

Loading ScaleLink Pro 5 Uni-3 QR Code Config File

Overview

QR Code printing has been added to the Uni-3 from firmware C2271N. Three data formats are supported: Free, Extra Message 3, and Detail.

- FREE QR** Print the contents of Extra Message 3, message number 99999999. This acts like a "fixed" QR code to link to a store's web site, etc.
- EXTRA MESSAGE 3 QR** Prints the contents of the Extra Message 3 linked to a PLU. This can be used to link to a web site with additional information such as a recipe, cooking instructions, ingredients, or nutrition data.
- DETAIL BAR (QR)** Prints information from the transaction including PLU number, total price, weight, and sell by date. This could be used in various ways such as determining if the sell by date has expired. The following information is included in the QR Code.
1. UPC Flag Code: 2 digits
 2. Operator*: 3 digits
 3. Total Amount**: 8 digits
 4. PLU Number: 6 digits
 5. Weight or Pieces: Weight (8 digits), Pieces (5 digits) + 000
 6. Total Price**: 7 digits
 7. Sell By Date: 8 digits DDMMYYYY
- Total Digits: 42
- * If there is no operator the value 000 is used.
- ** 3. Total Amount and 6. Total Price are the same for individual labels.

Unfortunately, as of version 2.50j, ScaleLink Pro 5 does not include the settings to support the QR Code in the label format. The following instructions cover loading the **SLP-5_Uni-3_QR_Code_Label_Format_Settings_3June2022.sit** label configuration file in to the Setup Utility.

The .sit configuration file is compatible with SLP-5 2.50a or later.

Loading the Configuration File in to ScaleLink Pro 5 to Support QR Code Printing



Selecting the wrong scale model or loading the wrong file will corrupt the SLP-5 setup. Use caution when modifying the label format configuration.

1. Open the **Setup Utility** program.
2. In the **Configuration** menu, select **General Settings**.
3. Select the **Supported Functions** tab.
4. Under General Operations, enable **Advanced Configuration Settings**.
5. Click **OK**.
6. Close and reopen the **Setup Utility** program.
7. Select **Label Format**.
8. Double click **Uni-3/Uni-5/Uni-7/WM-NANO** to open.
9. Click the **Load From File** button (second button under File Maintenance).

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Edit Label Format Configuration setup

General Settings

Unit Packet Size	32
Units per Label	63
Min. Label No.	1
Max. Label No.	999
Max. Label Width	560
Max. Label Height	2000
Default Title Font Code (Hex)	3
Default Label Width	560
Default Label Height	590
Max. Logo Memory Area*	1024000
Max. Title No.	200

* Not applicable for EMZ,FDP,WPL and some AC-4000 models

☐ 12 dot/mm printer?

☐ Include Name Unit in Label?

Scale Model: UNI-3/UNI-5/UNI-7/WM-NANO

Label Format Data

File Maintenance

Save, Load, Print, Load

10. Navigate to the **SLP-5_Uni-3_QR_Code_Label_Format_Settings_3June2022.sit** file.
11. Select the file and click **Open**.
12. Click **OK** at the confirmation message.
13. Click the **Save** button at the bottom of the screen.
14. Close the **Label Format Setup** screen.
15. Close the **Setup Utility**.

Adding a QR Code to a Uni-3 Label Format

1. Open the **Maintenance Utility**, open the **Configuration Library**.
2. Click the "+" at the **Uni-3/Uni-5/Uni-7/WM-NANO** line to open the label list.
3. Open a label format and select the **Barcode** button on the left side of the screen
4. Drag a box at the approximate location of the QR Code.
5. Select one of the three QR Codes and then select **QR Code**.
6. Enter the parameters referring to the following screens.

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- FREE (QR)

The dialog box is titled "Edit Label Unit Properties". It contains the following fields and options:

Unit Type	QR Code
Print ID	Free QR
Seq. No. in Label:	31

Display in Sub-Label:

<input checked="" type="checkbox"/> Sub-Label 1	<input type="checkbox"/> Sub-Label 5
<input checked="" type="checkbox"/> Sub-Label 2	<input type="checkbox"/> Sub-Label 6
<input checked="" type="checkbox"/> Sub-Label 3	<input type="checkbox"/> Sub-Label 7
<input checked="" type="checkbox"/> Sub-Label 4	<input type="checkbox"/> Sub-Label 8

Properties:

