User's Guide

Rack-Mount Ethernet Master

Network Server

METTLER TOLEDO

Rack-Mount Ethernet Master Network Server

METTLER TOLEDO Service

Essential Services for Dependable Performance of Your Rack-Mount Ethernet Master Network Server

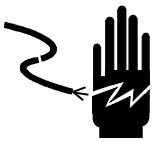
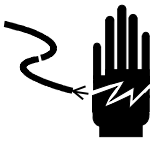
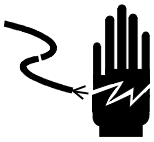
Congratulations on choosing the quality and precision of METTLER TOLEDO. Proper use of your new equipment according to this Manual and regular calibration and maintenance by our factory-trained service team ensures dependable and accurate operation, protecting your investment. Contact us about a service agreement tailored to your needs and budget. Further information is available at www.mt.com/service.

There are several important ways to ensure you maximize the performance of your investment:

1. **Register your product**: We invite you to register your product at www.mt.com/productregistration so we can contact you about enhancements, updates and important notifications concerning your product.
2. **Contact METTLER TOLEDO for service**: The value of a measurement is proportional to its accuracy – an out of specification scale can diminish quality, reduce profits and increase liability. Timely service from METTLER TOLEDO will ensure accuracy and optimize uptime and equipment life.
    a. **Installation, Configuration, Integration and Training**: Our service representatives are factory-trained, weighing equipment experts. We make certain that your weighing equipment is ready for production in a cost effective and timely fashion and that personnel are trained for success.
    b. **Initial Calibration Documentation**: The installation environment and application requirements are unique for every industrial scale so performance must be tested and certified. Our calibration services and certificates document accuracy to ensure production quality and provide a quality system record of performance.
    c. **Periodic Calibration Maintenance**: A Calibration Service Agreement provides on-going confidence in your weighing process and documentation of compliance with requirements. We offer a variety of service plans that are scheduled to meet your needs and designed to fit your budget.
    d. **GWP® Verification**: A risk-based approach for managing weighing equipment allows for control and improvement of the entire measuring process, which ensures reproducible product quality and minimizes process costs. GWP (Good Weighing Practice), the science-based standard for efficient life-cycle management of weighing equipment, gives clear answers about how to specify, calibrate and ensure accuracy of weighing equipment, independent of make or brand.

Warnings and Cautions

- READ this manual BEFORE operating or servicing this equipment and FOLLOW these instructions carefully.
- SAVE this manual for future reference.

	**⚠ WARNING**
	ELECTRICAL SHOCK HAZARD. PERMIT ONLY QUALIFIED PERSONNEL TO SERVICE THIS EQUIPMENT. EXERCISE CARE WHEN MAKING CHECKS, TESTS, AND ADJUSTMENTS THAT MUST BE MADE WITH POWER ON. FAILING TO OBSERVE THESE PRECAUTIONS CAN RESULT IN BODILY HARM.
	**⚠ WARNING**
	ELECTRICAL SHOCK HAZARD. CONNECT TO A PROPERLY GROUNDED OUTLET ONLY. DO NOT REMOVE THE GROUND PRONG. POWER OUTLETS MUST BE EASILY ACCESSIBLE AND LOCATED NO FURTHER THAN THE LENGTH OF THE POWER CORD SUPPLIED WITH THE PRODUCT.
	**⚠ WARNING**
	ELECTRICAL SHOCK HAZARD. DISCONNECT AND LOCK OUT ALL POWER TO THIS UNIT BEFORE REMOVING OR INSTALLING THE FUSE, CLEANING, OR SERVICING.
NOTICE	
TO PREVENT EQUIPMENT DAMAGE, READ AND UNDERSTAND THE OPERATOR'S MANUAL BEFORE USING THE EQUIPMENT. FAILURE TO FOLLOW OPERATING INSTRUC TIONS COULD RESULT IN EQUIPMENT DAMAGE.	
	***NOTICE***
	OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES.

Disposal of Electrical and Electronic Equipment

In conformance with the European Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE) this device may not be disposed of in domestic waste. This also applies to countries outside the EU, per their specific requirements.

Please dispose of this product in accordance with local regulations at the collecting point specified for electrical and electronic equipment.

If you have any questions, please contact the responsible authority or the distributor from which you purchased this device.

Should this device be passed on to other parties (for private or professional use), the content of this regulation must also be related.

Thank you for your contribution to environmental protection.

Contents

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1 Introduction

1.1. General Description

- Note: The **R**ackmount **E**thernet **M**aster will be referred to as either Ethernet Master or REM.

The METTLER TOLEDO® REM (Rackmount Ethernet Master) is designed for connection to a network of METTLER TOLEDO TNET Satellite or Ethernet Client scales and controllers through a wired Ethernet network, or a wireless Ethernet network. The REM will support Ethernet scales. Each REM can support up to 25 Ethernet Clients. The REM acts as the server on the network providing the satellites and clients with PLU file information. Any **Smart***Touch*® satellite or Ethernet Client (Model 8361, 8461, or UC-ST) on the network can access the REM master editor for setup and programming.

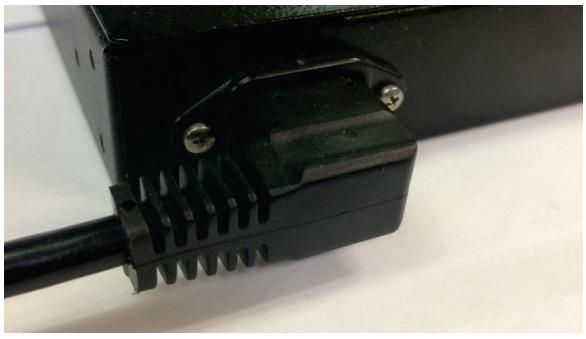
Models that can be connected to the REM include: Model 355, 2450, 8361, 8450, 8461, UC-ST, Impact-M.

Programming functions in the REM are identical to the **Smart***Touch*® Master and STEM (SmartTouch Ethernet Master).

1.2. Physical Characteristics

1.2.1. Power

Power Switch



AC Power Cord

Figure 1-1: Power Switch and Power Cord

The REM2 requires 100-240 VAC, 50/60 Hz, 0.5A power. Wiring must include a proper ground. The integrity of the power ground for equipment is important for both safety and dependable operation of the electronic device. A poor ground can result in an unsafe condition should an electrical short develop in the equipment.

A good ground connection minimizes extraneous electrical noise pulses. The electronic device should not share power lines with noise-generating equipment. Examples include electrical motors,

compressors, heating elements, lights, and relays that may generate noise spikes and power surges. To confirm ground integrity, use a commercial branch circuit analyzer or grounded outlet tester. If adverse power conditions exist, a dedicated power circuit or power line conditioner might be required.

1.2.2. Network Connection

Figure 1-2 shows the connection features on the back panel of the REM2.

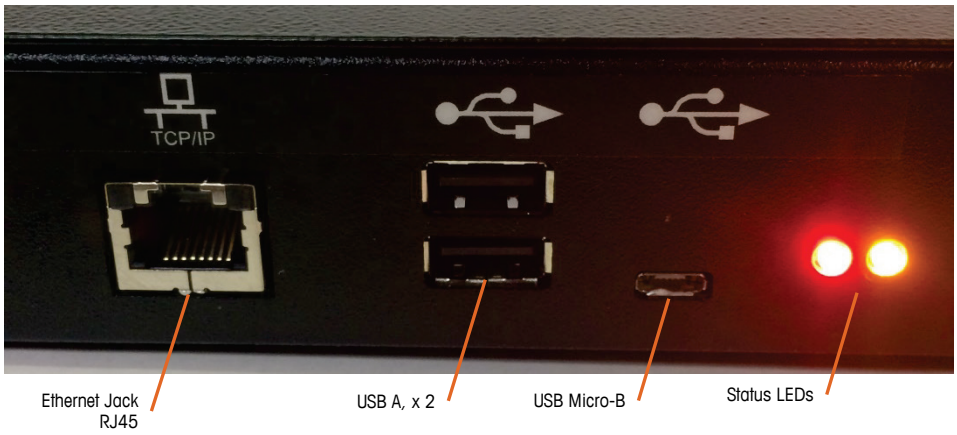
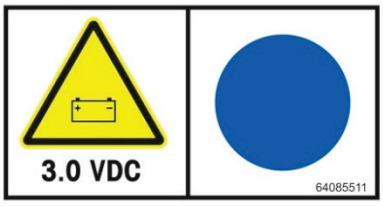


Figure 1-2: Network Connections and Indicator LEDs

1.2.3. Labels

1.2.3.1. Battery Replacement Label



64085511

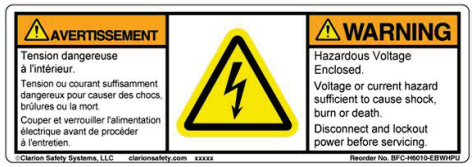
1.2.3.2. I/O Label

30301198

1.2.3.3. Ground Label

72995732

1.2.3.4. Voltage Hazard Warning Label

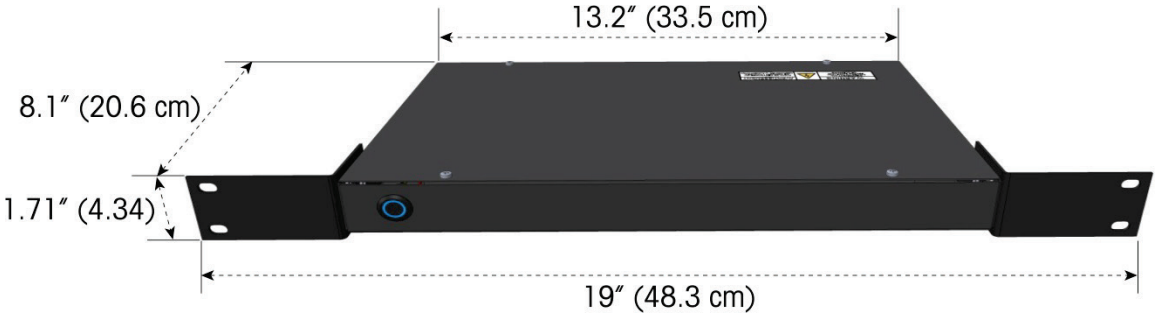


30401462

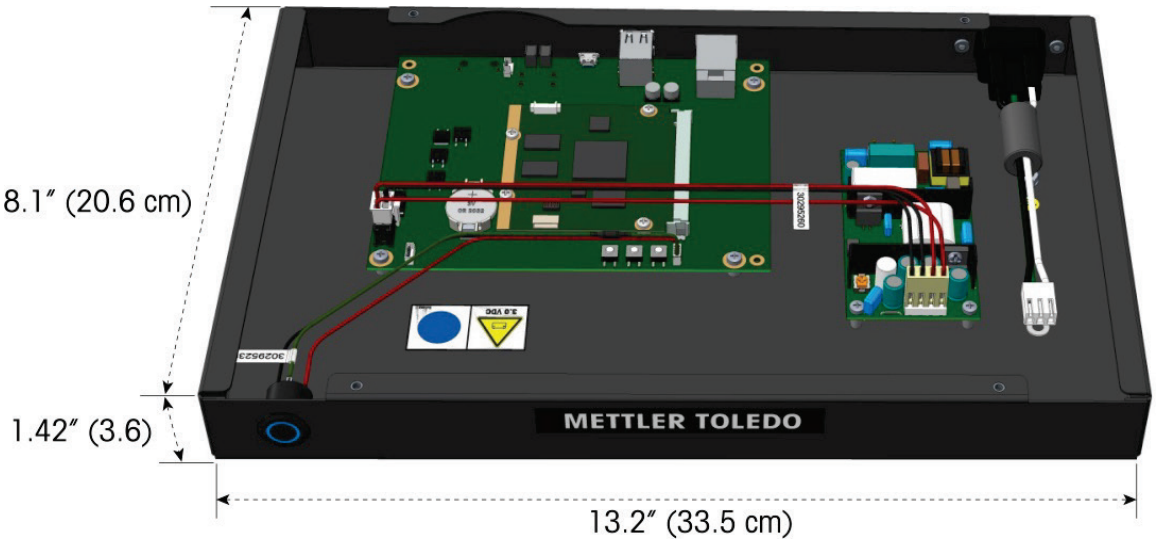
1.2.4. Dimensions

1.2.4.1. With Rack-Mounting Features

- Note: For rack mounting, an additional 3″ (7.62 cm) should be allowed behind the enclosure for the power cord and other cable connections.



1.2.4.2. Without Rack-Mounting Features



1.2.4.3. Operating/Storage Temperature

Operating Range	10ºC to 40ºC (50ºF to 104ºF), humidity from 5% to 95% non-condensing.
Storage Range	0ºC to 70ºC (32ºF to 158ºF), with humidity from 5% to 95% non-condensing.
Operating Location	For indoor use only. For use up to 2000m.

1.3. Agency Approvals

The REM2 is designed to meet the requirements of the following agencies:

Intertek	UL62368-1 Audio/video, information and communication technology equipment - Safety requirements. Canada and US.
FCC	Requirements for FCC Conducted Emissions and Radiated Emissions for a Class A device.

1.4. Ethernet Communications

The Ethernet communications use standard TCP/IP protocol over a standard Ethernet network at 10 Mbps.

1.5. Unpacking

Remove the REM2 and accessories from the shipping carton and inspect for damage. Report any damage to the carrier promptly.

NOTICE
IF YOU CHOOSE TO DISPOSE OF THE PACKAGE, PLEASE RECYCLE THE MATERIALS. THE PACKAGING IS RECYCLABLE NATURAL FIBER WITH BIODEGRADABLE ADHESIVES.

