Software

# MT-SmartX

Scale Management
Software
User's Guide

**METTLER TOLEDO**

# METTLER TOLEDO

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**SmartX User's Guide**

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## Publication Revision History

| Part Number | Date | Revisions |
|---|---|---|
| 64086463 | 08/11 | New manual for Version 5.x. |
| 64086463 R01 | 05/12 | Correct Hobart Port in Chapter 3. LLC change. |
| 64086463 R02 | 10/13 | Version 6.0 Changes |

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# Contents

# 1      Introduction

## Overview

MT-SmartX is scale management software used to update scales with prices, sale prices, Nutrifacts, graphics, extra text, and more. MT-SmartX also provides management of both METTLER TOLEDO and Hobart Scale/Printer PLU (Price Look Up), Nutrition Facts and Extra Text Files. MT-SmartX gives you more centralized control over scales than ever before.

## Features

MT-SmartX is designed to run on the IBM™ PC or IBM compatibles using Windows NT®, Windows® 2008 Server, Windows® XP, Windows® Vista, or Windows® 7 - 32 or 64 bit operating systems.

MT-SmartX can be installed in one of three configurations depending on the license purchased. The differences between the versions are shown in the table below.

| Features | Scale Vision Mode | Single Store | Multi Store |
|---|---|---|---|
| Users | Single | Single | Up to 5 users |
| No. of Stores | 1 | 1 | Up to 200 |
| No. of Zones | 1 | 1 | Up to 99 |
| Scales Supported | Mettler Toledo and Hobart | Mettler Toledo and Hobart | Mettler Toledo and Hobart |
| Communication Protocol | TCP/IP RS232 | TCP/IP RS232 | TCP/IP RS232 |
| User Interface GUI | Minimal | Full SmartX | Full SmartX |

MT-SmartX includes the Sybase® SQL-Anywhere relational database providing multi-user capabilities and easy access to scale information.

## Trademarks

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# Architecture

MT-SmartX can be used as a stand-alone application or on in client/server applications.

MT-SmartX employs client-server architecture or standalone and can run as both a corporate and store-level system. The following graphic shows each of these configurations.
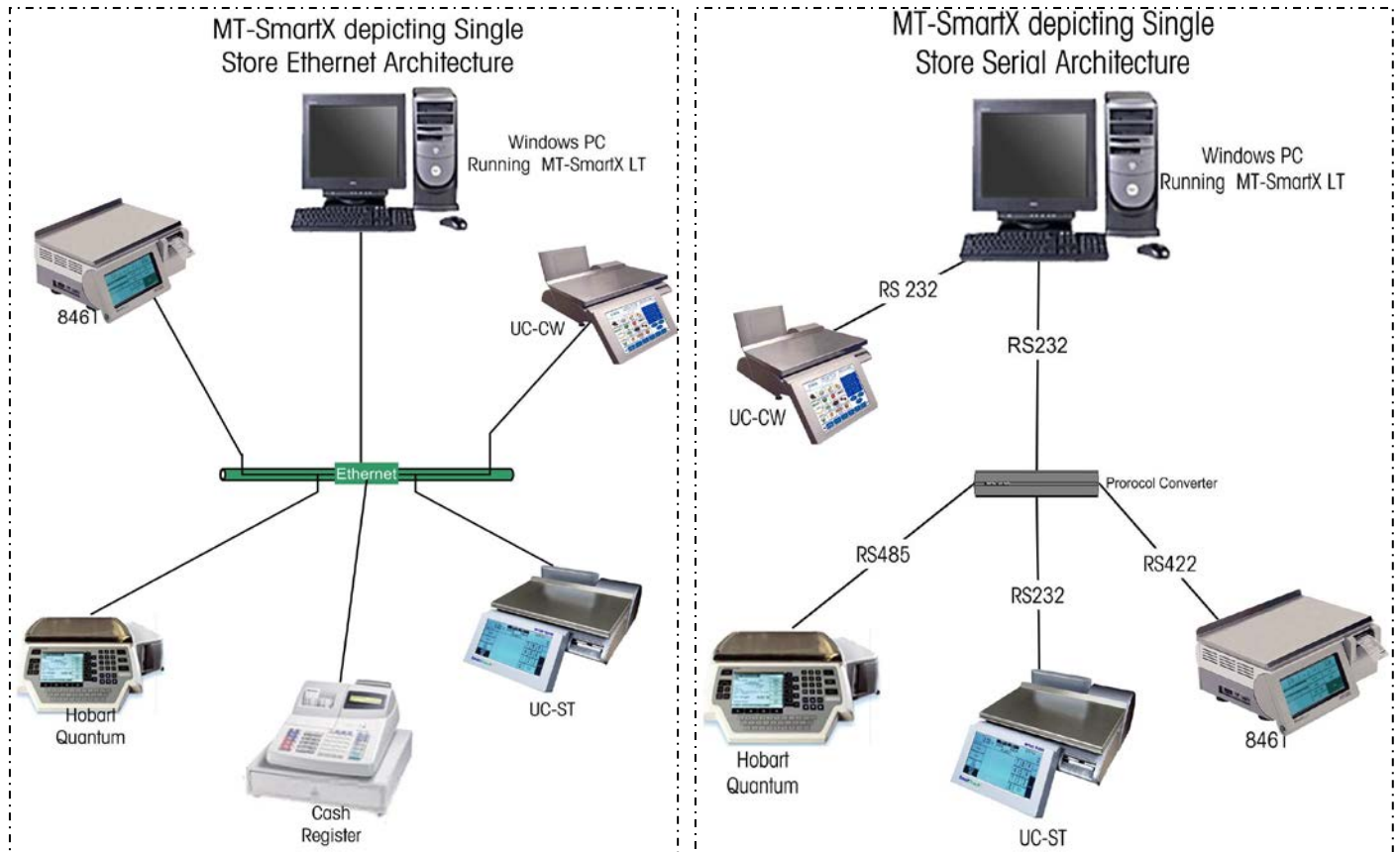


Figure 1: Typical MT-SmartX System utilizing an existing LAN to communicate data to the scales