X Position	33.9	QR Correction %	7%
Y Position	54.6	Left Margin	20
QR Print Type	Reference (Data Priority)	QR Code Size (mm)	18.0
Bar Magnification	x4	QR Print Correction	Inactive
QR Code Model	Model 2		

Buttons: OK, X

- EXTRA MSG3 (QR)

The dialog box is titled "Edit Label Unit Properties". It contains the following fields and options:

Unit Type	QR Code
Print ID	Extra Msg3 QR
Seq. No. in Label:	31

Display in Sub-Label:

<input checked="" type="checkbox"/> Sub-Label 1	<input type="checkbox"/> Sub-Label 5
<input checked="" type="checkbox"/> Sub-Label 2	<input type="checkbox"/> Sub-Label 6
<input checked="" type="checkbox"/> Sub-Label 3	<input type="checkbox"/> Sub-Label 7
<input checked="" type="checkbox"/> Sub-Label 4	<input type="checkbox"/> Sub-Label 8

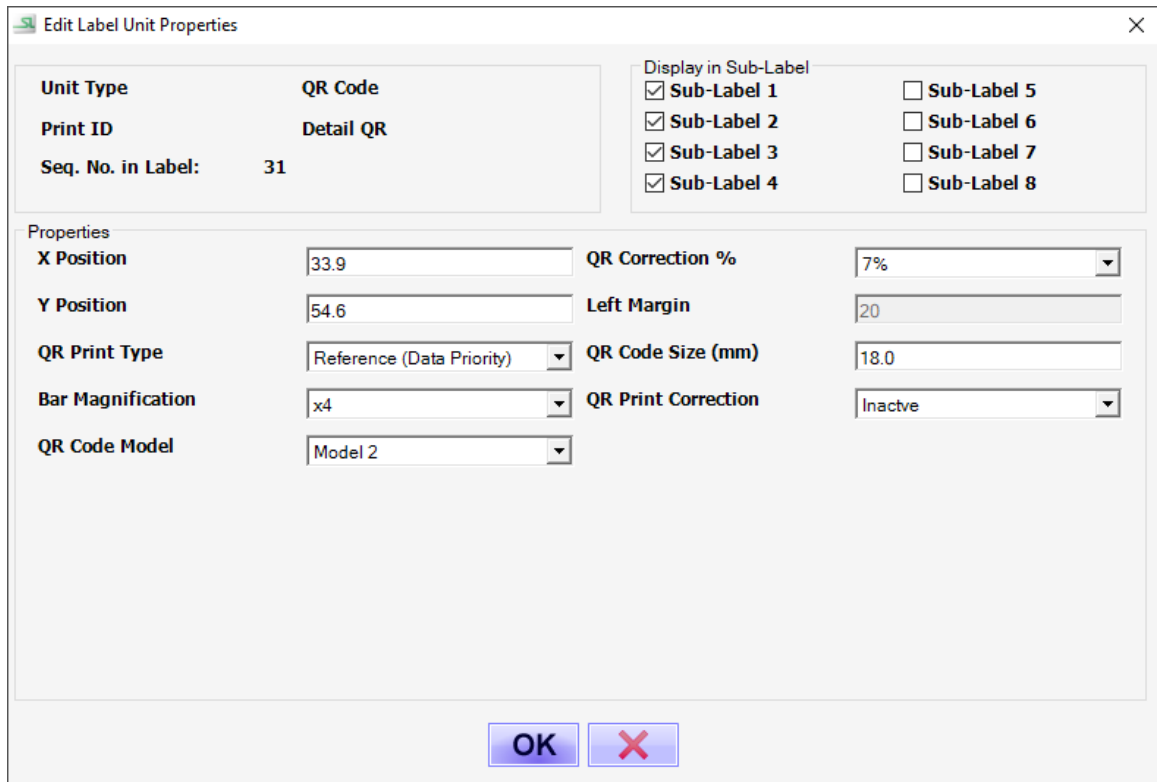
Properties:

X Position	33.9	QR Correction %	7%
Y Position	54.6	Left Margin	20
QR Print Type	Reference (Data Priority)	QR Code Size (mm)	18.0
Bar Magnification	x4	QR Print Correction	Inactive
QR Code Model	Model 2		

Buttons: OK, X

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- DETAIL BAR (QR)