The REM2 is shipped with the following items:

- REM2 Unit Power Cord
- (6) M3x5 Screws
- (2) Extender Brackets
- (4) 10-32x3/8 Screws

2 Installation

2.1. Environmental Conditions

2.1.1. Maximum Ambient Temperature

Maximum Ambient Temperature (Tmra) for operation of the REM is 40ºC, measured near the enclosure. When the REM is installed in a closed or multi-rack assembly, the internal operating ambient (inside the enclosure) may be greater than the room ambient temperature.

2.1.2. Minimum Ambient Temperature

Minimum Ambient Temperature for operation of the REM is 0ºC.

2.1.3. Reduced Air Flow – Mounted REM

The REM is designed for mounting only in a standard rack assembly between other rack units. Allow 1/2" between the REM on the top and bottom of the rear enclosure to other mounted units. The REM case is designed with a wider face mounting plate and a narrower enclosure to automatically provide this space. Do not mount other types of rack enclosures next to the REM where the rear enclosure may protrude beyond the plane of the mounting faceplate and reduce the minimum clearance required by the REM.

2.2. Electrical Supply

The electrical current draw of the REM is rated at 0.5A at 100 VAC to 240 VAC. This must be taken into consideration when connecting the unit to electrical power with other rack units to avoid overloaded circuits. The amperage rating of all components connected to one circuit must not exceed the rated amperage of the circuit.

Avoid connecting this unit to circuits with heating elements, electrical motors, fluorescent lights, thermostats, etc. Electronic components should be on separate electrical circuits (including the ground) of sufficient amperage.

2.2.1. Grounding

All units must be connected to a reliable earth ground. If a power strip is used, the power strip must include a ground circuit.

2.3. Rack Mounting

When installing on a rack or cabinet unit, exercise care to mount the REM securely in the rack using the recommendations of the rack manufacturer.

Figure 2-1: Rack and Cabinet

The REM2 is also designed for rack mounting. The extender brackets must be attached prior to mounting on a standard 19″ rack, or rack cabinet.

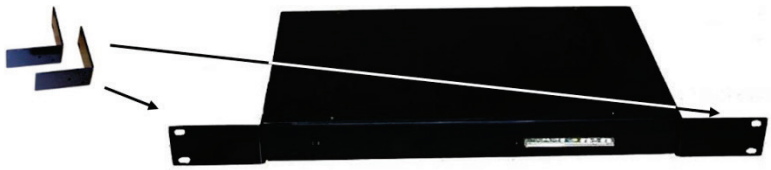
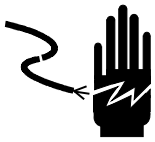


Figure 2-2: Extender Brackets

Attach the brackets with the screws provided by lining up the holes of the short side of the bracket to the body of the REM. After the brackets have been attached follow the rack manufacturer's guidelines to ensure the rack assembly is secure from tipping.

- Note: the brackets can be attached to the REM body at either the "front" or "back" of the unit. Placement is determined by customer preference as to which side of the unit is to be viewed.

2.4. Installation Checklist



⚠ WARNING

ELECTRICAL SHOCK HAZARD. CONNECT TO A PROPERLY GROUNDED OUTLET ONLY. DO NOT REMOVE THE GROUND PRONG. POWER OUTLETS MUST BE EASILY ACCESSIBLE AND LOCATED NO FURTHER THAN THE LENGTH OF THE POWER CORD SUPPLIED WITH THE PRODUCT.

- Note: If the unit has been stored or transported in below freezing temperatures, allow the unit to warm up to room temperature before turning on AC power.

- **Rack installation: Install the REM in the rack using the supplied hardware.** After attaching the extender brackets to the REM unit, refer to the rack manufacturers guidelines when installing the REM.
- **Connect Ethernet cable (as necessary).**
- **Install Power Cord, Connect to AC Power, Turn power ON.**
- **Configure Network Settings**. Use 8461/8361 TNET Satellite, WinDataback for Windows® or LOADIP2.EXE to set the IP Number.
- **WinDataBack -** The WinDataback for Windows® Program can be used to backup and restore the PLU file on the REM.

3 Network Startup

3.1. Default Address

The default IP address for the Unit is 192.168.0.100

3.1.1. Changing Address

To change the IP address, install a USB Flash drive with the file REM2Network.xml in the root directory of the Flash Drive.

For DHCP addresses, the file should be formatted as below for DHCP addresses:

```
    <Rem2settings>
    <Network>
        <Type>DHCP</Type>
    </Network>
</Rem2settings>
```

For static IP addresses, the file should be formatted as below:

```
    <Rem2settings>
    <Network>
        <Type>static</Type>
        <IPaddress>192.168.0.100</IPaddress>
        <Subnet>255.255.255.0</Subnet>
        <Networkaddress>192.168.0.0</Networkaddress>
        <Gateway>192.168.0.1</Gateway>
    </Network>
</Rem2settings>
```

4 Master Editor

4.1. Overview

To access the Master Editor from a model 8361, 8461, or UC-ST, press the SETUP key. The **Choose Setup Mode** message will appear. Touch the MASTER EDITOR key.

To access the Master Editor from a model an Impact M, Press the Admin key and choose **Item database**.

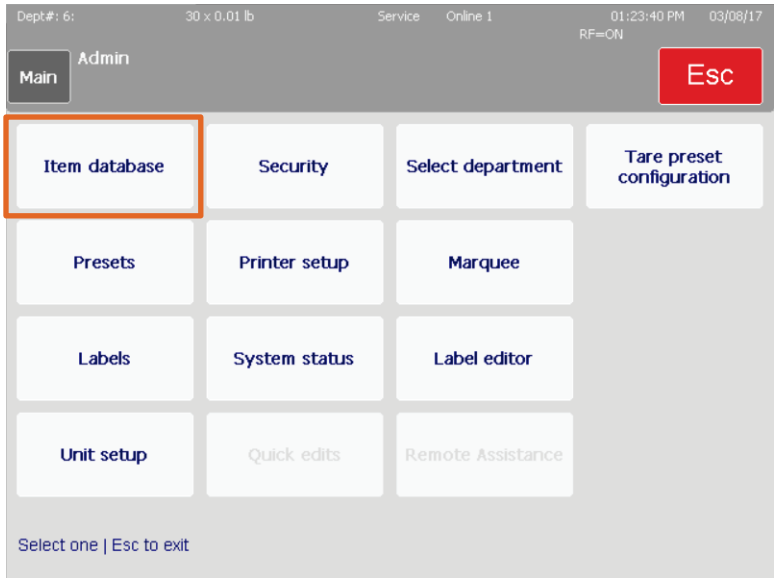


Figure 4-1: Master Editor Main Screen

- If another scale is currently accessing the Master Editor, the message *MASTER EDITOR CURRENTLY UNAVAILABLE* will be displayed and you will need to try again at a later time.
- If you are not communicating with the master (you are off-line), an **ERROR COMMUNICATING WITH THE MASTER** message will be displayed, and you will need to re-establish communication before continuing.

The numeric keyboard will be displayed prompting for a password. If no password has been programmed, just touch ENTER. When the Master Editor menu opens, the current access level, department number, software version, and the Master's current date will be displayed at the bottom of the screen. Touching QUIT will end the Master Editor session.

Touching the menu titles at the top of the screen will activate the pull down menu for that option.

In the illustration below the EDIT menu was touched.

Figure 4-2: Edit Screen

4.2. Edit Menu

4.2.1. Edit a PLU

The **EDIT PLU RECORD** menu is used to create and edit PLU records. All of the fields in a PLU can be edited here.

To begin editing, touch EDIT followed by PLU RECORD to display the numeric keyboard for the entry of the PLU number.

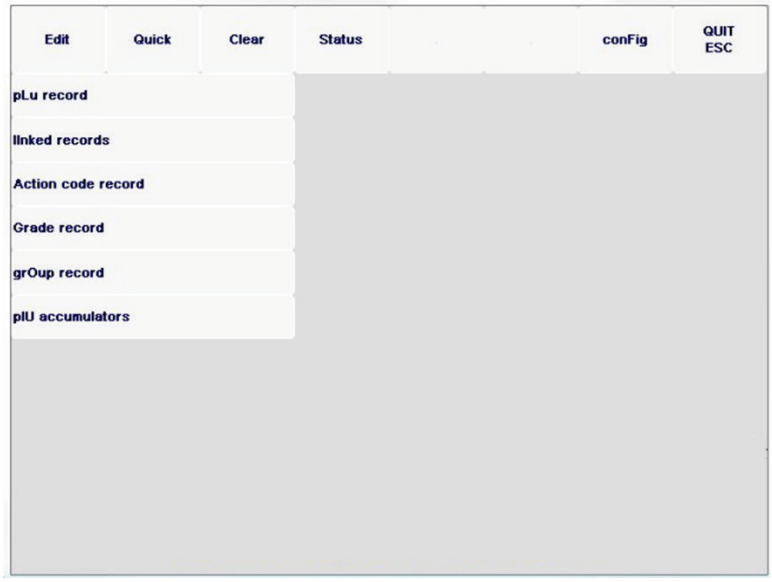


Figure 4-3: Edit PLU Record

To edit an existing PLU, enter the number through the numeric keyboard or choose one through the list.

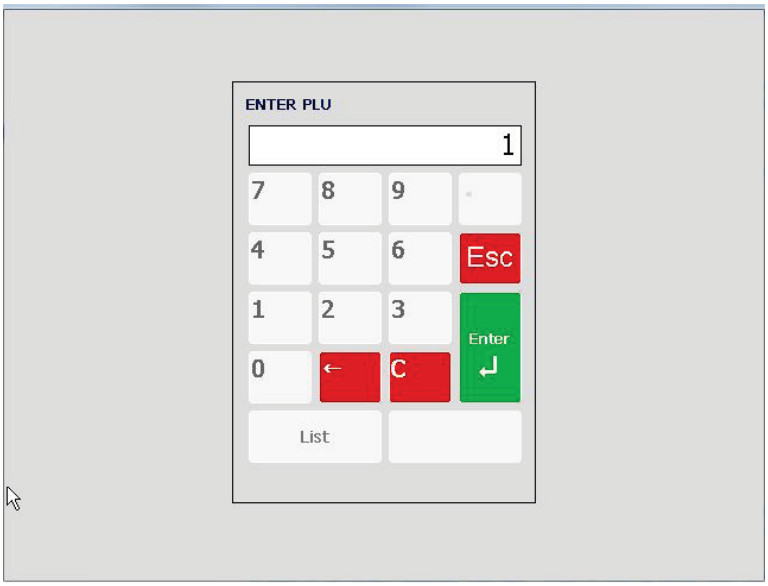


Figure 4-4: Edit Existing PLU Record

4.2.2. Add a PLU

To add a new PLU, enter a PLU number that has not been used through the numeric keyboard. A **PLU NOT FOUND** message will appear with 2 options. Touch EXIT to return to the numeric keyboard, ADD NEW RECORD to add a new PLU.

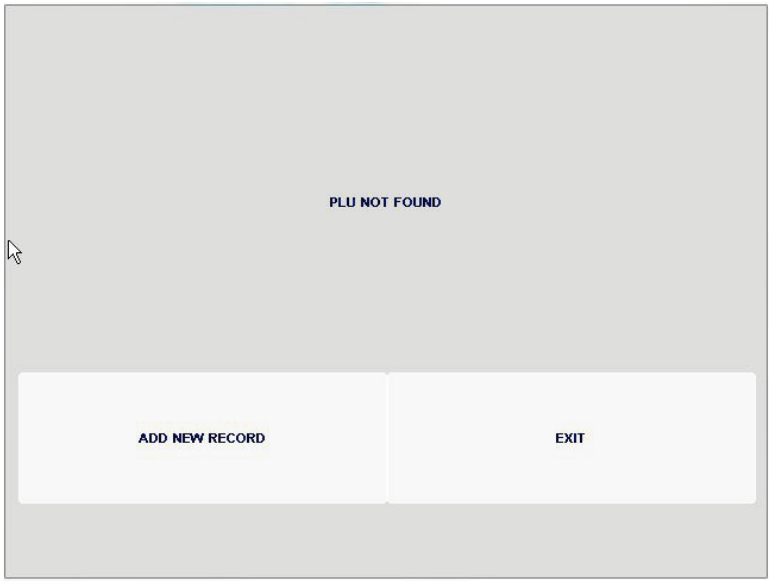


Figure 4-5: PLU Not Found

When adding new PLUs, you will be prompted for all of the fields of the PLU.

Refer to the following sections for details on valid data for each of the fields. If you quit and return later to edit the new PLU, you will see all of the fields on two screens as shown in the following section.

4.2.3. PLU Edit Screen

The PLU Edit Screen is used when the entire PLU record needs to be modified. (If only one field of the PLU needs to be modified, this can be done through the Quick menu option).

Touching QUIT displays a SAVE CHANGES prompt. Touch YES to save changes and return to the numeric keyboard, NO to return to the numeric keyboard without saving changes, or CANCEL to return to the PLU Edit screen.