Figure 2: Typical MT-SmartX System utilizing serial communication to both Mettler Toledo and Hobart Scales
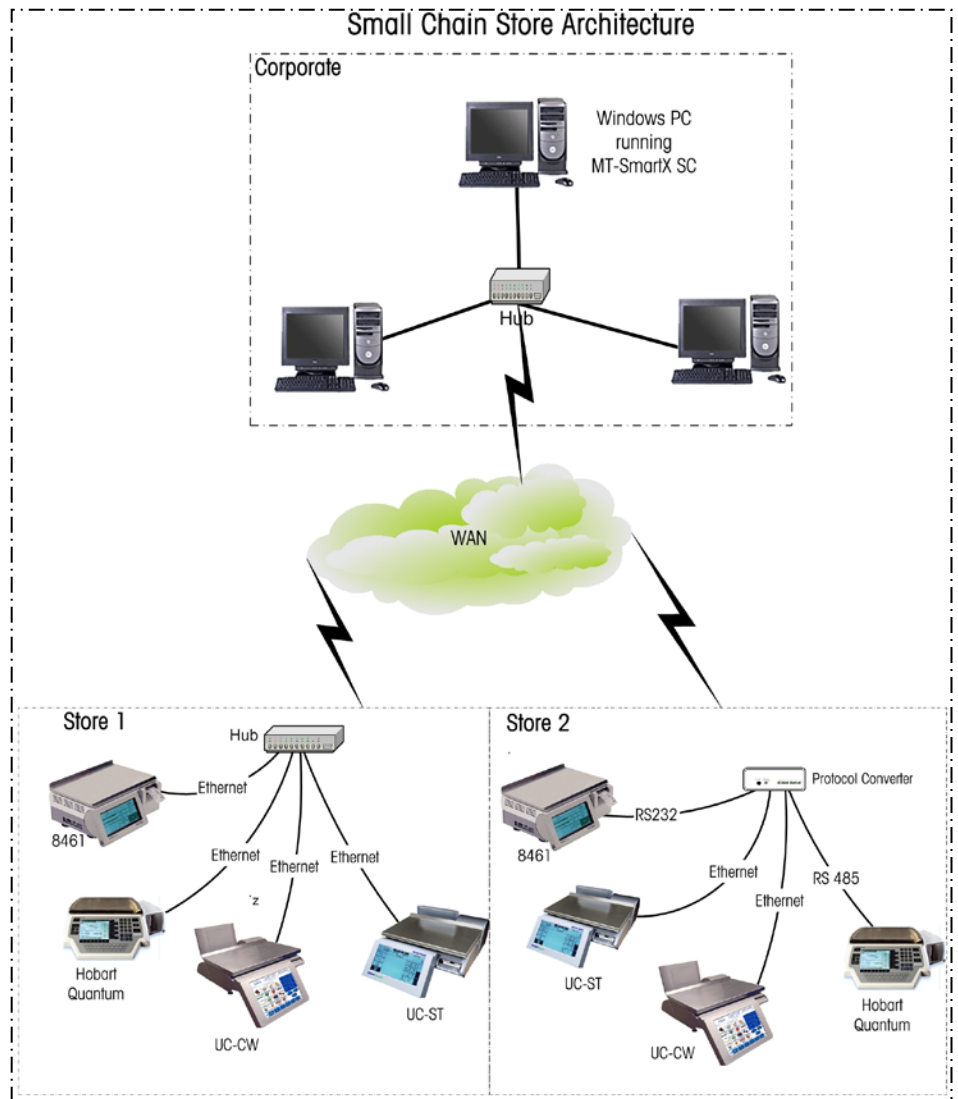
Figure 3: Typical example where MT-SmartX SC System utilizes an existing WAN to communicate data to the scales via Ethernet as shown in Store 1 or Serial as Shown in Store number 2.

# Major Components

MT-SmartX has 3 major components. These are (1) the Application that is used to manipulate data, (2) a background application known as Update Agent, and (3) the Sybase Database.

# Application

The MT-SmartX Application is a graphical user interface (GUI) that lets you update data, such as prices, graphics, and extra text. To update data, you must first create a batch. Think of this as creating a container that holds all your data changes. The batch will contain all of your changes to existing data.

Changes to data can be made for PLUs that apply to all stores, or changes can be made to zones that apply only to certain stores.

Once all your changes have been made, you schedule an event to activate or process the batch containing your changes. The event specifies when the changes are to become effective.
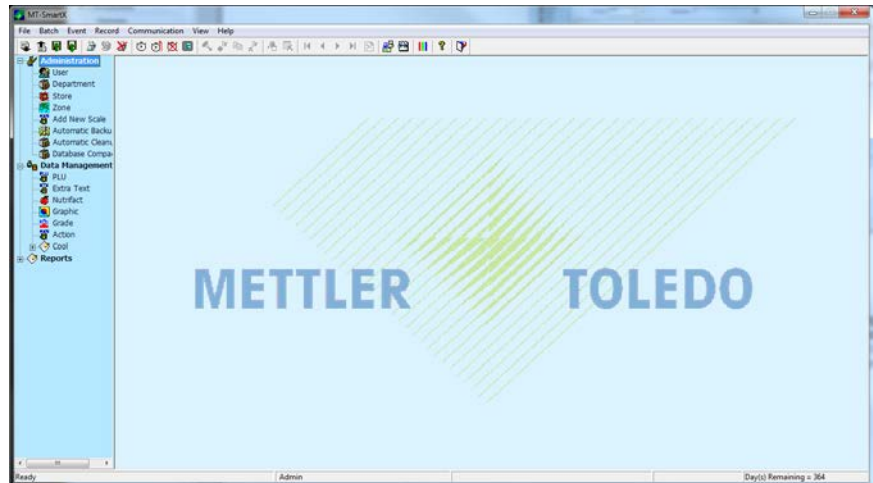


# Event Update Agent

Event Update Agent is a background application that is responsible for executing all the scheduled tasks and events to and from the scale. Event Update Agent continually monitors the system for any events that need to be processed. The agent will display in the system tray as an icon with a green circle with an "M" in the middle. Right clicking on the icon and selecting Open Monitor Window will display the EUA Monitor.
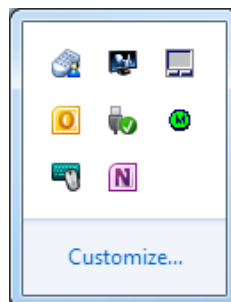
## Database

The database is where all information is stored. The Main Application and Event Update Agent connect to the database for data manipulation. On Windows® XP, the database engine can also be seen on the taskbar with large SQL letters in red/black/yellow colors. On Windows® 7, this icon will not normally be visible.



## License Agreement

MT-SmartX product is installed unlicensed. To use the product, the license must be activated. More details are found in the registration section.

Review the Software License Agreement in the License/Warranty Section of this manual. This agreement contains information regarding copying of software and site licenses.

## On-line Manual

An online manual is available by clicking the Help Icon.

# METTLER TOLEDO
**For your notes**

# 2      Installation

## Preliminary Steps

## System Requirements

PC hardware requirements for use with MT-SmartX are as follows:

- 166 MHz Pentium (minimum)
- 80M hard drive space available
- 128M minimum memory
- Windows® XP, Vista, or Windows 7
- SVGA 800 x 600 display resolution minimum with small fonts 96dpi
  SVGA 1024 x 768 display resolution with Large fonts (120dpi)

# MT-SmartX Installation

➔ Run the installation executable file. The installation will begin automatically.
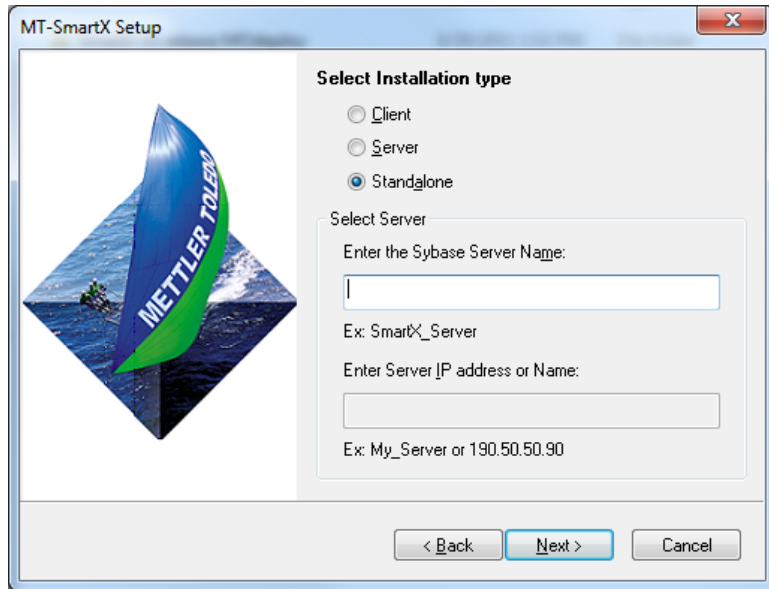


