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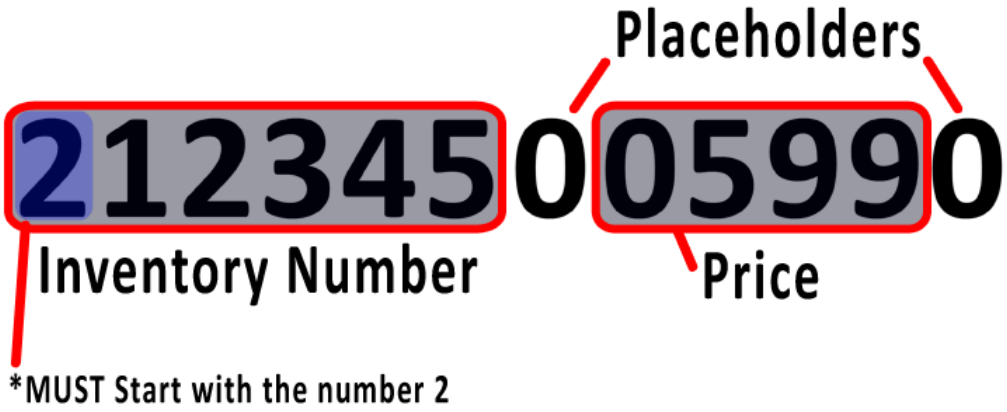
Price Embedded Barcodes



212345005990

Example Generated Inventory Number From Scale

Price embedded barcodes are used for weight items that have the bar code printed out of a scale. The entire number that is printed on the label must be 12 digits, the first 6 digits will be the item number in CRE (first digit MUST be "2") and the second 6 will determine the price.

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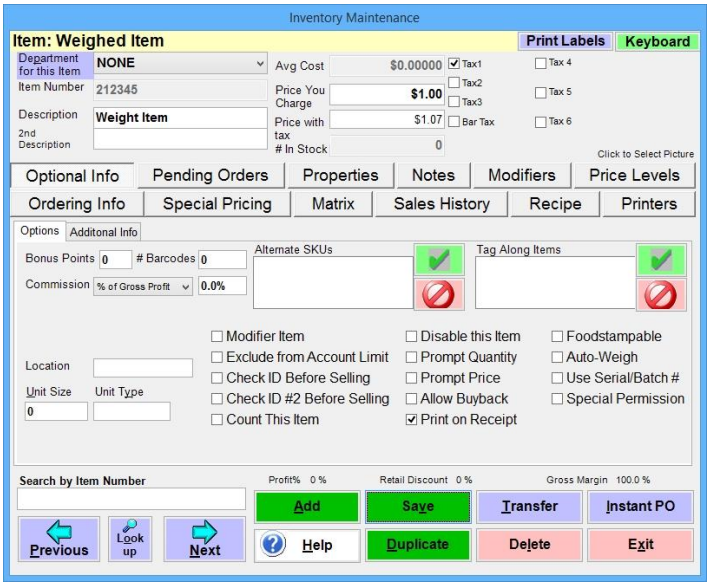
Revision History

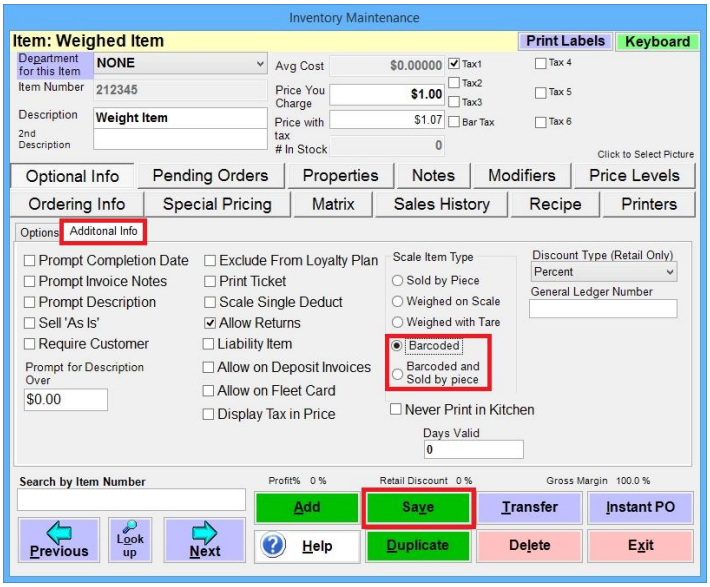
Document Version	Date	Author	Description of Changes
1.0	Oct 4, 2012	R H	1st Release
2.0	Oct 3, 2014	M P	Updated Header
3.0	Aug 17, 2017	M P	Added description of Barcoded and Sold by Piece

Creating items in Inventory Maintenance

1. Select the **Manager** or **Options** button.
2. Enter the administrator password (default: admin) where applicable.
3. Select **Administrative** then, **Inventory Maintenance**.



