: NANUMGOTHIC HALF <TTF> (At the WM-Micro: 0A0)
 - 32: BIG5 <TTF> (At the WM-Micro: 020)
 - 33: BIG5 BOLD <TTF> (At the WM-Micro: 021)
 - 144: BIG5 HALF <TTF> (At the WM-Micro: 090)

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- 145: BIG5 BOLD HALF <TTF> (At the WM-Micro: 091)
- To print the Korean, or Chinese fonts in the PLU description, use the following label format fields. See sample labels below.
 - Font Size: Ext. Font
 - Font Height: Set as needed. Typical values are 24~38.
 - Font Family: Select from the list in step 2.
 - Korean characters are displayed in operation mode as 48: NANUMGOTHIC FULL <TTF> font.



Ext. Font, NANUMGOTHIC FULL
Font Height = 38 (SLP-5), 26 [Hex] (Micro)

Ext. Font, NANUMGOTHIC FULL
Font Height = 32 (SLP-5), 20 [Hex] (Micro)

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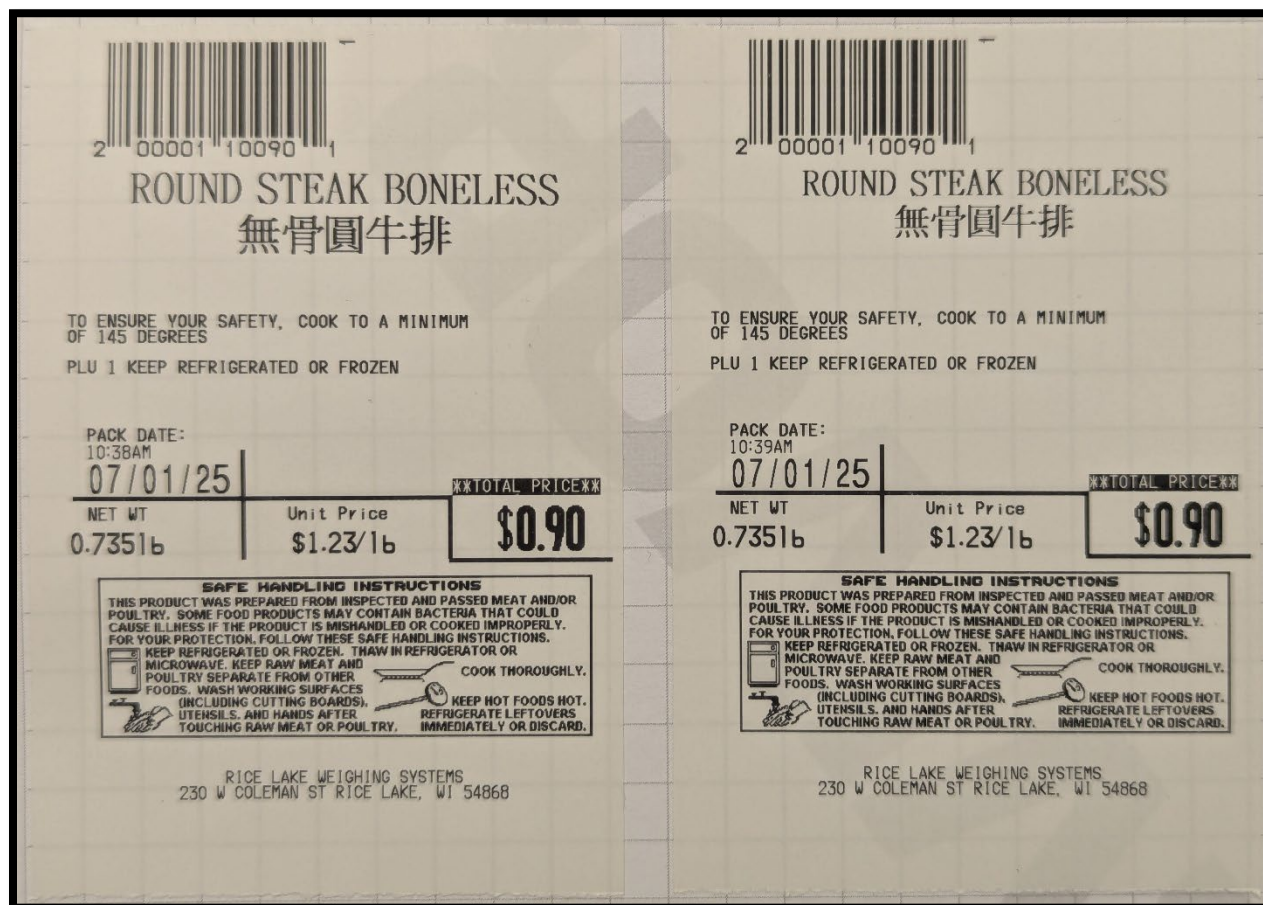
PREPACK / PLU 1		JUL.01.2025 (TUE) 10:30AM	
ROUND STEAK BONELESS 라운드 스테이크 뼈 없음			
TARE lb	NET WT lb	UNIT PRICE \$/lb	TOTAL PRICE \$
0.015	0.740	1.23	0.91
QUICK KEYS	PRESETS	OPERATION VIDEO	REWRAP TODAY
PACK DATE	SELL BY DATE	TRAINING VIDEOS	FILM FEED
JUL.01.2025			PLU SEARCH
	1		1
PRICE	\$ 1.23	TRAY	WRAP MODE
SYMB.		4:4D	W/L
TRAY	0004	TEMP	PACK COUNT
		MANAGER MODE	0
		FEED LABEL	HEATER OFF
CHANGE LABELS	CLEANING	CALC.	LAST DOWNLOAD
		TRAY	JUL.01.2025 (TUE) 10:18AM
		VOLUME NONE	RETURN
Capacity 0-15 lb x 0.005 lb 15-30 lb x 0.01 lb			

WM-Micro Screen with Korean Characters

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WM-Micro Compact Wrapper

- Chinese characters are displayed in operation mode as 32: BIG5 <TTF> font.