➔ Select the Installation Type (Client, Server, or Standalone). Standalone is the recommended installation type on a standalone computer that will be accessed by one or more users. Type in the Sybase Server Name, then click **Next** to continue or **Cancel** to quit the installation program.
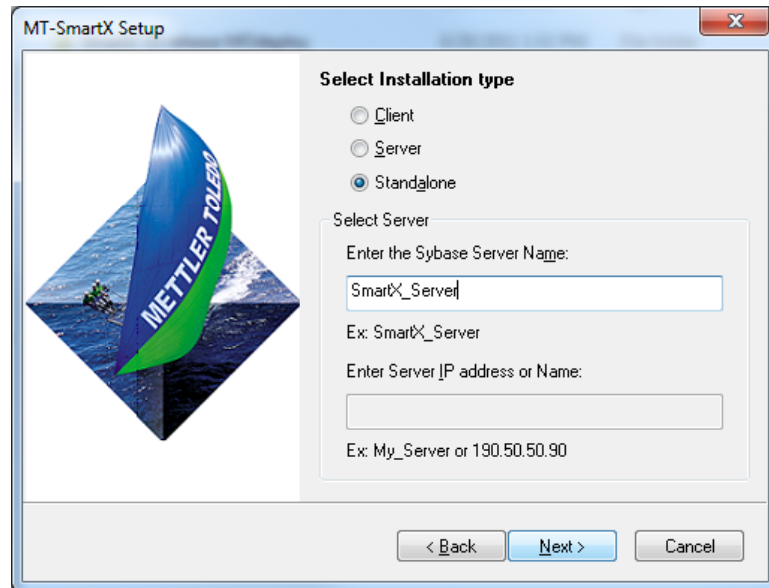


If you are going to install SmartX as a Client, enter the Server Name in the appropriate box and the IP address.

➔ Click **Next** to accept the default installation directory, or **Browse** to install in a different directory. At this point the installation program has all the required information to install MT-SmartX. Click **Next** to continue with the installation.
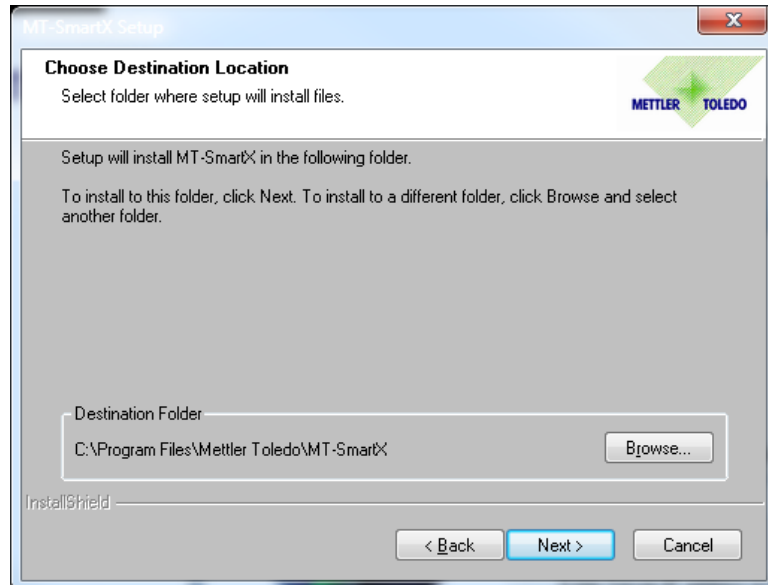


A progress bar will allow you to see how installation is proceeding. At any time you can exit the installation process by selecting **Cancel**.

➔ The installation of **MT-SmartX** is complete when you see this window. SmartX can be used at this point but is recommended to reboot the computer when possible to set several environment variables. Click on Finish to complete the installation.
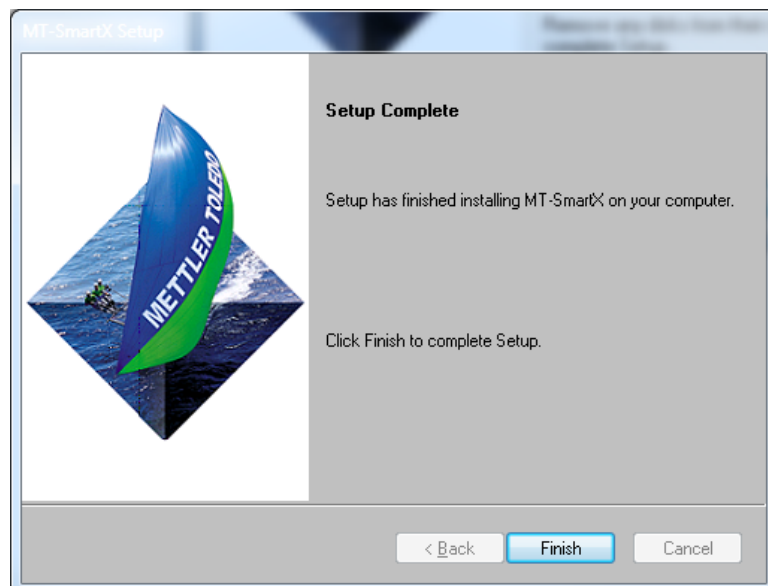
# Uninstalling MT-SmartX

MT-SmartX is supplied with an uninstall program. This is located in:

**Start → Control Panel →**Programs and Features **→ MT-SmartX**

The uninstall application process will begin and a confirmation windows will appear. Select OK.
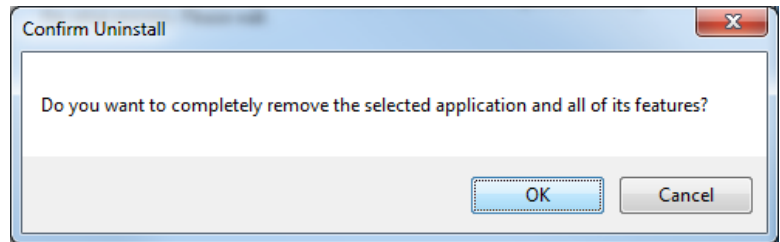
To completely remove the program and the database, click Yes. To uninstall and leave the database intact, click No.
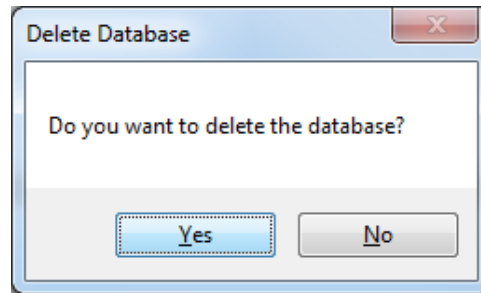
When the Uninstall process is complete you will receive the message "SmartX has been uninstalled successfully".
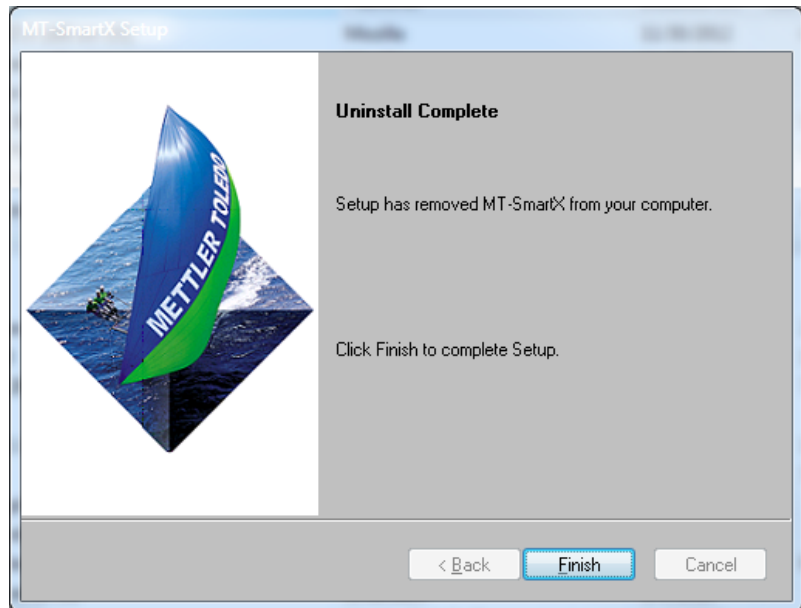
It is recommended to reboot the computer when possible to remove certain environment variables.