4. Select **Add Item**.
5. Select **Standard Item**.
6. Enter the item information:
   - **Department for this item** (e.g. NONE).
   - **Item Number** (e.g. 212345).
   - **Description** (e.g. Weight Item).
   - **Price you charge** (e.g. 1.00).

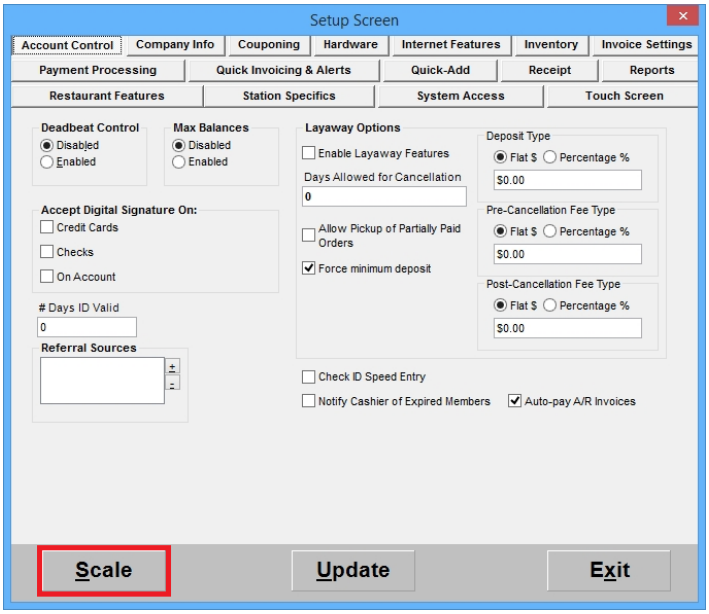


7. Select the **Additional Info** tab.
8. Under **Scale Item Type** select **Barcoded** or **Barcoded and Sold by piece**.

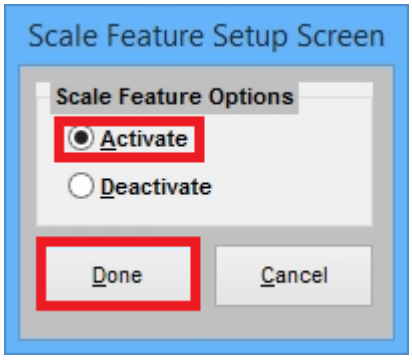
- **Barcoded** will display the quantity of the weighed item sold on the receipt followed by the price per weight and the total price. (Example: 1.2 lb @ $3.00/lb $3.60)
- **Barcoded and Sold by Piece** will show the price the item was sold for and the quantity as 1 pc.

Activating the Scale

1. Select the **Manager** or **Options** button.
2. Enter the administrator password (default: admin) where applicable.
3. Select **Setup** then, **Setup Screen**.



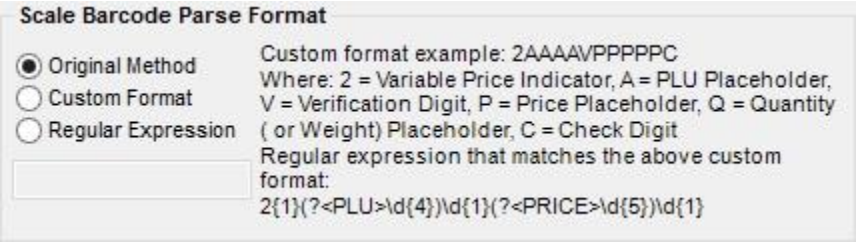
4. Select the **SCALE** button that is at the bottom of the setup screen.



5. Select **Activate** and then **Done**.

CRE knows that any item that starts with the number 2 will be a weight item. So the bar code that the scale prints out will be something like this 212345005990 which will make the price $5.99.