Ext. Font, BIG5
Font Height = 38 (SLP-5), 26 [Hex] (Micro)

Ext. Font, BIG5
Font Height = 32 (SLP-5), 20 [Hex] (Micro)

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WM-Micro Compact Wrapper

PREPACK / PLU 1 JUL.01.2025 (TUE) 10:40AM

ROUND STEAK BONELESS
無骨圓牛排

TARE	lb	NET WT	lb	UNIT PRICE	\$/lb	TOTAL PRICE	\$
0.025		0.735		1.23		0.90	

QUICK KEYS PRESETS OPERATION VIDEO REWRAP TODAY FILM FEED

PACK DATE JUL.01.2025 SELL BY DATE TRAINING VIDEOS PLU SEARCH 1

PRICE \$ 1.23 SYMB. TRAY 4:4D TEMP MANAGER MODE FEED LABEL PACK COUNT 1 WRAP MODE LABEL

TRAY 0004 CALC. RUN TOTAL HEATER OFF LAST DOWNLOAD JUL.01.2025 (TUE) 10:37AM

CHANGE LABELS CLEANING TRAY VOLUME NONE RETURN

Capacity 0-15 lb x 0.005 lb 15-30 lb x 0.01 lb

WM-Micro Screen with Chinese Characters

6. Added support for displaying multiple product names in different language fonts. Please note the following limitations and guidelines:

Note: This is only required when both Chinese and Korean must be printed for the product name. In all other cases, English may be combined with one additional language in the same product description field.

- Korean, and Traditional Chinese characters cannot be printed together on the same line.
- When using multiple languages (e.g., English, Korean, and Traditional Chinese) for product names, each language must be entered on a separate line in SLP-5.
- The label format must include multiple product description fields using the "TXT CONTINUOUS: REFERENCE" unit type - one for each language.
- Product name fields must be created in the desired display order.

Example: If the order should be English, Chinese, then Korean, the fields must be added in that exact sequence. This order must also match when entering the product name on SLP-5.

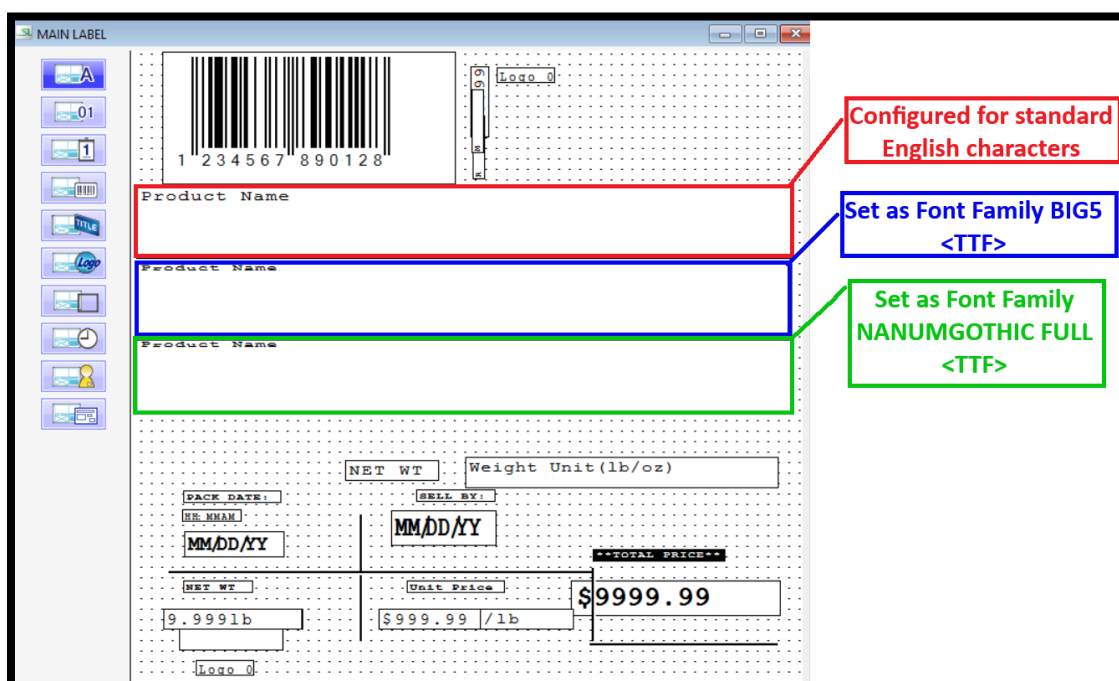
- Multiple product names and label format example below.

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English, Ext. Font, BIG5, and Ext. Font, NANUMGOTHIC FULL



Product name fields using the "TXT CONTINUOUS: REFERENCE" unit type—one for each language.

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