# 3      Administration

## Starting MT-SmartX



Note: Before starting MT-SmartX make sure the computer time and date are current. MT-SmartX uses time and date whenever data is scheduled to go to the scales.

During installation, a shortcut will be placed on the computer desktop. Click on the MT-SmartX icon to start the program.

Double-click the shortcut from the desktop to start **MT-SmartX**.

When first starting the **MT-SmartX** application**,** the first screen will be the banner screen and the **Login** dialog box.

When **MT-SmartX** is first installed, there is no password configured so anyone who starts the application has administrative rights to access and change anything.

Once passwords have been configured, the password screen will be displayed, prompting for a valid password. You must then type in a valid password and press the **ENTER** key in order to advance to the Main Screen.
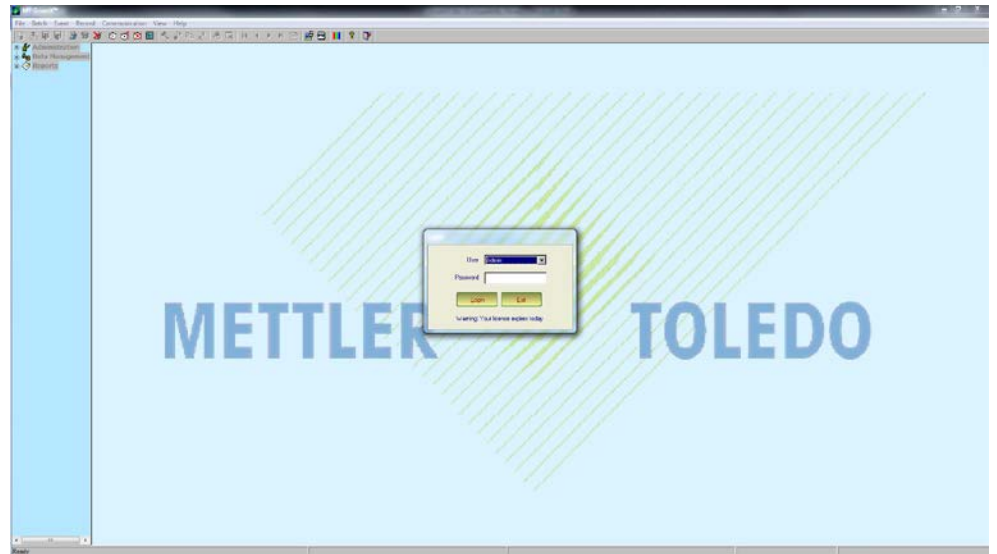


## Logging Off

MT-SmartX allows the user to log-off and log-on as a different user once he/she has completed performing data maintenance. To Log-off from MT-SmartX, select File from the menu and then Log-off.
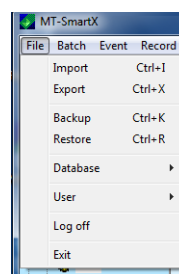
# Registration

To register your copy of MT-SmartX, Click on the Help --> Register --> Register. Record the two values in User Key1 and User Key2. You cannot use the application until the registration codes are entered.
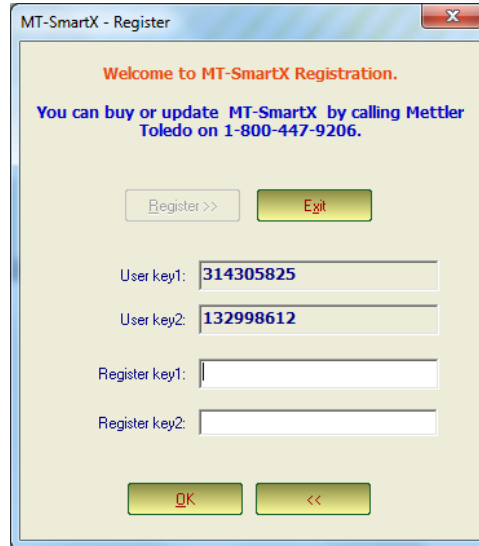


To receive your registration key, contact the registration support team via email at mtsmartx@mt.com or call 1-800-786-0040.

**NOTE:** The codes displayed, and codes provided by support, are only good for 24 hours. If you haven't registered the software before that time, reopen SmartX and provide support with the new key values.

Registration support will then be able to provide Register Keys that must be typed into the registration boxes. Click on Register to complete your software registration. The registration process can be interrupted and then completed at any time, if necessary, by exiting with the UNLOCK LATER button.

Registration support email address: mtsmartx@mt.com

When the software is registered, the lower right screen will show the number of days until the license must be renewed. The software must be renewed at that time or the software will not be able to be used.
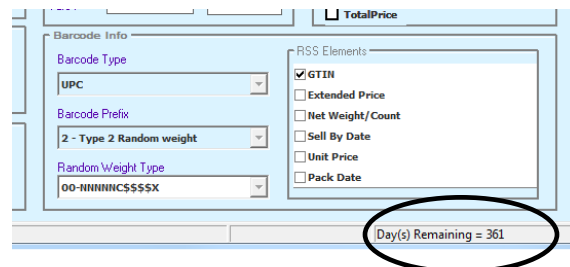
# Menu and Toolbar

**MT-SmartX** functions are organized into three major groups, **Administration**, **Data Management**, and **Reports.**

These groups are presented using a tree-view menu allowing quick access to the various functions. The function on the explorer bar can be selected by left-clicking the mouse on the item desired, or by using the cursor up/down keys to highlight the desired selection, then pressing the ENTER key. Each time a function item is selected, the screen to the right window is updated with features specific to that function. **MT-SmartX** will also display various messages on the screen to provide information as to what functions are being performed and the status of the functions.

Note: Menu options followed by " … " denote additional drill-down function options.
See Chapter 8 for a Quick Reference on the Tool bar and Menu Functions, including drill-down options.

# Menu

Most of the functions can be accessed using the Menu, Toolbar or Function Keys. In addition, when the menu opens, a keyboard shortcut will be listed (if available). The shortcut will be shown to the right of the menu item for that particular function, or if a letter is underlined, a single key press of that character will start the function. Combination key shortcuts include holding the Control Key (Ctrl) and then pressing another key. For example, when the File menu opens, pressing the key E on the keyboard will start the Export function. On the Record menu, Ctrl-N opens a new record.