Configuring the Scale Barcode Parse Format Feature



This feature allows you to change the format that price embedded barcodes use.

This feature is used in conjunction with a deli scale that can print the price embedded barcodes.

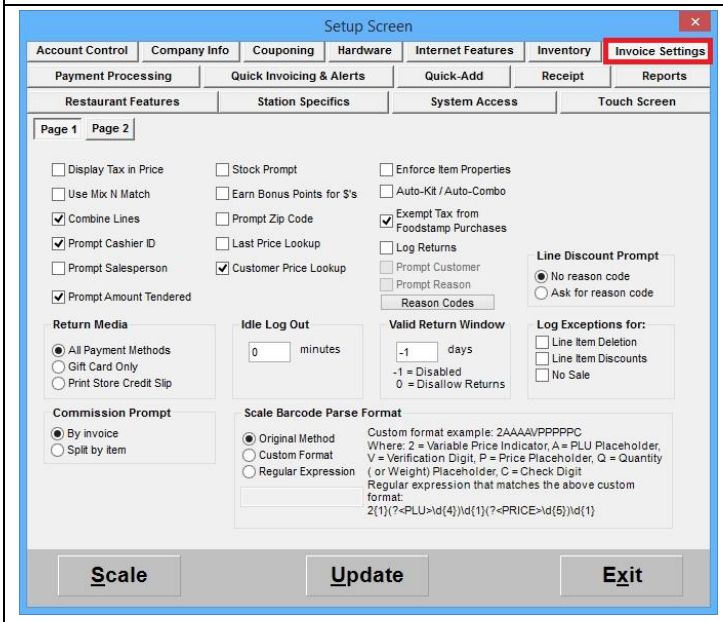
Normally price embedded barcodes are 12 digits (i.e. 212345099990), the first 6 digits will be the item number in CRE (first digit MUST be "2" – i.e. 212345) and the second 6 will determine the price (i.e. 099990 = $99.99).

This can be used when barcoded items in your establishment go over a 4 digit price point (i.e. $99.99).

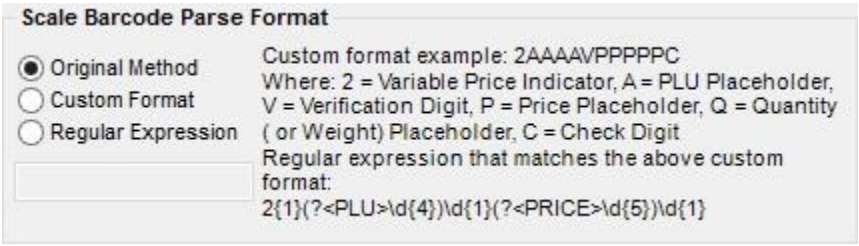
We will create two examples (Custom Format and Regular Expression) and describe the process that is required to switch from using the Original Method to either of the other formats.

Configuring the Scale Barcode Parse Format Feature

1. Select the **Manager** or **Options** button.
2. Enter the administrator password (default: admin) where applicable.
3. Select **Setup** then, **Setup Screen**.



4. Select the **Invoice Settings** tab.



5. Under Scale Barcode Parse Format do one of the following options:

   - **Original Method** - This option uses the first 6 digits (starting with the number 2) for the item number and the second 6 digits will contain the 4 digit price in between the Verification and Check Digits (i.e. 212345099990).
   - **Custom Format** - This option requires a formula to be entered in the field below.
   - **Regular Expression** - This option also requires that a formula be entered into the field below.

Custom Format

The custom format example we will create, will have the barcode that will be programmed for 14 digits. We will have a 2 which will precede the rest of the information then the item number in CRE (first 6 digits) and the remaining 7 digits will determine the price.

- This formula will need to be structured in the following format:
  - The formula must start with the number 2.
  - Enter the letter A (capital) for each of the PLU Placeholders you would like to use.
  - After entering the PLU Placeholders we will then need to enter a V (capitol) for the verification digit.
  - Enter the letter P (capital) for each digit of the price as the Price Placeholders you would like to use.
  - Enter C (capitol) at the end of the formula as the check digit.
  - The formula should then look similar to this: 2AAAAAAVPPPPPC

In this example we will be using the original format barcode of 212345099990. We will be changing this to a Custom Format to be able to charge more than $99.99 for the item (i.e. $125.99).