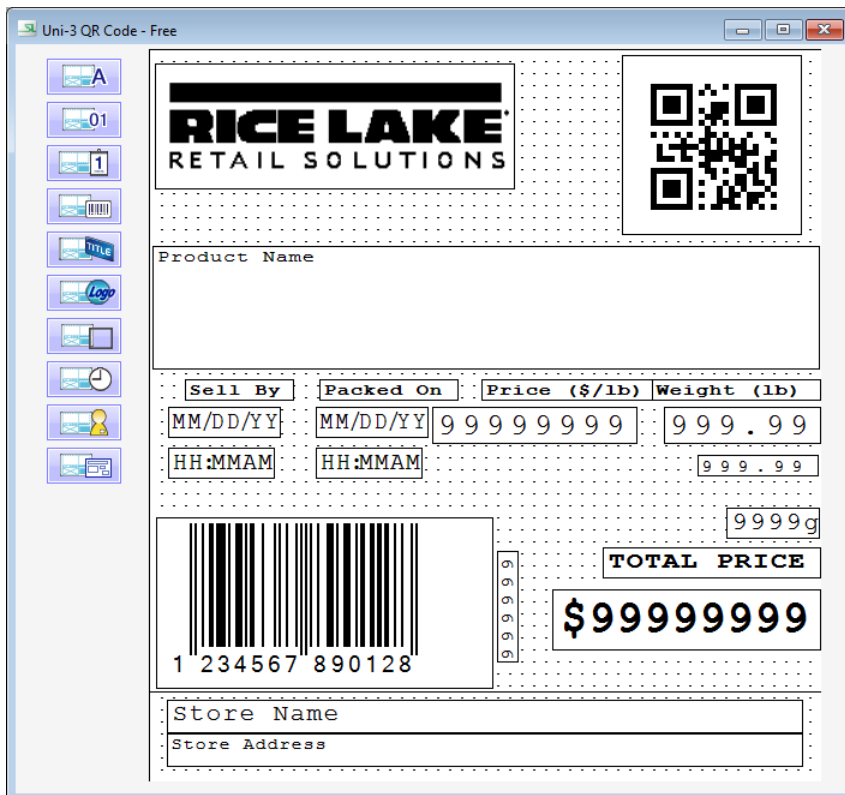


The dialog box is titled "Edit Label Unit Properties". It contains several sections:

- Unit Type**: QR Code
- Print ID**: Detail QR
- Seq. No. in Label**: 31
- Display in Sub-Label**: A grid of checkboxes for Sub-Label 1 through Sub-Label 8. Sub-Label 1, 2, 3, and 4 are checked.
- Properties**:
 - X Position**: 33.9
 - Y Position**: 54.6
 - QR Print Type**: Reference (Data Priority)
 - Bar Magnification**: x4
 - QR Code Model**: Model 2
 - QR Correction %**: 7%
 - Left Margin**: 20
 - QR Code Size (mm)**: 18.0
 - QR Print Correction**: Inactive

At the bottom are **OK** and **X** buttons.

- Click **OK** when finished.
- Send the label format to the Uni-3 and verify scanning.



The label format is titled "Uni-3 QR Code - Free". It features a sidebar with icons for various label elements. The main area displays a label template for "RICE LAKE RETAIL SOLUTIONS".

The label template includes:

- Product Name**: A large text field.
- Sell By**: MM/DD/YY
- Packed On**: MM/DD/YY
- Price (\$/lb)**: 99999999
- Weight (lb)**: 999.99
- Barcode**: 1 234567 890128
- TOTAL PRICE**: \$99999999
- Store Name**: A text field.
- Store Address**: A text field.

A QR code is visible in the top right corner of the label template.

Label Format with QR Code Added

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Sample Label with QR Code

Notes

1. The QR Code automatically prints larger to accommodate an increased amount of data. Therefore, the QR Code should be placed with sufficient space to the right and below to allow for expansion.
2. If the QR Code does not have space to expand to accommodate all the data, error 0713 "Too many characters on format for Printer 1" will occur. The error sub number identifies the QR Code:
 - 0780 Free QR
 - 0781 Extra Message 3 QR
 - 0782 Detail QR.
3. These are typical QR Code label format unit properties. Increase the Bar Magnification and QR Code Size depending on the amount of data in the QR Code.
 - a. QR Print Type: Reference (Data Priority)
 - b. Bar Magnification: x3 ~ x4
 - c. QR Code Model: Model 2
 - d. QR Correction: 7%
 - e. QR Code Size (mm): 14.5 ~ 26.0
 - f. QR Print Correction: Inactive
4. Set Print Density (darkness) as 7 ~ 9, step C07-03-02, verify scanning and adjust as needed.
5. Use quality label paper for good printing and accurate scanning.