Function Keys:
        F1=Help
        F2=Batch Delete
        F3=File Import
        F4=Back or close screen (most screens like Store setup, PLU, ET, etc.)
        F5= File Export
        F6=Database Backup
        F7=Database Restore
        F8=Database Initialize
        F9=Batch Open
        F10=Event creation
        F11=Event Resend
        F12=Event Delete

Function Keys while in Batch Maintenance
        F4=New Batch
        F8=Move Previous Record
        F9=Move Next Record

| **File** | **Batch** | **Event** | **Record** | **Communication** | **View** | **Help** |
|---|---|---|---|---|---|---|
| Import | Open | Open | New | Download | Toolbar | User Manual |
| Export | Close | Resend | Copy | Scale Diagnosis… | Status bar | Register |
| Backup | Delete | Delete | Delete | Hourly Totals… | Color Settings | About |
| Restore | | Event Monitor | Restore | Production… | Client Timeout Settings | |
| Database… | | | Update | Cutting Test… | Application Settings | |
| Exit | | | Cancel | Verification… | Report Settings | |
| | | | First | View Log | Settings… | |
| | | | Prior | | | |
| | | | Next | | | |
| | | | Last | | | |
| | | | Close | | | |
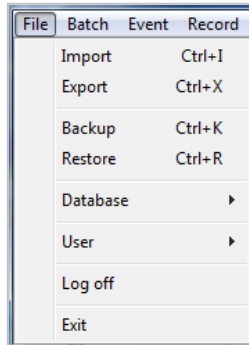
## File Menu

| | |
|---|---|
| **Import** | Import Files from other programs such as Intelli-Net Pending File, Intelli-Net Export Files, Scalevision File, and Databack Files. |
| **Export** | Export Files to other programs such as Intelli-Net Pending File, Intelli-Net Export Files, Scalevision File, and Databack Files |
| **Backup** | Back up database to a file |
| **Restore** | Restore Backed up database |
| **Database** | Database Record Count and Cleanup |
| **Log Off** | Log Off the current user |
| **Exit** | Quit the program |
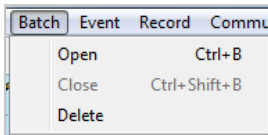
## Batch Menu

| | |
|---|---|
| **Open** | Open a new or existing batch for edits. |
| **Close** | Close the currently open batch. |
| **Delete** | Delete an existing batch. |
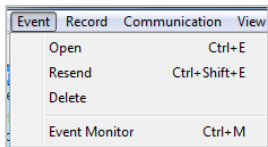
## Event Menu

| | |
|---|---|
| **Open** | Open a new or existing event. |
| **Resend** | Resend a complete or failed event. |
| **Delete** | Delete an event. |
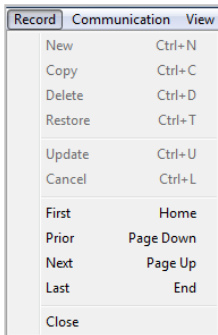
## Record Menu

| | |
|---|---|
| **New** | Create a new PLU record (Used in Batch Mode). |
| **Copy** | Copy a PLU record to create a new PLU record. |
| **Delete** | Delete an existing PLU (Used in Batch Mode). |
| **Restore** | Restore a record (Used in Batch Mode). |
| **Update** | (Used in Batch Mode) |
| **Cancel** | (Used in Batch Mode) |
| **First** | Displays the first record in the database. |
| **Prior** | Displays the previous record in the database. |
| **Next** | Displays the next record in the database. |
| **Last** | Displays the last record in the database. |
| **Close** | Closes the data screen. |
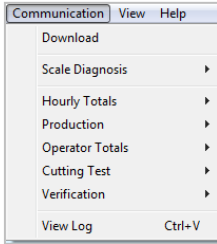
## Communication Menu

| | |
|---|---|
| **Download** | Download data to the scale. |
| **Scale Diagnosis** | Perform Scale Diagnosis such as communication test, extended status and compressing scale memory. |
| **Hourly Totals** | Collect and Print Hourly Totals. |
| **Production** | Collect and Print Production Totals. |
| **Operator Totals** | Collect and Print Operator Totals Report. |
| **Cutting Test** | Collect and Print Cutting Tests. |
| **Verification** | Collect and Verify Scale Data. |
| **View Log** | View Scale Communication Logs. |
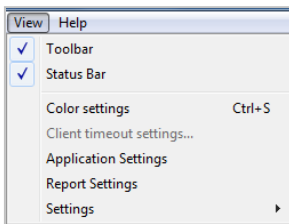
## View Menu

| | |
|---|---|
| **Toolbar** | Hide or Display Toolbar. |
| **Status Bar** | Hide or Display Status Bar. |
| **Color Settings** | Configure screen colors. |

**Client Timeout Settings**

**Application Settings**
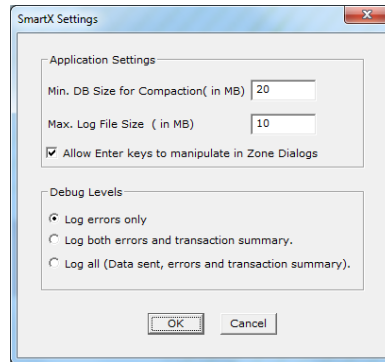
**Report Settings**
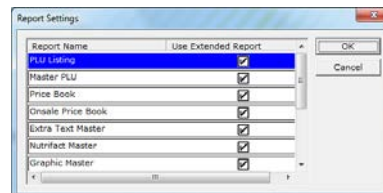
**Settings**　　　　　**Reset Login Status**
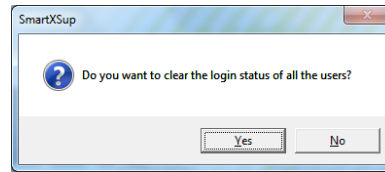


**Weighing Unit**
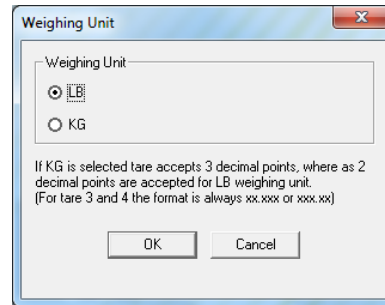


**Currency Increment**
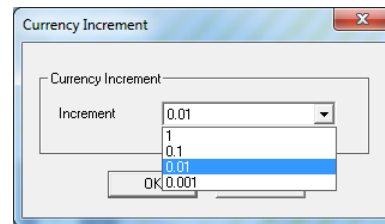


## Help Menu
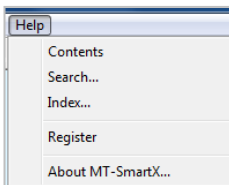


**User Manual**　　　　Open the MT-SmartX User's Guide. Adobe Acrobat is required.

**Register**　　　　Enter the license information or update the existing license to add more stores or scale types.
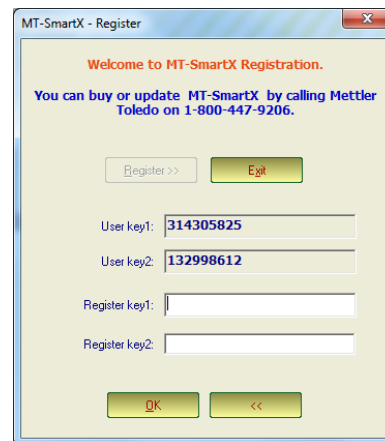