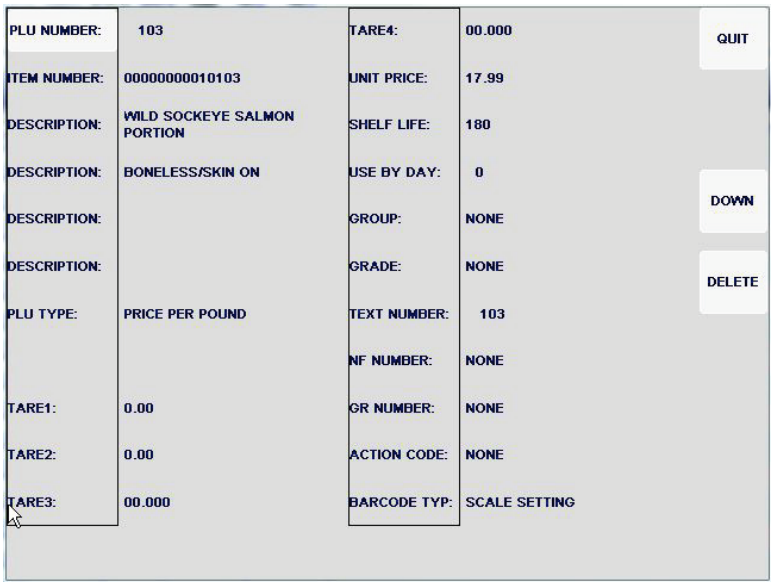


Figure 4-6: PLU Edit Screen

Touching DELETE displays a confirmation screen. Touch YES to delete the record and return to the numeric keyboard or NO to return to the PLU Edit screen. The DELETE key is only available when editing existing PLUs.

Touch the DOWN key to access the next page of PLU fields.

To EDIT a field, touch that field and follow the editing instructions. The following shows the PLU Edit screen.

4.2.4. PLU Fields

4.2.4.1. PLU Number

The PLU number can be from one to six digits (1-999999) and must be unique within the current department. If it is not, a PLU NUMBER ALREADY EXISTS message is displayed and the PLU numeric keyboard is redisplayed.

4.2.4.2. Item Number

The Item number can be from one to 10 digits, but the barcode may only use the 5 or 6 least significant digits depending on the barcode format. If the master has been set up for unique item numbers (located in Master editor, Config Menu, PLU record defaults) and the item number entered is not unique, an **ITEM NUMBER ALREADY EXISTS** message is displayed and the item number numeric keyboard is redisplayed.

4.2.4.3. Description

Up to four lines of description are allowed per PLU record. An alphanumeric keyboard is presented for editing each line of description. Each line may be up to 32 characters long. (Note: The label format may need to be revised in order to accommodate the additional lines of description if the master software is Version 3.2 or above.)

4.2.4.4. PLU Type

PLU types are pricing modes, including **Price Per Pound, Pounds For, Price Per Half Pound, Price Per Quarter Pound, By Count, Standard Pack,** and **Manual**. The choice of PLU type affects some of the menu options for the PLU Edit screen. If a change in PLU type is made that changes one of these options, the default value for the new option is assigned.

4.2.4.5. Pounds/Count

This field changes depending on the PLU type. For **Pounds For** PLUs, this field is titled **POUNDS** and when selected presents a numeric keyboard for the entry of the number of pounds (default = 1). For **By Count** and **Std Pack** PLUs, it is titled **COUNT** and when selected presents a numeric keyboard for the entry of the number items (default = 1). For **Price Per Pound, Price Per Half Pound, Price Per Quarter Pound,** and **Manual** PLUs this field is blank and disabled.

4.2.4.6. Tare1/Ounces

This field changes depending on the PLU type. For **Price Per Pound, Price Per Half Pound, Price Per Quarter Pound**, and **Pounds For** PLUs, this field is titled **TARE1** and when selected presents a numeric keyboard for the entry of the tare weight (default = 0.00). For **Std Pack** PLUs, it is titled **OUNCES** and when selected presents a numeric keyboard for the entry of the number of ounces in a pack. For **By Count** or **Manual** PLUs, this field is blank and disabled.

4.2.4.7. Tare2

This field changes depending on the PLU type. For **Price Per Pound, Price Per Half Pound, Price Per Quarter Pound**, and **Pounds For** PLUs, this field is titled **TARE2** and when selected, a **SELECT TARE2 TYPE** screen is presented. Tare2 can be a fixed weight or forced so that the operator must enter the tare. A **PERCENTAGE** option is displayed but functions as the **FIXED WEIGHT** tare. If **FIXED WEIGHT** or **PERCENTAGE** are selected, a numeric keyboard prompts for the values of a tare weight (default=0.00). If **FORCED** is selected, the word **FORCED** appears in that field. This tare is available for the situation when 2 different tares are needed for the same product (ex. - with meat products, one tare is for the back room, and one tare is for the counter, after the meat has been re-packaged). For the older equipment (8422/23/27/8305), the TARE2 value is not interpreted and the TARE1 value is automatically used. With the Model 8360, 8361, 8460, and 8461 **Smart*Touch*®** satellites, the TARE value used is chosen through the Unit Setup menu (see the specific model's service

manual for setup information). For **By Count, Standard Pack**, and **Manual** PLUs, this field is blank and disabled.

4.2.4.8. Unit Price/Total Price

This field changes depending on the PLU type. For **Price per Pound, Price Per Half Pound, Price Per Quarter Pound**, and **Pounds For** PLUs, this field is titled UNIT PRICE and when selected presents a numeric keyboard for the entry of the unit price (default = $0.00). For **By Count** and **Standard Pack**, it is titled TOTAL PRICE and when selected presents a numeric keyboard for the entry of the total price (default = $0.00). For **Manual** PLUs this field is blank and disabled.

4.2.4.9. Shelf Life

The Shelf Life is represented by the number of days after the pack (current) date and can be in the range of 0 to 999 (default = 0).

4.2.4.10. Use By Day

A numeric keyboard is presented for the entry of the use by (eat by) days. The value is represented by the number of days after the pack (current) date and can be in the range of 0 to 999 (default = 0).

4.2.4.11. Group

A numeric keyboard is presented for the entry of the group number (1-500). Once a group number is assigned in a department, it cannot be used by any other department. When the groups are listed (through the numeric keyboard) or printed, only the groups for the chosen department will be displayed. If a new group number is chosen that is already in use by another department, a **GROUP NUMBER ALREADY ASSIGNED** message will display and you must choose a different group number. When a new group number is entered, the alphanumeric keyboard will display for the entry of a 10-character group name.

4.2.4.12. Grade

A numeric keyboard is presented for the entry of the grade number (1-16) or touch LIST to choose from the list of grade records.

4.2.4.13. Text Number

A numeric keyboard is presented for the entry of the text number (1-999999).

4.2.4.14. NF (Nutrition Facts) Number

A numeric keyboard is presented for the entry of a Nutrition Facts record number (1-999999).

4.2.4.15. GR (Graphics) Number

A numeric keyboard is presented for the entry of a Graphics number (1-999999) corresponding to a graphics image resident in the Master. Graphics images are created in a graphics program that can create and edit raster images and save them as monochrome (black and white) PCX files up to approximately 6k. The graphic images are assigned a number and downloaded to the Master through a host. Refer to the MT SmartX manual for more information about downloading graphics images.

4.2.4.16. Action Code

A numeric keyboard is presented for the entry of the Action Code (1-50). An Action Code will perform some function when the PLU is called. Action Code setup and functions are described later in this section.

4.2.4.17. Barcode Type

Touch the desired bar code type to select UPC, EAN, or RSS.

Barcode Prefix

Select the barcode prefix.

0 Type 0 Prefix (No price is encoded)

1 Type 1 Prefix (No price is encoded)

2 Type 2 Random-Weight. Item number/total price encoded.

3 Type 3 Prefix (No price is encoded)

4 Type 4 Prefix (No price is encoded)

5 Type 0 Prefix (No price is encoded)

6 Type 6 Prefix (No price is encoded)

7 Type 7 Prefix (No price is encoded)

8 Type 8 Prefix (No price is encoded)

9 Type 9 Prefix (No price is encoded)

When the SmartTouch® Master is configured for EAN barcodes, you will be asked to enter the EAN Flag 2 digit.

4.2.4.18. Barcode Format

UPC Formats	EAN Formats
NNNNN C$$$$X	NNNNN N$$$$X
NNNNN 0$$$$X	NNNNN $$$$$X
NNNNN N$$$$X	NNNN$ $$$$$X
NNNNN $$$$$X	NNNNN C$$$$X
NNNNN C####X	NNNNC $$$$$X
NNNNN 0####X	NNNNN #####X
NNNNN N####X	NNNNC #####X
NNNNN #####X	

Figure 4-7: UPC and EAN Formats

When a Type-2 UPC Bar Code is selected or if the Bar Code is configured as EAN, the format of the symbol must be configured, as follows: (N=Item Number, C=Price/Weight Check Digit, $=Total Price, X=Bar Code Check Digit, #=Weight).

4.2.4.19. Blanked

A menu lists fields for which printed (label) output may be blanked. These are in addition to fields that may be blanked through the numeric keyboard. Touching the item in the menu toggles the state from Normal to Blanked. When all the fields have been set as desired, touch QUIT to return to the main edit screen. The data line for this item displays the items which have been toggled to Blanked: PACK - Pack Date, WEIGHT - Net Weight, UNIT - Unit Price, TOTAL - Total Price.

4.2.4.20. Turn Label

This field toggles between YES and NO. If YES, both labels will be rotated 90 degrees when applied by the applicator. (Used only by a SmartTouch Prepack Controller with Printer/Applicator.)

4.2.4.21. Date Forward

This field toggles between YES and NO. If YES, one will be added to the shelf life or use by date at the hour determined in Unit Setup, Change Time/Date. This function will advance the date one day for items packed late in the day.

4.2.4.22. Desc. Line 2

This field defines the size of lines 2-4 of the description lines. The line can be larger, smaller or the same size as the first description line.

4.2.4.23. Sat. Graphic

This field is for the entry of a satellite graphic number used only by the 8360 or 8361. There are fifteen (1-15) built-in graphics and the Safe Handling Panel on the Smart*Touch*® 8360 or 8361 satellite. See Chapter 9 for examples of the graphics images.

4.2.4.24. Label Style

This field presents a numeric keyboard for the entry (0-15) of label styles. This number indicates which style of label will be printed for this PLU. Style 0 is the default format configured at the satellites. Styles 1-15 will override the default style for a PLU. When FlexEAN enabled, entry of 0-7 will use UPC codes. Entry of 8-15 style will cause EAN barcodes to print on the label.

4.2.4.25. DayGlo No.

This field is the linked graphics number for the 317 DayGlo label which may be printed on Printer 2 of the Prepack Controller. Satellite graphics are not available on DayGlo labels. Graphic Images are downloaded to the master from a host program such as Intelli-Net®.

4.2.4.26. Security Lab

The Security Label field is used by the Prepack Controller with a Model 702 Bottom Applicator to select whether to apply (Yes) or not apply (No) a bottom label. This feature does not work with the Model 702 Standalone with the Model 602 Labeler.

4.2.4.27. Sp. Price Type

After highlighting "Sp. Price Type" the following screen will appear for you to make a selection.

Figure 4-8: Frequent Shopper Type Selection Screen

4.2.4.28. Special Pricing TYPE Selection Screen

Feature Price	XXXX.XX - This is a "LIST PRICE" (similar to a Mfg. Suggested List Price). The amount entered is always higher than the PLU unit price.
Member Price	XXXX.X - Discounted price for By-Weight, By-Count, or Std. Pack PLUs.
Percent Discount	1 – 99% - A percentage off the Total Price for By-Weight, By- Count, or Std. Pack PLUs.
Discount Per Pack	XXXX.XX - This is a specific amount off the Package Total Price for By-Weight, By-Count, or Std. Pack PLUs.
Discount Per Unit	
None	The value will default to zero and editing is disabled.

4.2.4.29. Special Price

After touching Special Price a keypad will display to enter the discount amount.

Once a selection for "Special Pricing Type" has been made and you wish to make a change, simply touch SPECIAL PRICING in the Master Edit PLU screen to display the keypad. Touch CLEAR to void any special pricing entries.

The "List Price" is always a higher value than the regular unit price. It is similar to a "Mfg. Suggested Retail Price". Using this type of pricing will not require the POS software to make any new calculations. The regular total price (the lower amount) will print in the barcode and the customer receives the discounted total price.

PLU #1145 Beef for Stew

Unit Price $1.49 per lb.

List Price $2.00 per lb.

The Total price will appear in the bar code and be charged to the customer. The higher "List price" will also print on the label.

4.2.4.30. Portion

Enter the value of a portion for one serving size for this product.

4.2.4.31. Force COOL

Select YES to force an operator at the scale to select a COOL (Country of Origin) text every time the PLU is called. NO allows programmed COOL without requiring the operator to manual select one.

4.2.4.32. Tracking

This field toggles between YES and NO. If YES, the operator will be prompted to enter a tracking number in the PLU transaction screen.

4.2.4.32.1. COOL Text Number

Enter the COOL text you wish associated with the product.

4.2.4.32.2. Production Text Number

Enter the production text you wish associated with the product.

4.2.4.32.3. Country Text Number

Enter the country text you wish associated with the product.

4.2.4.32.4. Pre Text Number

Enter the pre-text you wish associated with the product.

Figure 4-9: COOL Text

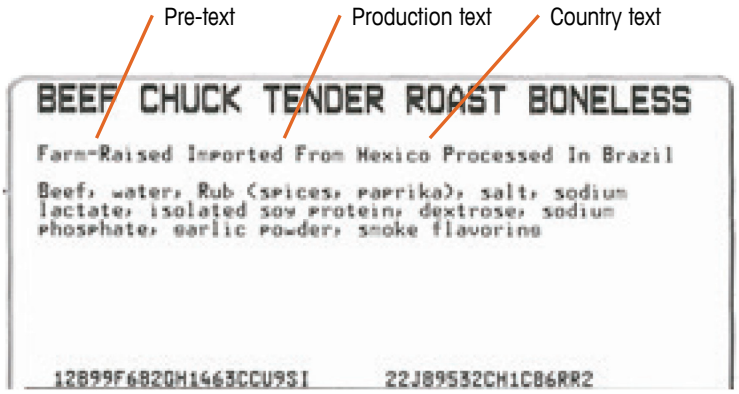


Figure 4-10: COOL Text Detail

4.2.4.32.5. TLV Number

Using the keypad, enter the Tag Length Value (TLV) reference number you wish to have associated with the product.