Custom Format Formula	Custom Format - Barcode Example From Deli Scale
2AAAAAAVPPPPPC	22123450125990

Custom Format Breakdown

2 = Leading Digit	AAAAAA = PLU (Item Number from Inventory Maintenance)	V = Verification Digit	PPPPP = Price	C = Check Digit
2	212345	0	12599	0

22123450125990

Regular Expression

The Regular Expression format example we will create, will have the barcode that will be programmed for 14 digits. We will have a 2 which will precede the rest of the information while keeping the original first 6 digits as the item number (in CRE) and the remaining 7 digits will determine the price.

- The format will need to be structured as follows:
  - The formula must start with the number 2 we will then need to enter the places it will use in curly brackets {1}.
  - Enter (?<PLU>\d{6}) you can change the number from 4 to the number of PLU placeholders.
  - Enter \d{1} after the PLU placeholders, this is for the verification digit.
  - Enter (?<PRICE>\d{5}) you can change the number from 5 to the number of Price placeholders.
  - Enter \d{1} after the Price placeholders, this is for the check digit.
  - The formula should then look similar to this: 2{1}(?<PLU>\d{6})\d{1}(?<PRICE>\d{5})\d{1}

In this example we will be using the original format barcode of 212345099990. We will be changing this to a Regular Expression Format to be able to charge more than $99.99 for the item (i.e. $125.99).

Regular Expression Formula	Regular Expression - Barcode Example From Deli Scale
2{1}(?<PLU>\d{6})\d{1}(?<PRICE>\d{5})\d{1}	22123450125990

Regular Expression Format Breakdown

2 = Leading Digit	(?<PLU>\d{6}) = PLU (Item Number from Inventory Maintenance)	\d{1} = Verification Digit	(?<PRICE>\d{5}) = Price	\d{1} = Check Digit
2	212345	0	12599	0

22123450125990

Login to CRE and scan a price embedded barcode with the correct formatting to verify that it is working.

Switching From the Original Method to one of the Other Two Expressions

When using the Original Method and need to charge more than $99.99 as the price for the item, you can use one of the aforementioned formulas.

The inventory that you have in your system (from using the original method) can still be used but some changes will need to be made on the scale:

- As the scale prints price embedded barcodes like this:
    - 212345099990
- And after configuring either of the previously described formulas, CRE/RPE will be expecting a barcode like this:
    - 22123450125990
- We will need to configure the deli scale to print a 2 then the full item number from inventory maintenance:
    - 2212345
- We will then need the verification digit.
    - 0
- Then the 5 digits for the price:
    - 12599
- And finally the check digit:
    - 0

Receipt Examples

Below are examples of what the receipt and invoice screen will look like with an item has Barcoded or Barcoded & sold by Piece enabled.

#	Item Info	Quantity	Price
1	212345 @ lb/$1.00 Barcoded	5.00 lb	$5.00
2	212346 @ pc/$5.00 Barcoded & by Piece	1.0 pc	$5.00
3	1 @ pc/$1.00 Item Sold by Piece	1.0 pc	$1.00

```
INVOICE# 1
Closed to Cash Purchase

DATE/TIME: 8/17/2017 12:10:16 PM
CASHIER: 100101
STATION: 01

Item Count: 1
========================================
Weight/pc        Unit Price  Total Price

Barcoded-212345
5.00 lb     @      $1.00/lb        $5.00
Barcoded & by Piece-212346
1.00 pc     @      $5.00/pc        $5.00
Item Sold by Piece-1
1 pc        @      $1.00/pc        $1.00
========================================
Subtotal                           $11.00
GRAND TOTAL                        $11.00

Cash                               $11.00
Amt Tendered                       $11.00
Change                              $0.00
```

Receipt Example

```
INVOICE# 2
Closed to Cash Purchase

DATE/TIME: 8/17/2017 4:07:51 PM
CASHIER: 100101
STATION: 01

Item Count: 1
========================================
1 BARCODED & BY PIECE              $5.00
1 ITEM SOLD BY PIECE               $1.00
1 BARCODED                         $1.00
     1.00 lb @ $1.00/lb
========================================
Subtotal                           $7.00
GRAND TOTAL                        $7.00

Cash                               $7.00
Amt Tendered                       $7.00
Change                             $0.00
```

Short Receipt Example