**About MT-SmartX**　　　　Display version and licensing information.

# Toolbar

Commonly used functions can also be accessed on the toolbar. The complete toolbar and explanations of each are shown below. To display a popup description of a button, hold the mouse cursor over the toolbar buttons.
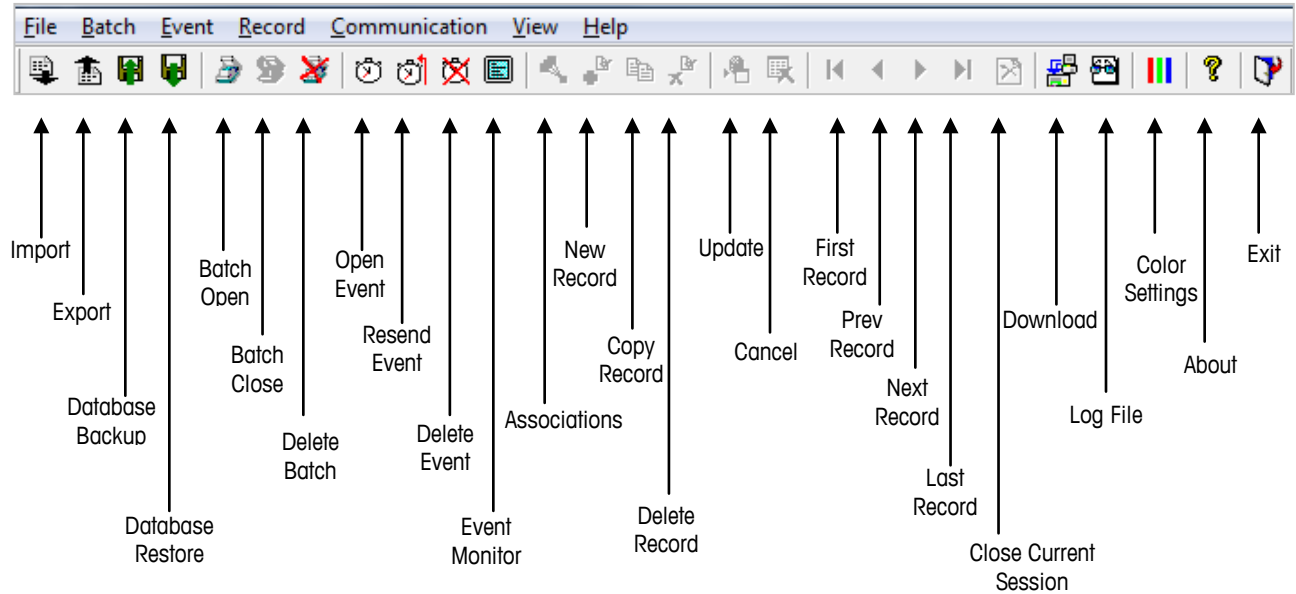


**Toolbar Button Functions**

| Import Export | |
|---|---|
| | Import Data from an external file such as Intelli-net Batch, Intelli-Net Exported Files, Scalevision Files and Databack File. |
| | Export Data to an external file such as Intelli-net Batch, Intelli-Net Exported Files, Scalevision Files and Databack File. |
| | Backup Database. Backup the complete database to a single file. |
| | Restore Database. Restore a backed up a database. |
| **Batch** | |
| | Open Batch for edits |
| | Close Batch |
| | Delete Batch. Deletes existing batches. |
| **Events** | |
| | Open Event to send changes to the store |
| | Resend - failed or completed Events |

| | Delete Events |
|---|---|
| | Event Monitor – shows the status of the events |
| **Records** | |
| | New Record |
| | Copy Record to another |
| | Associations – Displays the PLU the record is linked to, such as NF. |
| | Delete a Record from the database |
| **Database** | |
| | Update the batch with the changes |
| | Cancel changes performed to a record |
| **Navigation** | |
| | First Record in the database |
| | Previous Record |
| | Next Record |
| | Last Record |
| | Close Current Screen |
| **Scale Functions** | |
| | Scale Download. Download Data to the scale |
| | Log File View Communication log (Tree View) |
| **Miscellaneous** | |
| | Background Color Select |
| | About – Displays version information |
| | Exit MT-SmartX |

# Initial Setup

Setup the following in this order;

1) Create Zones

2) Create Departments

3) Create Users

4) Create Stores and Scales

# Zones

To add a Zone:

Expand the Administration menu by pressing the plus sign on the explorer bar and select Zone. At this point you should see the Zone Configuration screen.
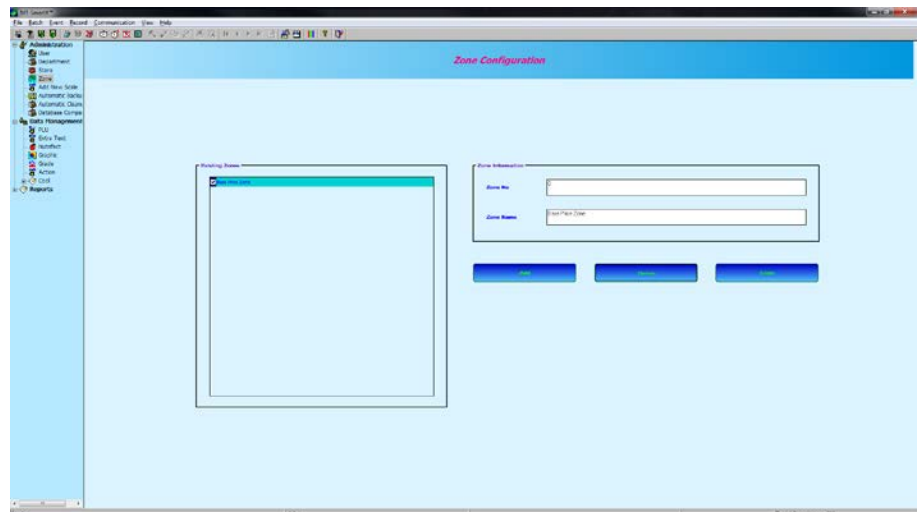


■ Click the **Add** button
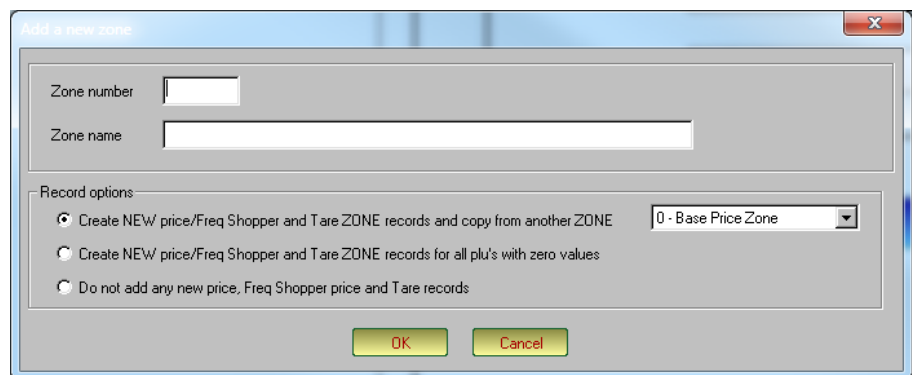


■ Enter the new Zone number and enter a name for the Zone.

■ When creating the new Zone you have three available options.

1.  Create New Price/Freq Shopper and Tare ZONE Records for ALL PLU's and copy the values from another Zone that you select from the dropdown list on the right.  This is the recommended method.

2.  Create New Price/Freq Shopper and Tare ZONE Records for ALL PLU's from another Zone that you select from the dropdown list on the right.  This will copy all records but set all values to zero.