4.2.4.32.6. LG (Linked Graphic) Type One

This category is used to determine how the linked graphic is used. Options include – as Extra Text, Graphic and Large Graphic and also whether or not to print the linked graphic on the label.

4.2.4.32.7. LG One

Choose the number of the first linked graphic to reference

4.2.4.32.8. LG Type Two

This category is used to determine how the linked graphic is used. Options include – as Extra Text, Graphic and Large Graphic and also whether or not to print the linked graphic on the label.

4.2.4.32.9. LG Two

Choose the number of the second linked graphic to reference.

4.2.5. Edit – Linked Records

Use this menu to edit linked records including Extra Texts, Nutrition Facts, COOL Text, etc.

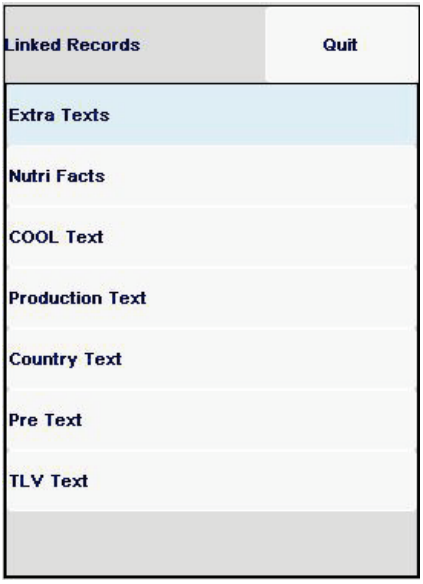


Figure 4-11: Edit Linked Records

4.2.6. Edit – Extra Texts

Extra text records are used for ingredients or additional printed information on the label. They are created in the Master Editor or a host program, and assigned to PLUs (up to six digits, 1-999999). Extra text records can be linked to more than one PLU in any department and can be linked together (Chained).

When prompted, enter the Extra Text record number you wish to edit.

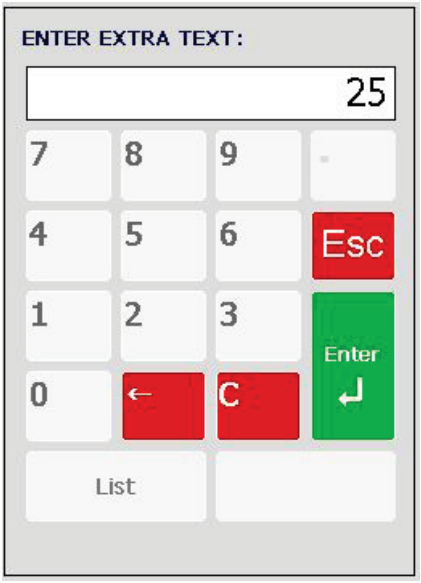


Figure 4-12: Extra Text Record Number Entry

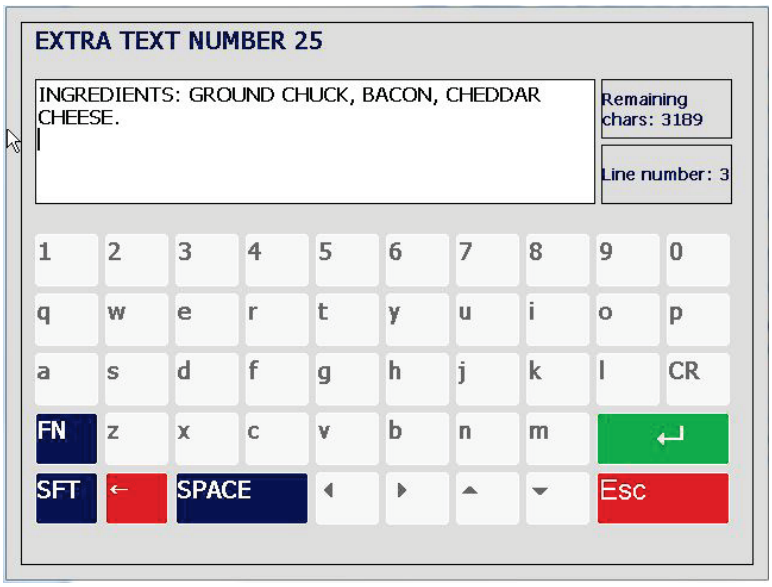


Figure 4-13: Extra Text Entry

Type your changes then press Enter to save your edits or Esc to quit without saving.

4.2.7. Add – Extra Texts

To add a new Extra Text record, enter an unused number. A TEXT RECORD NOT FOUND message will appear with 3 options. Touch ADD EXTRA TEXT then enter the number of characters per line (1-54, 42 default) and type in the text on the editor screen. Touch COPY FROM TEXT RECORD to copy a record, or touch CANCEL to return to enter another extra text number.

4.2.7.1. Bold and Underlined Text

Bold and underlined text can be embedded into the text record using special characters. The shift into bold font character is the 2 characters <<. The shift out of bold font character is the character pair >>. The shift into underline is the underline character "_" and the shift out is a following underline character "_". The bold and underline can be combined to print bold and underlined text.

- If the << is encountered without the corresponding >>, the entire remaining text is bolded.
- If the >> is encountered before the corresponding <<, no bolding effect occurs
- Note: The two pairs << and >> cannot be printed on a label.
- Bold and underline can be used together. <<<_Bold_>>> or <_<< Bold>>_> will give the result Bold.

4.2.7.2. Chain Extra Text

To chain Extra Text records, do the following in the Extra Text Editor:

Type <ESC>+ nnnnnnT<ESC>+ nnnnnnT…where nnnnnn is the extra text record.

When printed on a label, the text will look like it is from one record.

4.2.8. Edit - Nutrifacts

Nutrition Facts records are used to print nutrients, vitamins, minerals and dietary information. Nutrition Facts are created and edited in the Master Editor and assigned to PLUs through their identification number (1-999999). Nutrition Facts records can be linked to more than one PLU in any department. To edit Nutrition Facts records, touch EDIT followed by NUTRITION FACTS to display the numeric keyboard for the entry of a Nutrition Facts number or choose from the List.

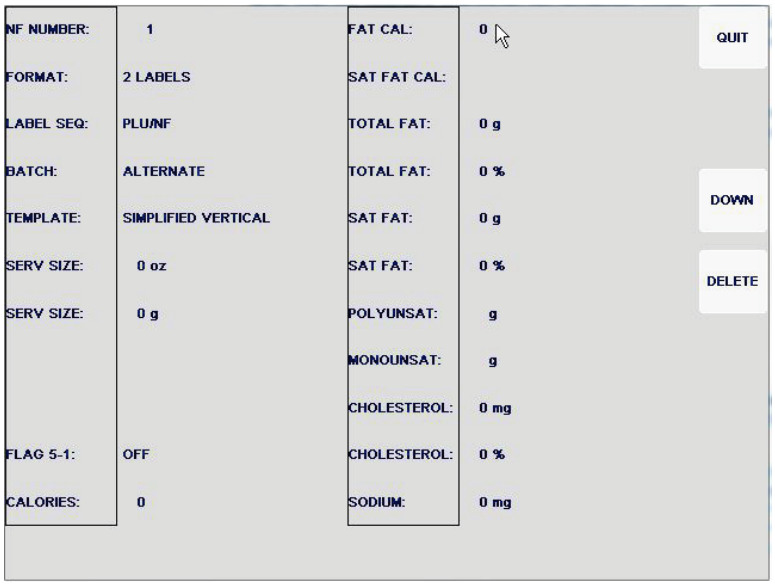


Figure 4-14: Edit Nutrifacts

Touching **UP** or **DOWN** (when available), moves up or down one page.

To **EDIT** a field, touch that field and follow the editing instructions.

Touching **DELETE** displays a confirmation screen. Touch YES to delete the record and return to the numeric keyboard or NO to return to the Nutrifact Edit screen.

After editing the record, touching QUIT displays a **SAVE CHANGES** prompt. Touch YES to save changes and exit, NO to exit without saving changes, or CANCEL to return to the Nutrition Facts Edit screen.

Touching **DELETE** displays a confirmation screen. Touch **YES** to delete the record and exit, or **NO** to return to the edit screen. The **DELETE** key is only available when editing existing NF records.

4.2.9. Add - Nutrifacts

To add a new Nutrition Facts record, enter a number that has not been used for a Nutrition Facts record through the numeric keyboard. The Select Label Format Screen will display.

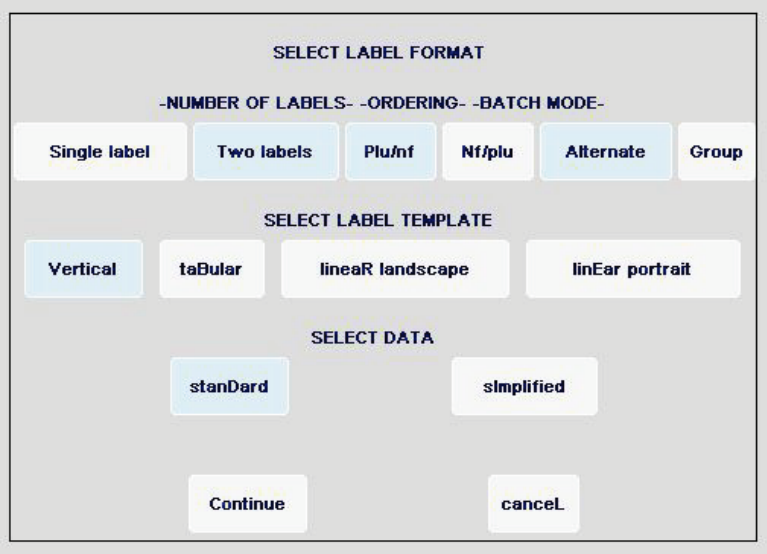


Figure 4-15: Select Label Format

Adjust all of the parameters to the desired values, and touch CONTINUE when finished. To return to the Nutrition Facts numeric keyboard without creating a record, touch CANCEL.

4.2.9.1. Number of Labels

Select the appropriate number of labels, **Single label** or **Two labels** by touching the corresponding box. With a single label, the printer will use the label format assigned by PLU type. The user must create custom format labels for each PLU type with the required PLU and Nutrition Facts information. This function is not operational in the Models 8360/8361/8460 since dual labels are not functional. With two labels, the printer will perform as if a single label were selected.

4.2.9.2. Ordering

This option will only be present when a Two Label record has been selected. Touch **Plu/nf** to print the PLU label first and the Nutrition Facts label second or **Nf/plu** to print the Nutrition Facts label first and the PLU label second. This function is not operational in the Models 8360/8361/8460 since dual labels are not functional.

4.2.9.3. Batch Mode

This option will only be present when Two Labels have been selected and only applies when multiple 2 label sets are being printed. (Multiple sets are printed when Standard Pack or By Count PLUs have the **<No. of Labels>** set to a value that is greater than one.) Touch **<Alternate>** to alternate the printing of the PLU and Nutrition Facts labels or **<Group>** to print all of the PLU labels together and all of the Nutrition Facts labels. This function is not operational in the Models 8360/8361/8460 since dual labels are not functional.

4.2.9.4. Select Label Template

The Label Template determines how the data is printed and which data is printed. Touch the appropriate box to determine the template for the Nutrition Facts label.

4.2.9.4.1. Vertical

The vertical template is a variable length template printed with text perpendicular to the direction of label movement. It can use either the standard data set or the simplified data set. To specify the following formats, select the **Vertical** template, then select either the **standard** or **simplified** data type.

4.2.9.4.2. Vertical Standard

The Vertical Standard format is the normal format used for Nutritional information. All other formats are variations of this format and can only be used in special applications. See 21 CFR part 101.9(d). The Vertical Standard format includes all of the required fields and those voluntary fields that do not have a blank value. This format also has a footnote that includes the recommended Daily Value for a 2000 and 2500 calorie diet.

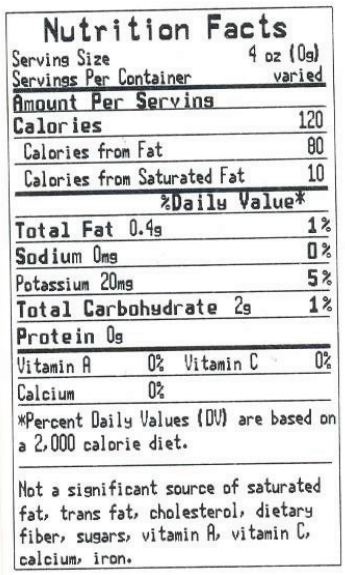


Figure 4-16: Vertical Standard Nutrifacts Format

4.2.9.4.3. Vertical Simplified

The Vertical Simplified format can be used in place of the Vertical Standard format when one of the following conditions are met:

1. The food contains insignificant amounts of 7 or more of the required items not including "Calories from saturated fat".
2. The food is intended for a child less than 2 years of age and contains insignificant amounts of 6 or more of the required items not including "Calories from saturated fat", "Saturated Fat", and "Cholesterol".
   * See 21 CFR part 101.9(f).

The operator must determine if the conditions are met. The Vertical Simplified format includes all of the required fields and those voluntary fields that do not have a blank value. The required fields that are indicated by an asterisk in the Nutrition Fields chart will not print in the main Nutrition Facts table when they are present in insignificant amounts, but will print in the footnote. This footnote lists all of the required fields that are present in insignificant amounts following the words "Not a significant source of . . ." .

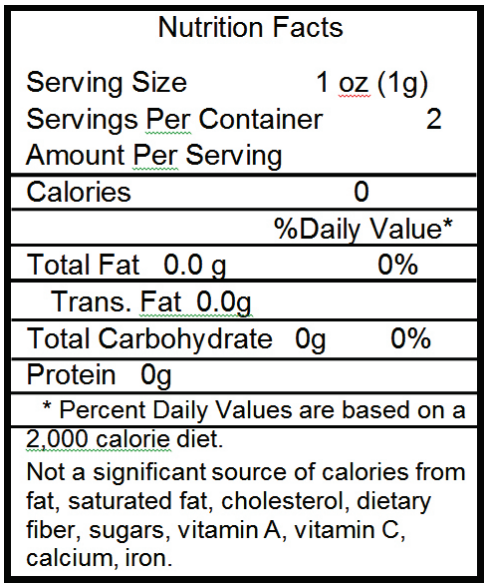


Figure 4-17: Vertical Simplified Nutrifacts Format

Tabular Simplified

The Tabular template is a *fixed width* and *fixed length* template printed with text parallel to the direction of label movement. The tabular simplified format prints all of the required fields and none of the voluntary fields.

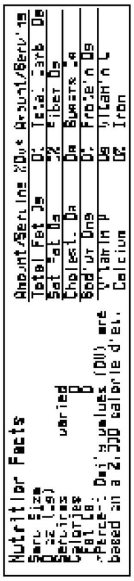


Figure 4-18: Tabular Simplified Nutrifacts Format

Linear Landscape (Standard)

The Linear Landscape template is a variable width template printed with text parallel to the direction of label movement. The Linear Landscape format includes all of the required fields and the voluntary fields that do not have a blank value.

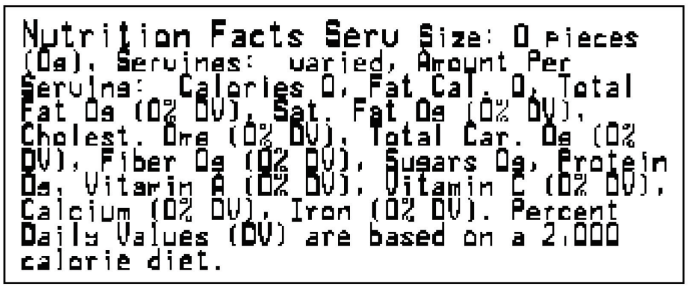


Figure 4-19: Linear Portrait Nutrifacts Format

Linear Portrait

The Linear Portrait template is a *variable length* template printed with text perpendicular to the direction of label movement. The Linear Portrait format includes all of the required fields and the voluntary fields that do not have a blank value.

Narrow Horizontal 3-column

The Narrow Horizontal template is printed with text parallel to the direction of label movement. This format includes all of the required fields and the voluntary fields that do not have a blank value.

- **Note**: the label Width must be set to **64.1**.

Canadian Nutrifact Format

This Nutrifact template adheres to Canadian regulations and has an optional "Sugar Alcohol" line.
Note: this format is only available in Canada.

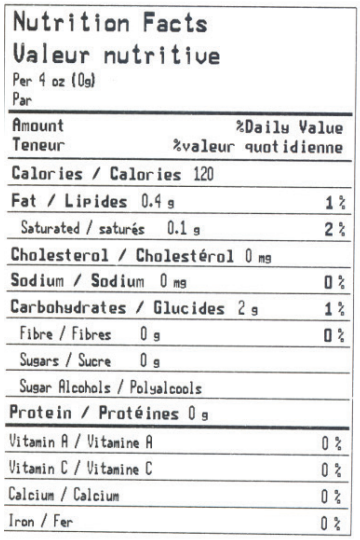


Figure 4-20: Canadian Nutrifacts Format

4.2.9.5. Select Data

The chart below lists the fields that are required (R) and voluntary (V) along with the insignificant value (when applicable).

* = For the Vertical Simple template, these fields are not printed in the main Nutrition Facts table when they have insignificant values. They are printed in the footnote, following the words "Not a significant source of . . ." with the other fields that contain insignificant amounts. See 21 CFR part 101.9(f).

Table 4-1: Nutrition Facts Fields

Nutrition Field	Type	Insig. Amount
Calories	R	<=5
Calories from fat	R	<=5*
Calories from saturated	V	
Total fat (g)	R	<=0.5
Total fat (%)	R	
Saturated fat (g)	R	<=0.5
Saturated fat (%)	R	
Polyunsaturated fat (g)	V	
Monounsaturated fat(g)	V	
Trans Fatty Acid (g)	R	<=0.5
Trans Fatty Acid (%)	R	
Cholesterol (mg)	R	<=2*
Cholesterol (%)	R	*
Sodium (mg)	R	<=5
Sodium (%)	R	
Potassium (mg)	V	
Potassium (%)	V	
Total carbohydrate (g)	R	<=1
Total carbohydrate (%)	R	
Dietary fiber (g)	R	<=1*
Dietary fiber (%)	R	*
Soluble fiber (g)	V	
Insoluble fiber (g)	V	
Sugar (g)	R	0*
Sugar Alcohol	V	
Other carbohydrates (g)	V	
Protein (g)	R	<=1
Protein (%)	V	
Vitamin A (%)	R	<=2%*

Nutrition Field	Type	Insig. Amount
Beta-carotene (%)	V	
Vitamin C (%)	R	<=2%*
Calcium (%)	R	<=2%*
Iron (%)	R	<=2%*
Vitamin D (%)	V	
Vitamin E (%)	V	
Thiamin (%)	V	
Riboflavin (%)	V	
Niacin (%)	V	
Vitamin B6 (%)	V	
Folate (%)	V	
Vitamin B12 (%)	V	
Biotin (%)	V	
Pantothenic acid (%)	V	
Phosphorus (%)	V	
Iodine (%)	V	
Magnesium (%)	V	
Zinc (%)	V	
Copper (%)	V	

The master will prompt you for all of the *fields (required *and* voluntary) in a Nutrition Fact record. In all cases, it is the responsibility of the operator to enter the correct values, paying special attention to units and increments. The scale will simply print the information that is entered with the unit symbol for the units that were requested without doing a "validity check" of any type.

When entering data through the numeric keyboard, touching BLANK for a required field will set the value to zero, while touching BLANK for a voluntary field will leave the field blank and it will not be printed. In general, the fields followed by a "%" sign refer to the Percent Daily Value for that field based on a 2000 calorie diet. This calculation is *not* checked within the scale.

If at any time you want to exit the editing screens, touch CLEAR (or CANCEL from the alphanumeric keyboard) until the SAVE CHANGES prompt appears. At this point, touch YES to save the record (unmodified fields will stay at their default values), or touch NO or CANCEL to exit without saving the record.

If all of the fields have been modified (or blanked), the SAVE CHANGES prompt automatically appears. Touch YES to save or touch NO or CANCEL to disregard all of the data entered. Touching CANCEL displays the SAVE CHANGES prompt. Touch YES to save or touch NO to disregard any data entered. Either situation will return to the Nutrition Facts Number numeric keyboard.

Touching OZ or PIECES presents a numeric keyboard for the entry of the number of ounces/pieces, followed by a numeric keyboard to enter the serving size in grams. (FDA rules specify the conversion 1 oz. = 28 grams. The scale does not check this calculation.) The scale then automatically calculates the Servings per Container.

Touching TEXT prompts you to enter the serving size (limit is 28 characters or less depending on the template used) followed by the number of servings per container (limit 10 characters).

4.2.10. Edit COOL

COOL consists of COOL Text, Production Text, Country Text and Pre-Text records. To edit any of these types of COOL records, touch EDIT followed by the type of COOL record you would like to edit. Enter a COOL record number using the number keyboard or choose from the List.

Figure 4-21: COOL Text Number Entry

4.2.10.1. COOL Text

COOL Text records contain the complete statement of how the product was harvested and where it was harvested. Common examples of a COOL Text record are "Wild Caught" or "Product of USA".

Multiple COOL Texts can be chained together to give an operator more selections. This is useful for a retailer that purchases an identical product from multiple countries.

4.2.10.2. Production Text

Production text are statements in the list such as "Produced in", "Processed in". Production text is created the same way as COOL Text.

4.2.10.3. Country Text

Country text is a list of countries and the individual country names (literals). Country text and text lists are created the same as COOL Text as described above.

4.2.10.4. Pre Text

Pre Text is a word or phrase that prints before the COOL Text on a label. Pre Text is programmed into the PLU record and cannot be overridden by the operator. Pre text and text lists are created the same as COOL Text as described above.

4.2.10.5. TLV Text

Tag Length Value (TLV) Text is a reference number linking a PLU to its specific TLV information.

4.2.11. Add COOL

To add a new COOL record, enter a number that has not been used for a COOL record through the numeric keyboard. You will be prompted to add a new record, copy from an existing record, or Cancel.

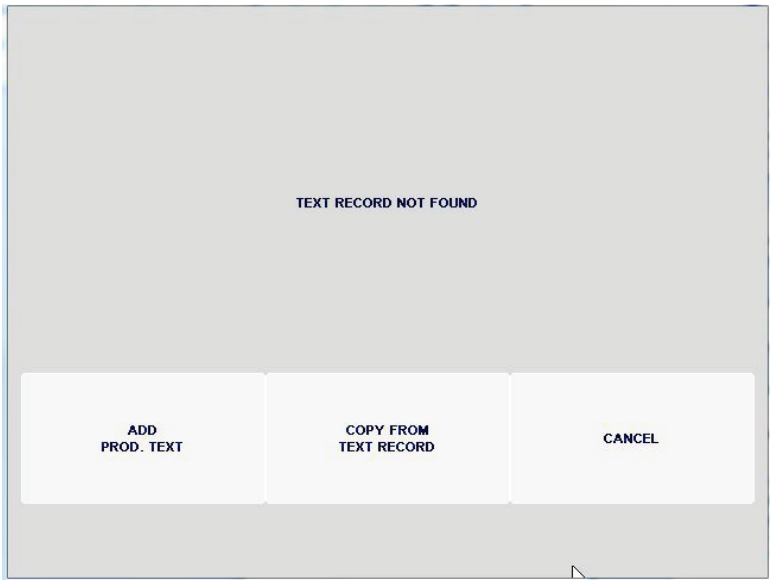


Figure 4-22: Add COOL Record

The Country Text, Production Text and Pre Text must first exist in the REM before they are linked together using the COOL Text record. The COOL Text that is presented at the scale is pulled from the lists that are created in the scale or transmitted from a host. The COOL Text must be in the 0-4999999 range. The 500000-999999 range is reserved for the COOL Text literals used to populate the lists.

COOL Text consists of a record (1-499999) that chains the literals (individual texts) together in a list that is used by the scale to populate the COOL Text lists locally in the scale. Different lists can be created for different types of products or locations and assigned to the PLU record.

COOL Text is created by chaining Text records from the Production, Country, and Pre text lists (similar to chaining Extra Text records).

Using the keyboard, enter the COOl text number(s) you wish to link. Enter in the + symbol between COOL text numbers to be linked.

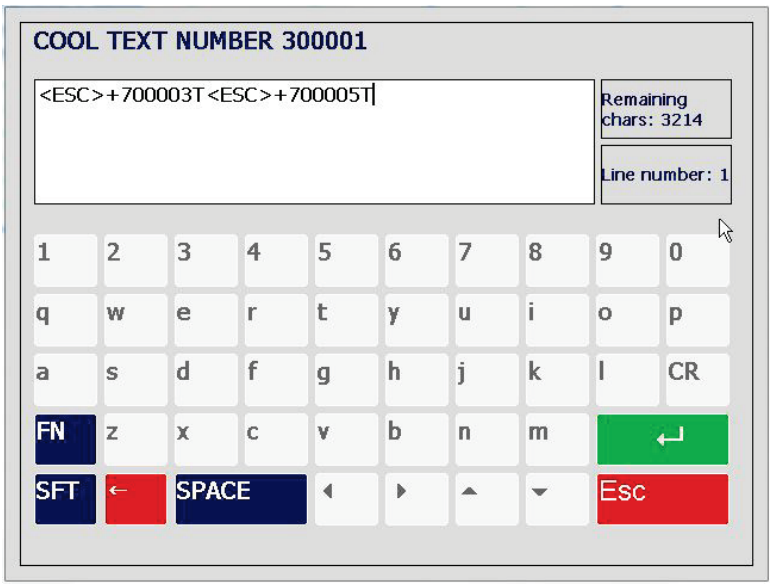


Figure 4-23: Linking COOL Text Numbers

After the COOL Text lists are created, the PLU record must be programmed with the correct numbers. The following image is screen 2 of a PLU record with COOL, Production, Country, and Pre text records assigned to the PLU record.

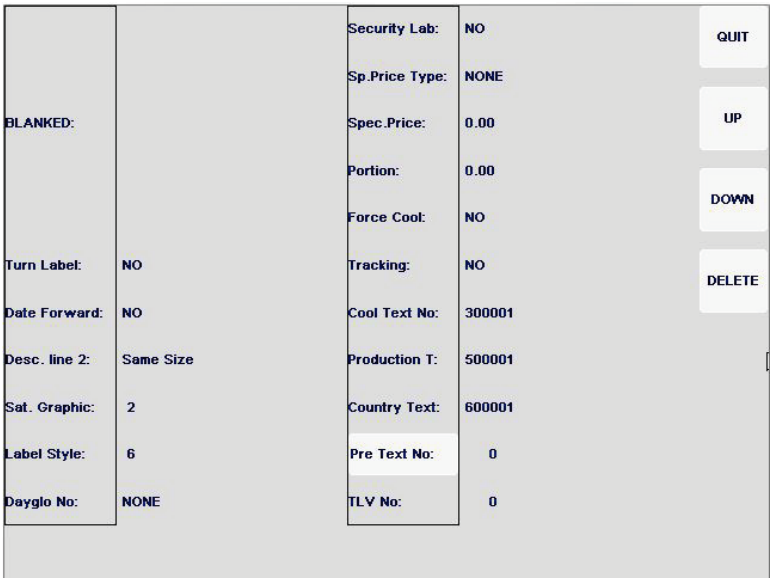


Figure 4-24: COOL Text Records Assigned to PLU

4.2.11.1. Action Code Record

Action codes currently have three different types defined. Type-1 action codes allow PLU descriptions to be overridden for the PLUs they are linked to. Type-2 action codes allow PLU store addresses to be overridden for the PLUs they are linked to. Type-3 action codes are used for marquee text (marquee not available on Models 8360/8361). Action code types 4-50 can be assigned but have no specific function associated with them.