3.  Do not add Price/Frequent Shopper Price or Tare records for ALL PLU's.

# Departments

Up to 30 departments (0-29) can be configured in MT-SmartX.

When PLUs are updated, the changes are applied only to stores that are configured with that department.

# Add Departments

To add a department:

■   Expand the Administration menu by pressing the plus sign on the explorer bar and select Department. At this point you should see the Department screen.
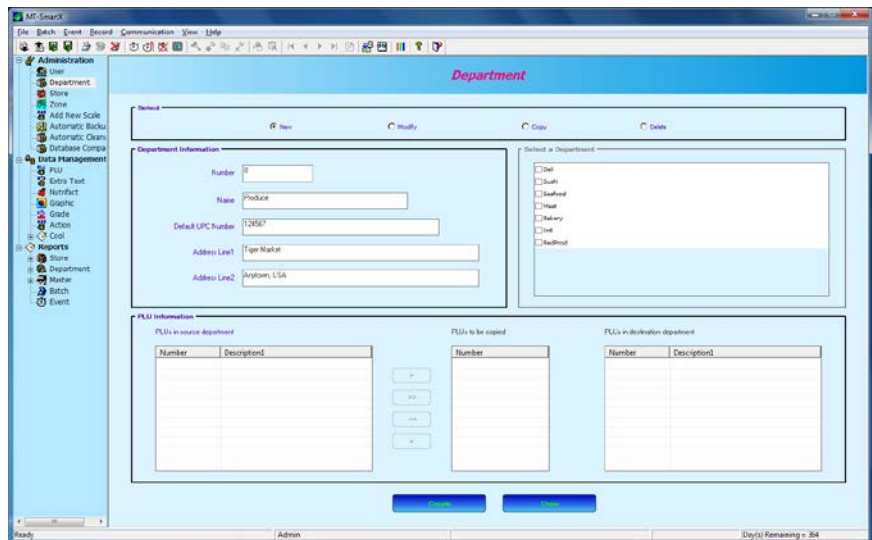


■   Make sure the **New** option is checked. Type in your department number (0 through 29), Name, Default UPC, Address Line1, and Address Line2.

■   You can copy data from an existing department. Select the "Copy" option and click to check the department to copy from. Once you have checked the department to copy, you will see a list of the departments. You can then pick and choose the range of PLUs to copy by moving them across to the PLUs to be copied box.
Note: Depending on the number of PLUs, the application might take a while to bring up the PLU information.

To copy all PLU numbers, click >>. To copy a range of PLUs, click the first number to copy, then move the slider bar to the last number to copy and hold down the shift key and click the number. Copy just those selected by clicking the > button. To

unselect numbers, press and hold CTRL then click on the number.

To unselect the numbers to be copied, click the number then click the < button. To unselect all, click the << button.
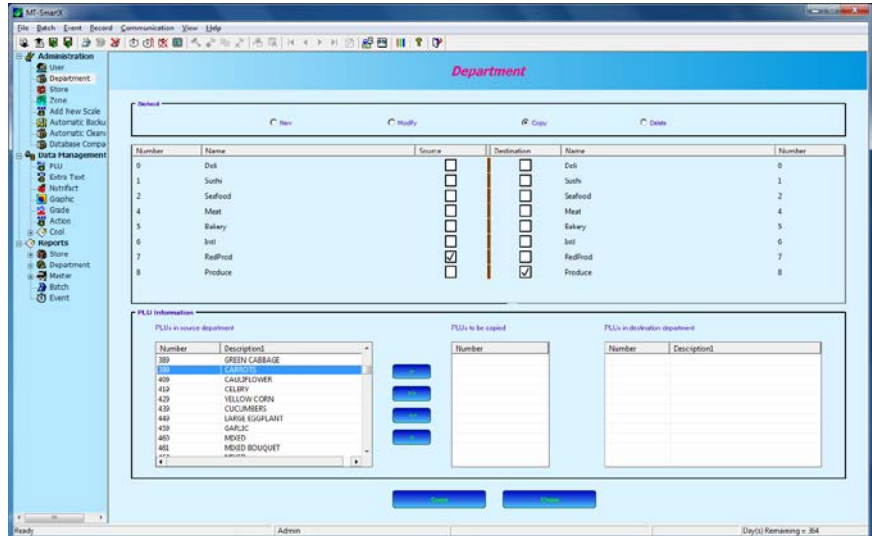


- ■ Click on the **Copy** button to start the copy process.

- ■ When finished, click **OK** to update the application with the new department information. If you are copying you will see a status bar showing the copying progress.

# Modify Departments

To modify a department:

- ■ Expand the Administration menu by pressing the plus sign on the explorer bar and select Department. You should then see the department screen.

- ■ Check the modify option, and the check the department you would like to modify.

- ■ Enter the department information you want to change.
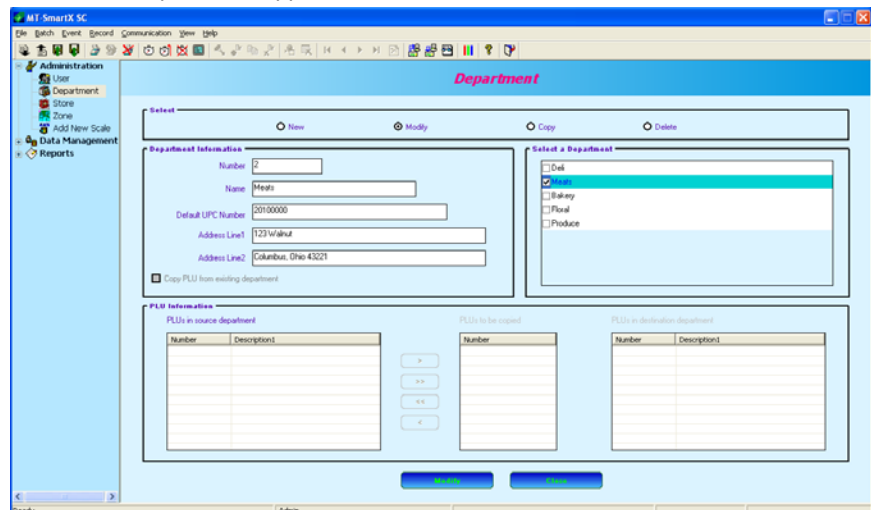
- ■ Click OK to update the application.

# Copy Department

To copy PLUs from one department to another:

■ Expand the Administration menu by pressing the plus sign on the explorer bar and select Department. At this point you should see the department screen.

■ Check the copy option, and enter the new department information.

■ Note: Depending on the number of PLUs, the application might take a while to bring up the PLU information.

■ Click OK to update the application with new department.
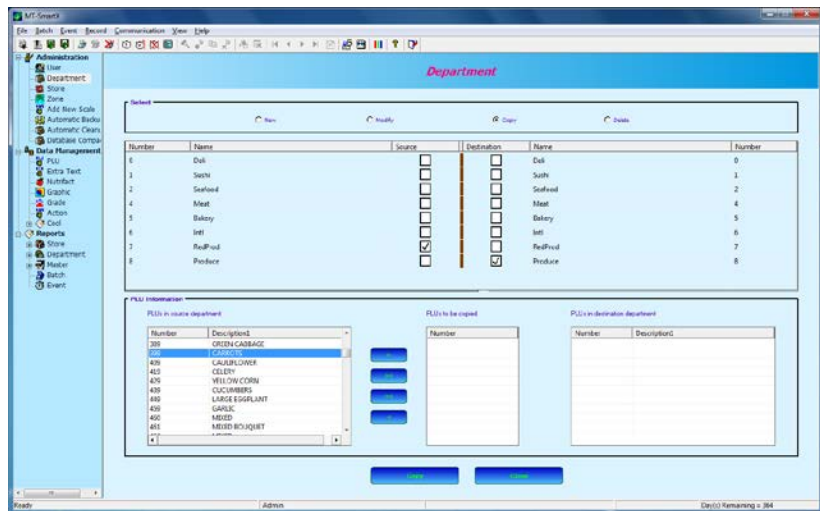


# Delete Department

To delete a department:

■ Expand the Administration menu by pressing the plus sign on the explorer bar and select Department. At this point you should see the department screen.