Types 1 and 2 action codes are assigned to PLUs through their identification number (1-50) and can be linked to more than one PLU in any department. If an action code with a type other than 1 or 2 is linked to a PLU, it will be ignored. Type-3 action codes are downloaded to a satellite through the Unit Setup menu.

To edit action codes, touch EDIT followed by ACTION CODE RECORD to display the numeric keyboard for the entry of an Extra Text number.

All action code records default to Type-0, which is inactive. To create an active record, or edit an existing record, enter the action code record number or choose from the list (touch the LIST key).

A message will appear with the action code number, type, and three options. Touch CANCEL to return to the Action Code numeric keyboard, DELETE to delete the action code text and change the type back to 0, or EDIT to display the Action Code Selection screen.

Figure 4-25: Action Code Display

4.2.11.2. Assign Type

The Action Code Selection screen permits changing the action code type by touching the appropriate box. The SELECT OTHER TYPES box is available to create a new type (4-50) through the numeric keyboard. After a type is assigned, the "title box" will change to reflect the type chosen.

4.2.11.3. Edit Text

To edit the text, touch one of the TEXT: boxes to present the alphanumeric keyboard. Enter the desired text, then touch ENTER. The text input will be two lines of 32 characters (TEXT1: and TEXT2:) for types 1 and 2, or one line of 63 characters (TEXT:) for type 3-50. If you attempt to save an action code that has text without assigning a valid type, you will receive the UNUSED ACTION CODES (TYPE 0) CAN NOT HAVE TEXT LINKED TO THEM message with the option to clear the text or change the type.

4.2.11.4. Save Changes

When all changes have been made, touch QUIT from the Action Code Selection screen. A SAVE CHANGES prompt will appear. Touch YES to save the changes and return to the numeric keyboard, NO to return to the numeric keyboard without saving, or CANCEL to return to the Action Code Selection screen.

4.2.11.5. Grade Record

Grade records are generally used to print meat grade or for special pricing changes or coupons. They are edited in the Master Editor, and assigned to PLUs through their identification number (1-16). The grade record can be linked to more than one PLU in any department.

To edit a Grade Record, touch EDIT followed by GRADE RECORD to display a list of the grade records.

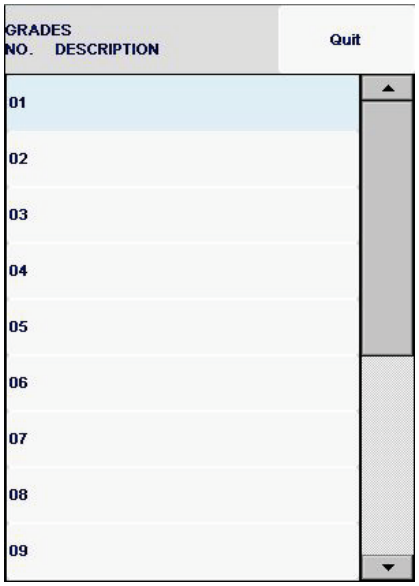


Figure 4-26: Grade Record List

From the list, use the paging keys to find the desired grade line and touch it to select. A message will appear with the grade number and three options: Edit, Delete, and Cancel. Touch CANCEL to return to the grade record list, DELETE to delete the text for the chosen grade number, or EDIT to edit the grade record text through the alphanumeric keyboard.

When editing text from the alphanumeric keyboard, key in the desired text (one line of up to 23 characters) and touch ENTER. A SAVE CHANGES prompt will appear. Touch YES to save the text and return to the grade record list, NO to return to the grade record list without saving the changes, or CANCEL to editing the Grade.

4.2.11.6. Group Record

Group records are used to form smaller groups within a department. Group records are edited in the Master Editor, and assigned to PLUs through their identification number (1-500). Once a group record is assigned to a PLU in a department, that group record can be used for another PLU within that same department, but cannot be assigned to a PLU in any other department.

To edit a Group Record, touch EDIT followed by GROUP RECORD to display a list of the group records for the department selected and uncommitted groups.

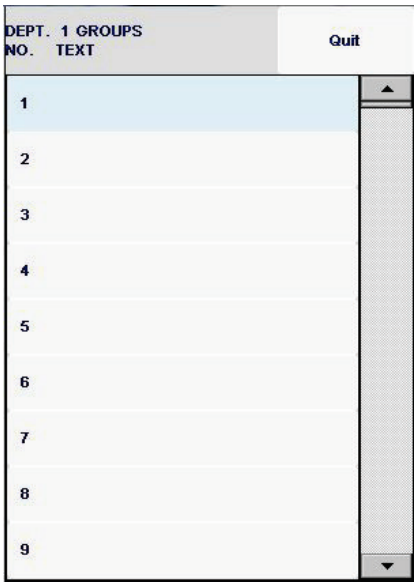


Figure 4-27: Grade Record Groups

From the list, use the paging keys to find the desired group line and touch it to select. A message will appear with the group number and three options. Touch CANCEL to return to the group record list, DELETE to delete the text for the chosen group number, or EDIT to edit the group record text through the alphanumeric keyboard.

When editing text from the alphanumeric keyboard, key in the desired text (one line of up to 12 characters) and touch ENTER. A SAVE CHANGES prompt will appear. Touch YES to save the text and return to the group record list, NO to return to the group record list without saving the changes, or CANCEL to return to the grade record list.

4.2.11.7. PLU Accumulators

PLU accumulators keep track of the transactions (including weight, value, count, and run) for the different accumulator types.

To edit the accumulators, touch EDIT followed by PLU ACCUMULATORS to display the numeric keyboard for the entry of a PLU number. Enter a PLU number through the numeric keyboard or choose from the list. The PLU Accumulator Edit screen will appear.

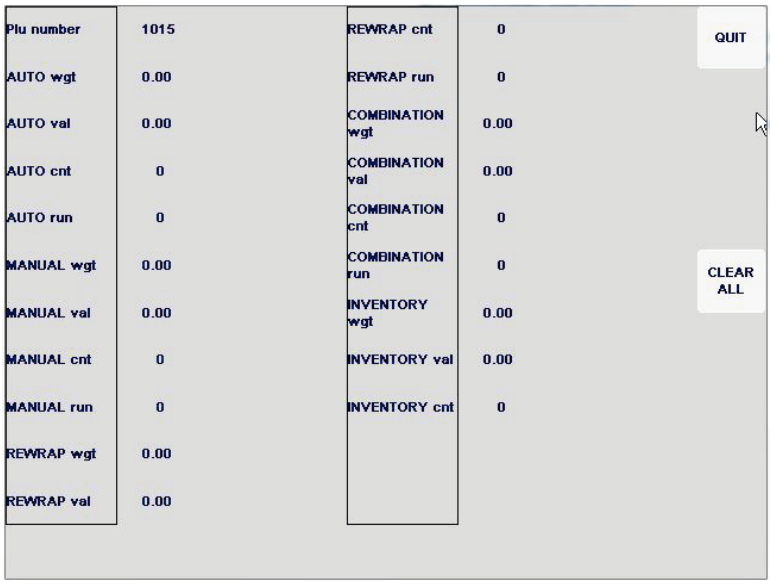


Figure 4-28: PLU Accumulators

Touch CLEAR ALL to clear all of the accumulators for that PLU (after confirmation). To edit one accumulator, touch that accumulator and make the changes through the numeric keyboard. (The PLU number is there for reference only and cannot be changed).

When finished making changes, touch QUIT. A SAVE CHANGES prompt will appear. Touch YES to save changes and exit, NO to exit without saving, or CANCEL to continue editing.

4.3. Master Editor, Clear Menu

4.3.1. Clear – All Accumulators by Department

To clear all of the accumulators in the current department, touch CLEAR followed by ALL ACCUM. BY DEPARTMENT to display a confirmation screen. From the confirmation screen, touch YES to clear the accumulators and return to the Master Editor Menu or NO to return to the Master Editor Menu without clearing.

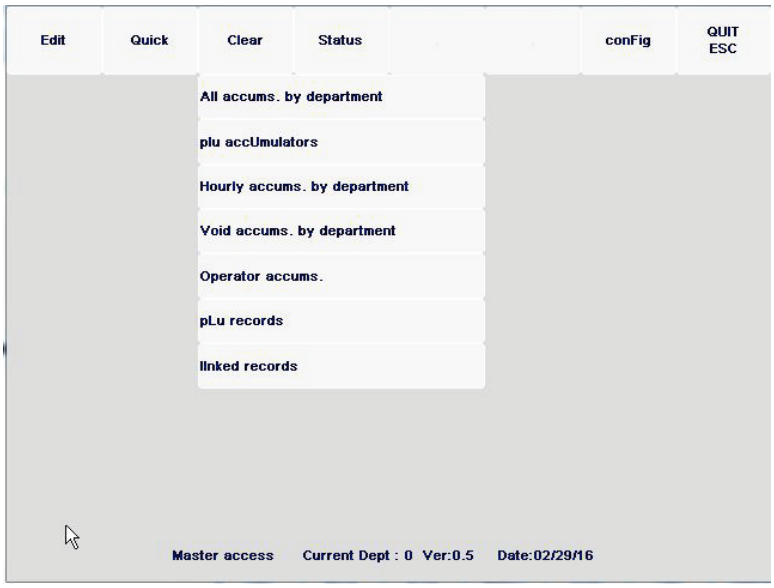


Figure 4-29: Clearing all Accumulators by Department

4.3.2. Clear – PLU Accumulators

To clear the PLU accumulators in the current department or by group, touch CLEAR followed by PLU ACCUMULATORS to display a confirmation screen. Select either BY DEPARTMENT or BY GROUP. From the confirmation screen, touch YES to clear the accumulators and return to the Master Editor Menu or NO to return to the Master Editor Menu without clearing.

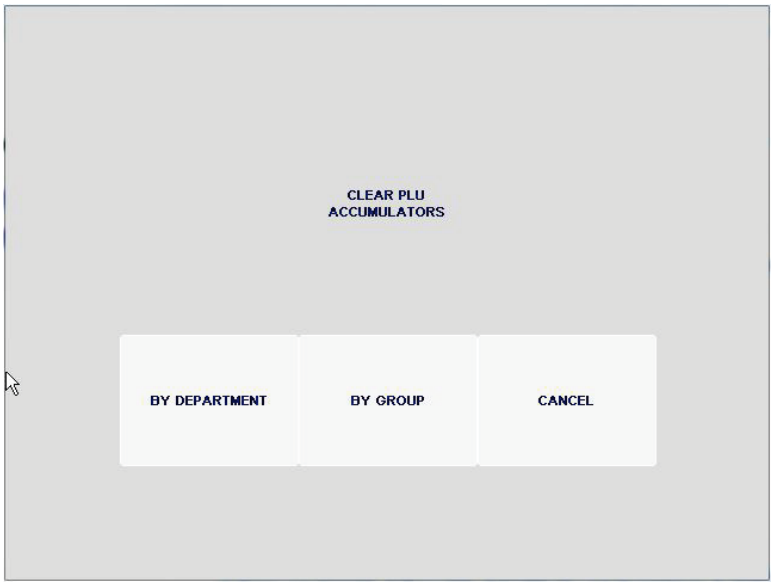


Figure 4-30: Clear PLU Accumulators

4.3.3. Clear – Hourly Accumulators by Department

To clear the hourly accumulators in the current department, touch CLEAR followed by HOURLY ACCUM. BY DEPARTMENT to display a confirmation screen. From the confirmation screen, touch

YES to clear the hourly accumulators and return to the Master Editor Menu or NO to return to the Master Editor Menu without clearing.

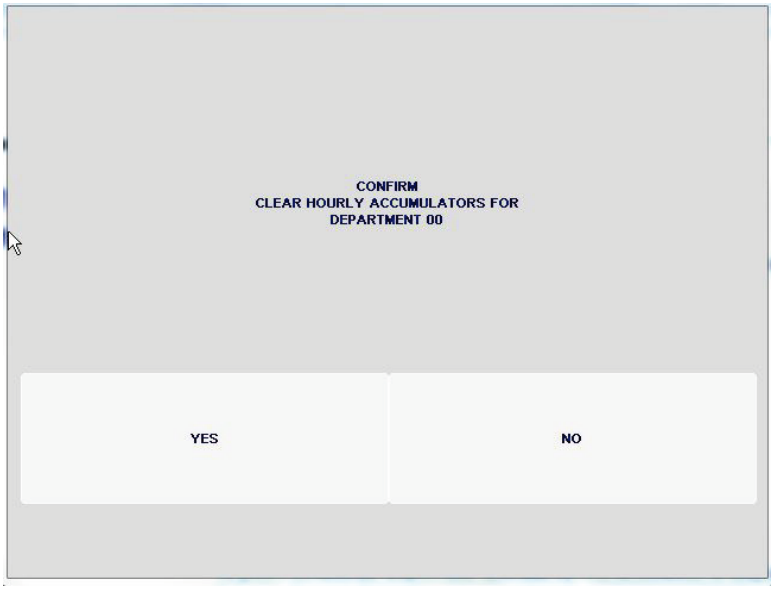


Figure 4-31: Clear Hourly Accumulators by Department

4.3.4. Clear – Void Accumulators by Department

To clear the void accumulators in the current department, touch CLEAR followed by VOID ACCUM. BY DEPARTMENT to display a confirmation screen. From the confirmation screen, touch YES to clear the void accumulators and return to the Master Editor Menu or NO to return to the Master Editor Menu without clearing.

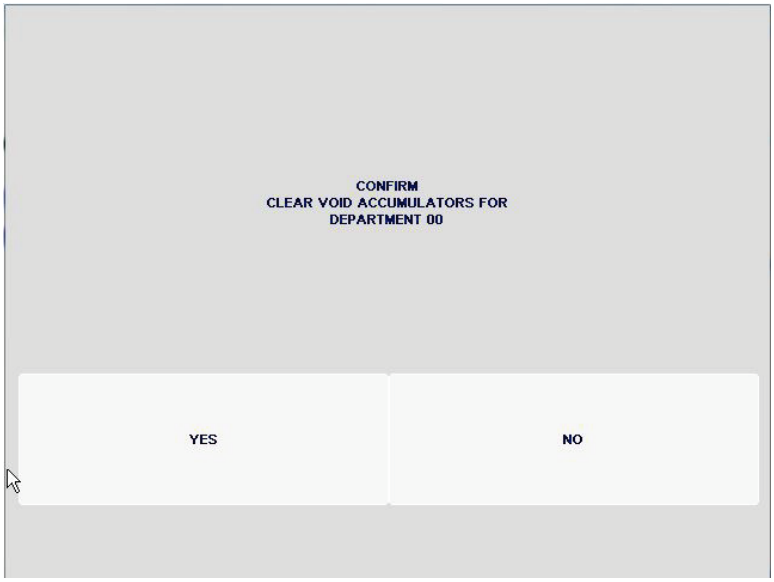


Figure 4-32: Clear Void Accumulators by Department

4.3.5. Clear – Operator Accumulators

To clear operator accumulators for a specified operator within the current department, touch Clear followed by OPERATOR ACCUM.. Enter the desired operator number through the displayed numeric keyboard. A **PLEASE WAIT** message will appear, followed by a confirmation screen. From the confirmation screen, touch YES to clear the accumulators or NO to return to the numeric keyboard without clearing. Note: If the operator number does not exist, you will receive an **OPERATOR NUMBER NOT FOUND** message. Touch the screen and select a new operator.

Figure 4-33: Clear Operator Accumulators

4.3.6. Clear – PLU Records

To delete all PLU records for the current department or a specified group, touch CLEAR followed by PLU RECORDS. A **DELETE PLU TYPES** message will appear with five options.

Touch CANCEL to return to the Master Editor Menu, ALL to delete all PLU records (after confirmation), or ACTIVE to delete all active PLU records (after confirmation), PENDING to delete all regular pending PLU and PCO pending records, or OBSOLETE to delete all obsolete PLU records. After selecting a PLU type, select to delete BY DEPARTMENT or BY GROUP, then and enter the department or group number. From the confirmation screen, touch YES to delete the PLU records and return to the **DELETE PLU TYPES** message or NO to return to the message without deleting.

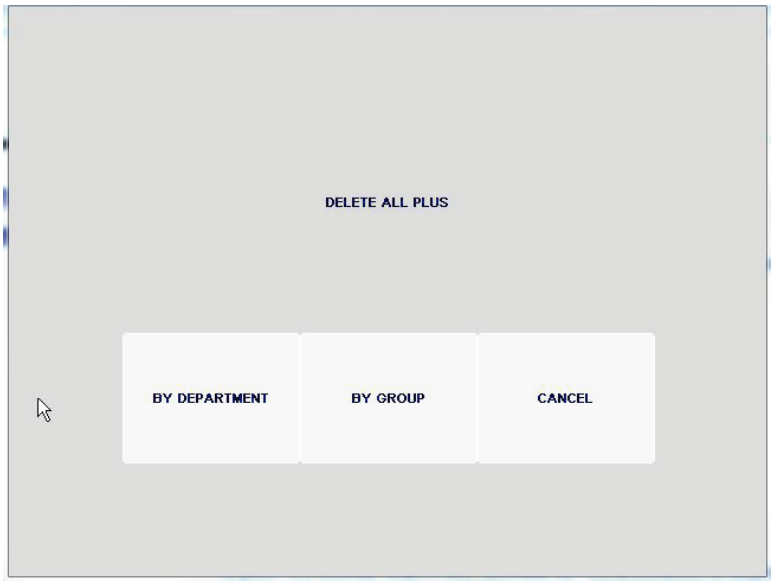


Figure 4-34: Delete All PLUs

4.3.7. Clear – Linked Records

You can clear any of the linked records from this menu. Linked records include:

- Extra Texts
- Nutri Facts
- COOL Text
- Production Text
- Country Text
- Pre Text
- Graphics

For example, to delete all of the Extra Text records, touch CLEAR, select Linked Records, followed by Extra Texts to display a confirmation screen. From the confirmation screen, touch YES to delete all of the Extra Text records and return to the Master Editor Menu or NO to return to the Master Editor Menu without deleting.

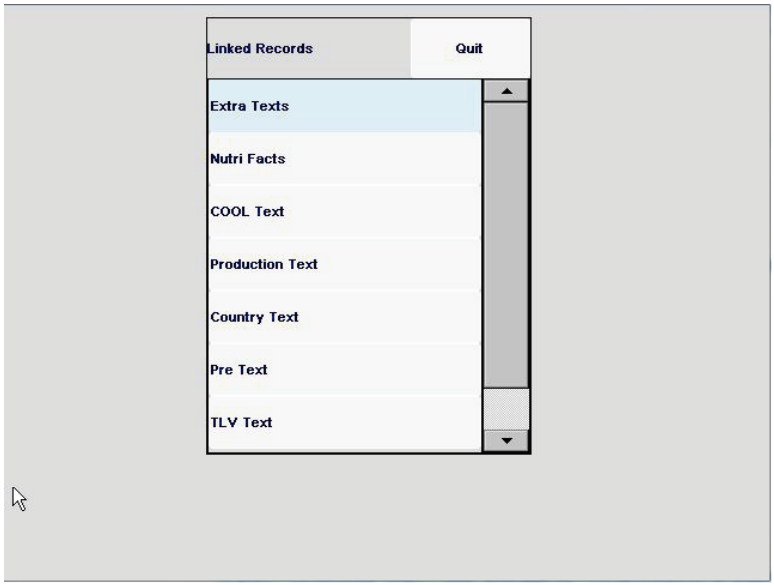


Figure 4-35: Linked Records Display

4.4. Master Editor, Quick Menu

4.4.1. Quick Edit Menu

The Quick Menu is used to make rapid changes to the individual fields of PLU records without having to go through the complete PLU record.

To change a specific field, touch QUICK followed by the field you want to change. Enter the PLU number through the numeric keyboard or choose from the list.

If there is no active PLU for the number you entered, the PLU NOT FOUND message will be displayed, otherwise a numeric keyboard requesting the new value (with the PLU number for reference) is presented.

From this keyboard, touching EDIT will take you to the PLU Edit Screen where all of the fields can be edited.

For details on the PLU fields, refer to Chapter 2.

Figure 4-36: Quick Edit Menu

The following fields can be modified using QUICK edits:

- Price
- Special Price
- Special Price Type
- Tare
- Shelf Life
- Use By
- Item Number
- Text Number
- Nutrifact Number

4.5. Config

4.5.1. Config Menu

The **Config Menu** contains options for configuration settings.

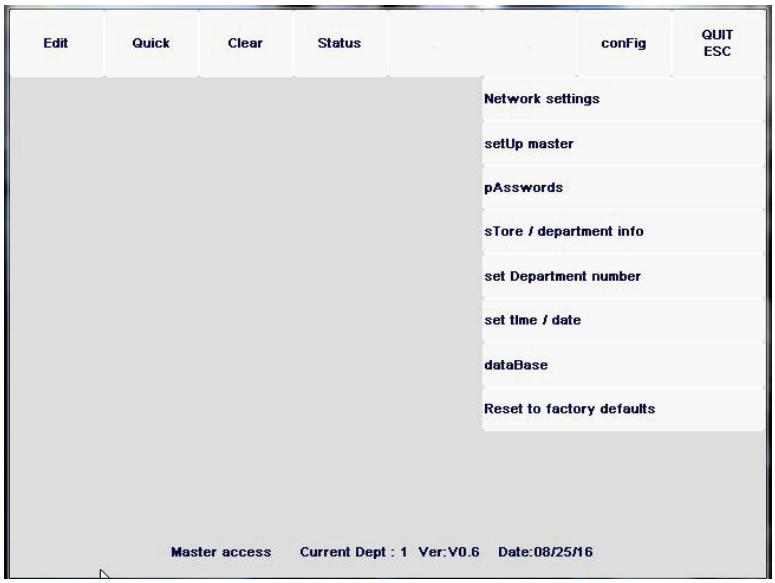


Figure 4-37: Config Menu

4.5.2. Network Settings

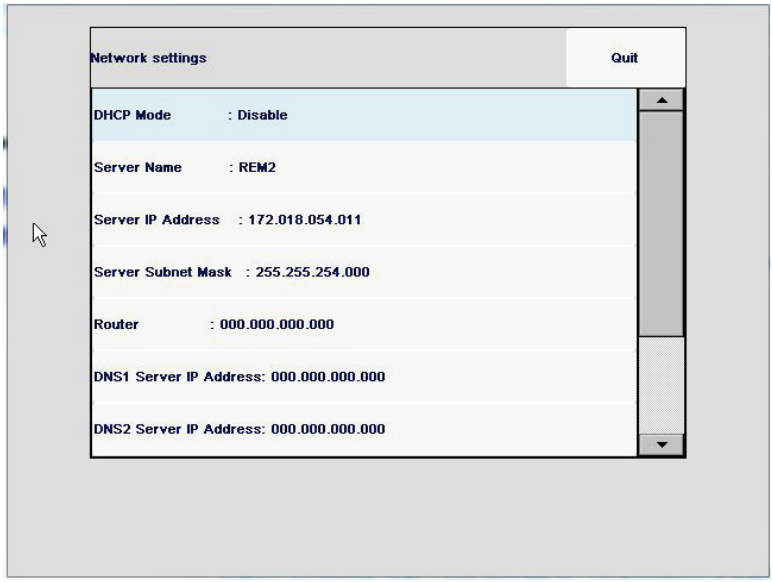


Figure 4-38: Network Settings

4.5.2.1. Setup Master

This section is used to define master defaults including Weighing Units (lb/kg), Weight Increment, Currency increment, Currency Symbol, Date Format, Date Separator, and Time Format. Touch the Page Down key to display Barcode Style, and Master IP Address.

The DHCP features will allow the client scale or scale server to obtain initial TCP/IP parameters from a DHCP or BOOTP server on the Ethernet network instead of manually setting these parameters.

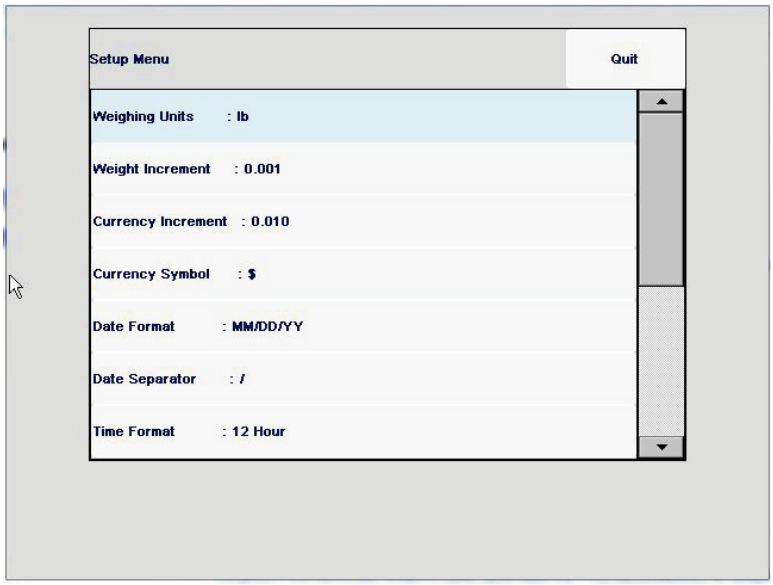


Figure 4-39: Setup Menu

4.5.2.2. Passwords

To change Master and Department passwords, touch CONFIG followed by PASSWORDS to display a list of passwords. (The Master Password will be first followed by all of the department passwords.)

Locate the password you wish to change and touch that line. Enter the new password (up to 4 digits) through the numeric keyboard. When finished editing passwords, touch QUIT to save the changes and return to the Master Editor Menu. Note: If the password is '0', then access to the Master Editor for that level can be gained by touching ENTER at the "Enter Password numeric keyboard" without entering a '0'.

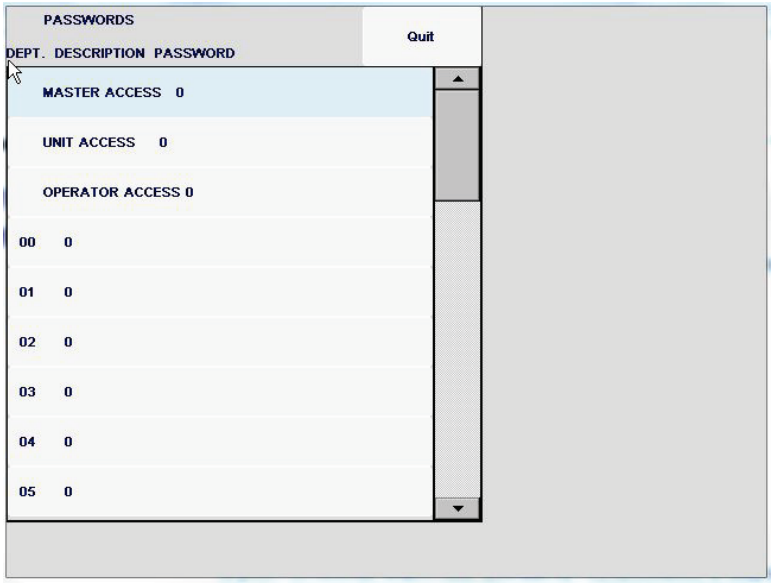


Figure 4-40: Passwords

4.5.2.3. Store / Department Info

Touch CONFIG followed by STORE / DEPARTMENT INFO to display the Information Edit screen.

To edit the field, touch the corresponding line and follow the editing instructions. When you are finished editing, touch QUIT to save the changes.

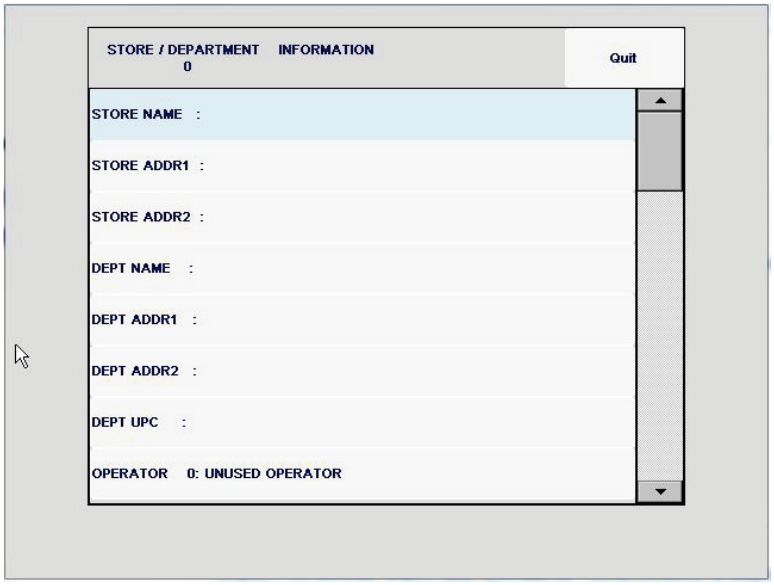


Figure 4-41: Store/Department Information

4.5.2.4. Set Department Info

The Set Department Number menu is used to specify the current department for editing PLUs, clearing accumulators, etc.

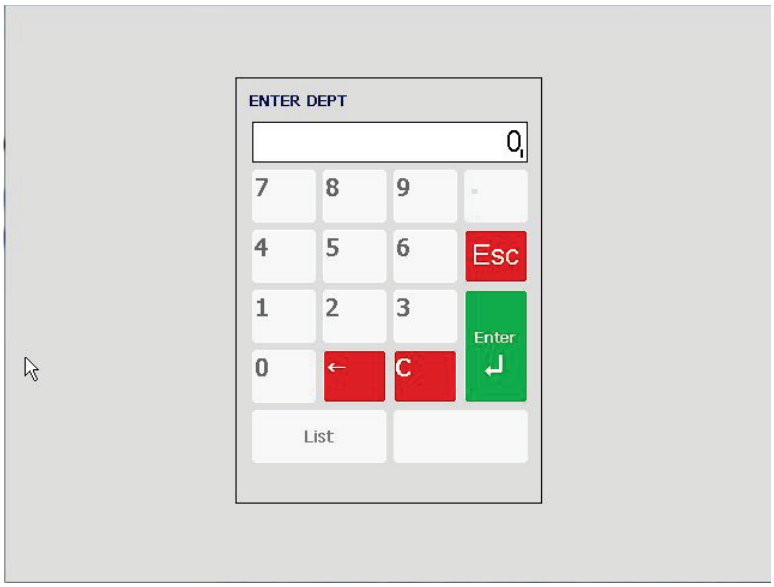


Figure 4-42: Set Time and Date, 1

Figure 4-43: Set Time and Date, 2

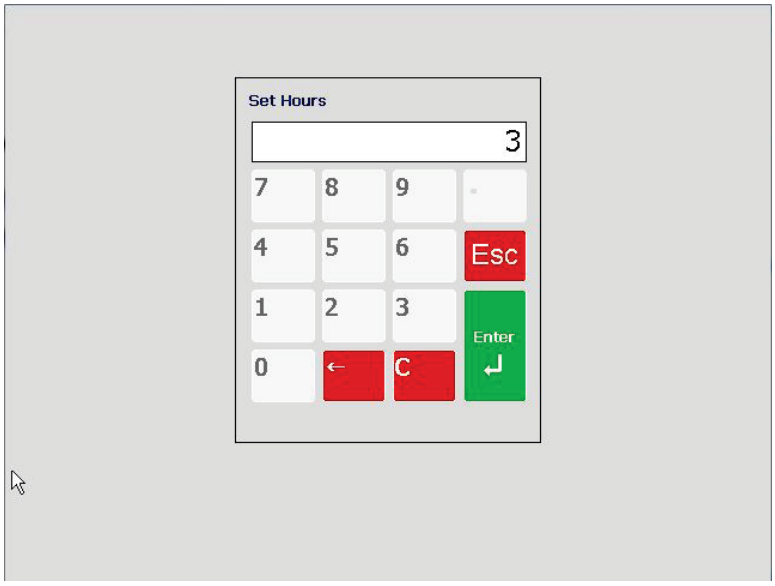


Figure 4-44: Set Time and Date, 3

4.5.2.5. Database

Reset to Factory Defaults

4.6. Status

4.6.1. Status Menu

The **Status Menu** shows system details, logs, and log levels.

Figure 4-45: Status Menu

4.6.2. System Status

The **System Status** menu displays various versions and addresses for the units such as IP address, firmware versions, processor information, number of records, connected clients, etc.

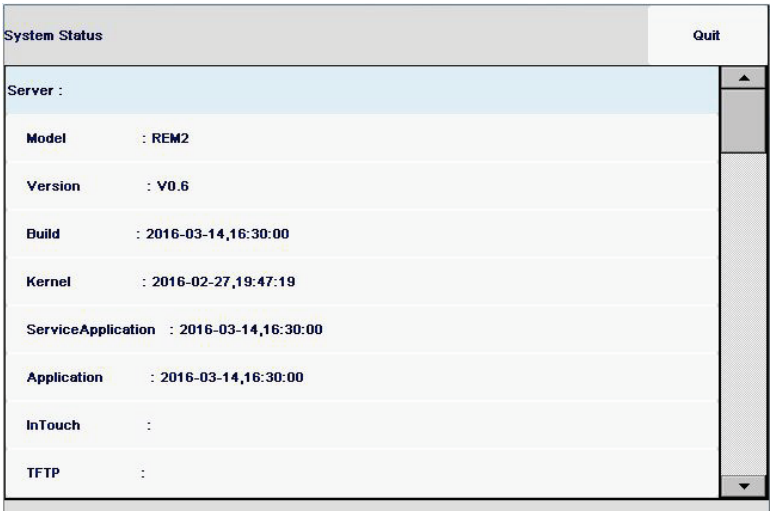


Figure 4-46: System Status

4.6.3. View Event Logs

This menu displays a comprehensive list of the actions taken to modify the parameters of the scale. Everything from on-and-off times to when specific PLU display modes were modified can be listed here, assuming you have the **Log Level** set high enough. This scrollable list can be limited by date or specific event type.

Figure 4-47: View Event Logs

4.6.4. View Error Logs

The **Error Log** displays any errors that have occurred within the timeframe selected.

Figure 4-48: View Error Logs

4.6.5. View Service Log

4.6.5.1. Log Level

The **Log Level** menu sets how comprehensive the log function is.

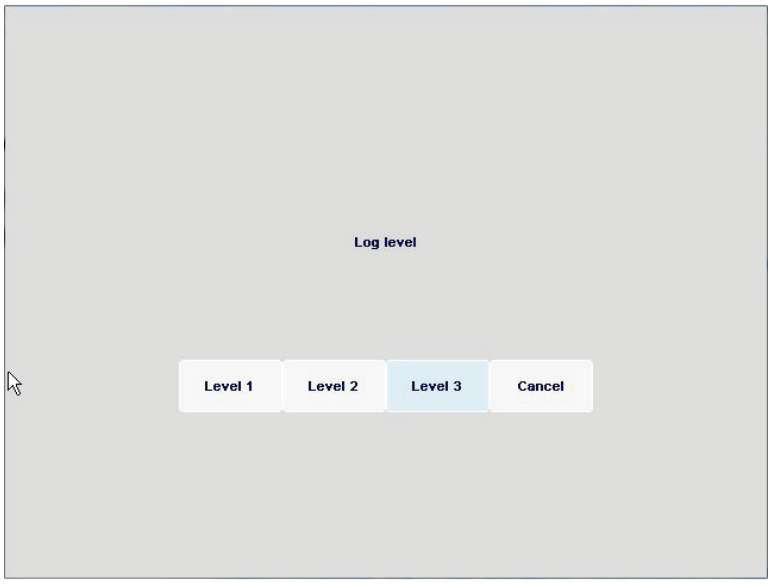


Figure 4-49: Log Level Setting

Level 1 is minimal and Level 3 is maximum log details.

Cutting Tests

4.7. Remote Access

4.7.1. Remote Access

There are three ways to access the REM for configuration and programming: Remote host, TNET Satellite, or Ethernet Client. However, if the REM is new, the network setup must first be performed using a TNET Satellite or by RS232 Serial Host using WinDataBack. The Ethernet Client and Ethernet Host will not work in this case because the network settings would not be configured yet.

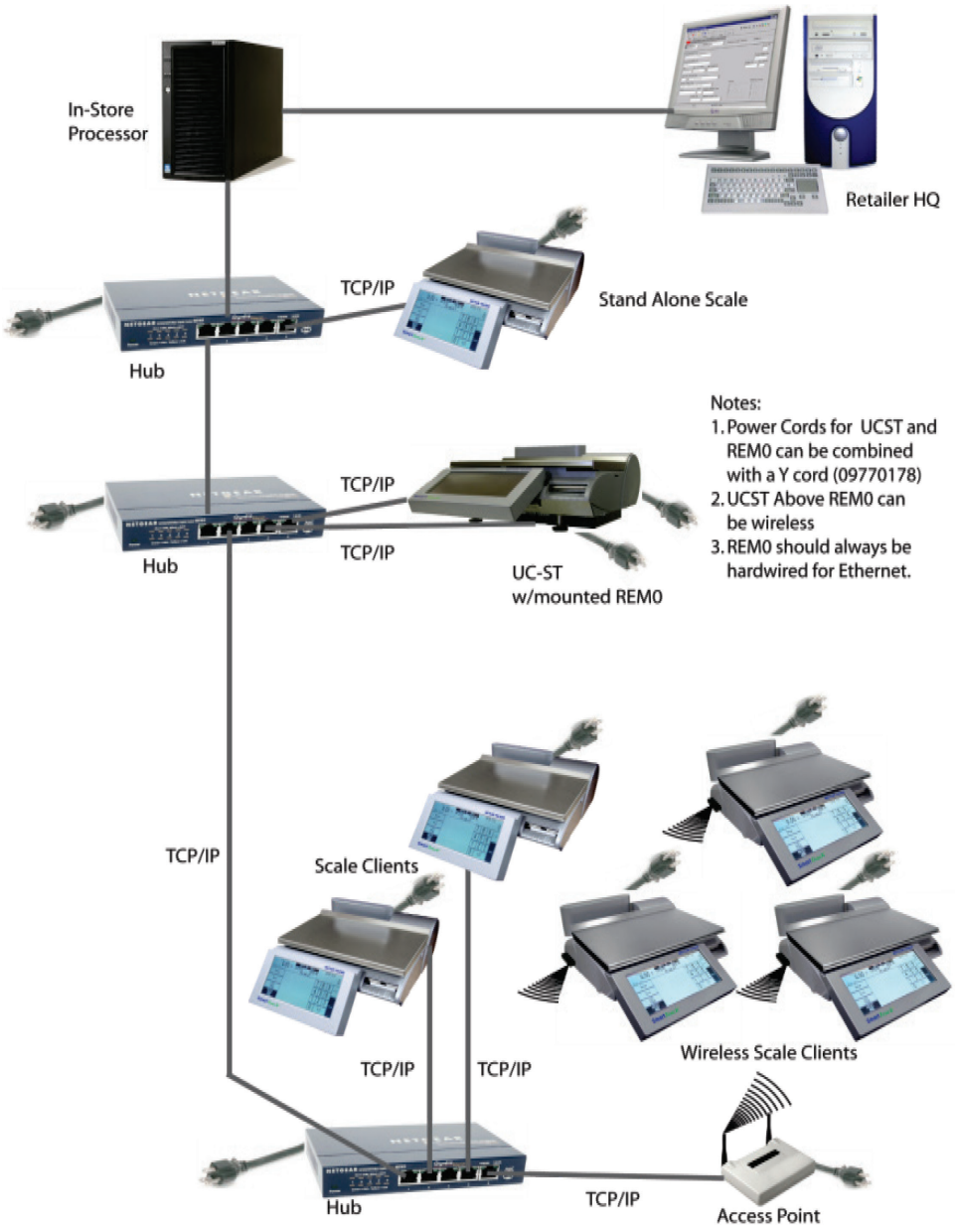


Figure 4-50: Remote Access

METTLER TOLEDO Service

To protect your product's future:

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