■ Check the delete option, and check the departments that you would like to delete. If departments are assigned to a scale it can't be deleted. You must first remove the department under store configuration.

■ Click OK to update the application.

# Users

## User Configuration

Each user can be assigned an account that includes a username and password with a security level that limits access to certain areas of the application. The default account configured at the time of installation allows access to all of the areas. The default user is Admin. The user name and password is case sensitive.

There are three security levels:

■ Administrator – allows access to all MT-SmartX functions. If no password is configured, any operators can login using the Admin username and have full access to all functions. The Administrator password is entered in the User Option of the explorer. Access is granted only to departments that are checked in the list. Can create Events that encompass any user's batches.

■ Supervisor – Access is granted only to departments that are checked in the list. A Supervisor can modify any batch in the department user is assigned. It does not allow access to the program configuration functions. Can create Events that encompass any user's batches.

■ Department User - Access for viewing or batch maintenance is granted only to departments that are checked in the list and created with their username. Can create Events that encompass any user's batches.

Note: If you are the designated administrator, you should first assign yourself a password. Create a new user who has Supervisor level access to replace the generic "Administrator" user. To maintain access to all of the areas, it is very important that at all times you have at least one user configured with the highest level of security that can access the system when necessary.

## Add User

When MT-SmartX is installed, the user "Admin" is created with administration permissions with no password. A new password should be chosen after the initial login and stored in a safe location. After login as "Admin":

Expand the Administration menu by pressing the plus sign on the explorer bar and click on User. The user screen as shown below will open.
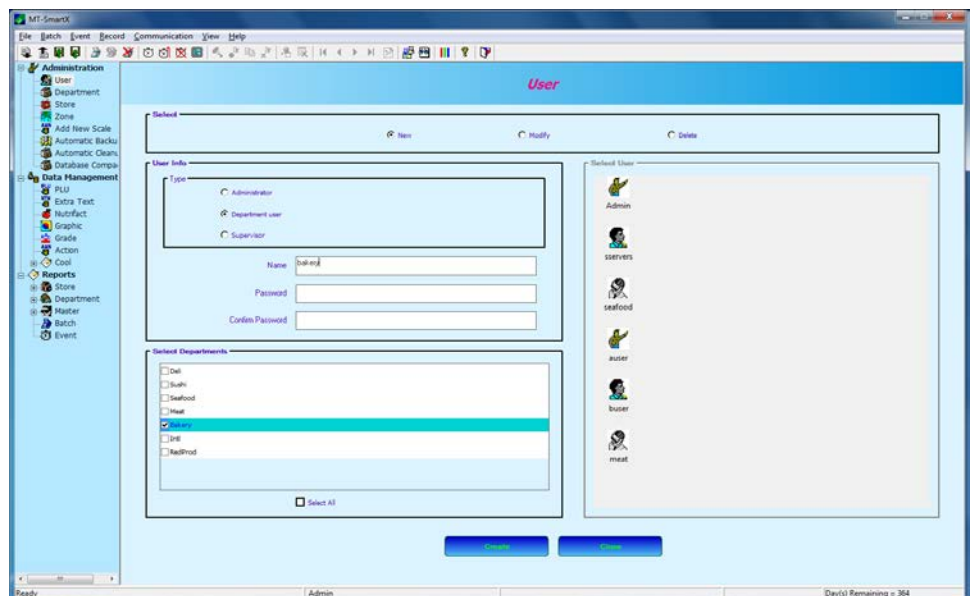
- Under Select Box check the "New" option.
- Under the User Info, check one of the security levels.
- Enter username and password.
- Confirm the password by re-entering the password.
- Assign the departments that the user will need to access. If no departments are assigned to the user, this user will not be able to perform data maintenance.
- Click "Create" to update user information.

# Modify User

Modify will allow changing the permissions level, departments, and password.

Under the "Select " box check the "Modify" option.

Under "Select User" box, select the user you want to modify.

Edit the information you want to modify. (Type, Password, and Departments).

Click the "Modify" button to update user information.
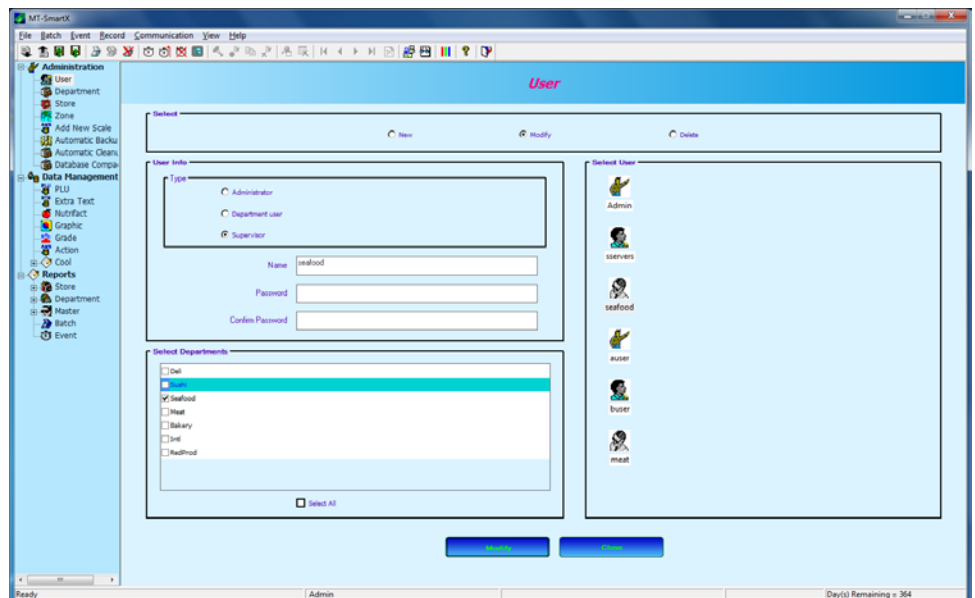


# Delete User

- In the "Select" box check the "Delete" option.
- In "Select User ", select the user you want to delete by left-clicking the mouse on the user's icon.
- Click "Delete" to delete the user information

# Stores

The Administration → Store option under the Explorer bar is used to configure the stores and scales. Store-1 is reserved for a local store and is always the default store when starting MT-SmartX. Store-1 is recommended as a local store or Lab store and 2 through 200 are reserved for remote store locations that require a Wide Area Network (WAN) to connect.

If you have Ethernet capable scales at the store, MT-SmartX will communicate directly to the scales. In case you do not have Ethernet scale, Ethernet to serial devices such as Systech or B&B Electronics protocol converters can be used to convert the Ethernet signal to either RS 232, 422 or 485.

For each store in the system, you must supply a store number, location, Scale Information (ID number, Department numbers, and communication protocol).

For Ethernet scales you need the IP address, port number, and Scale type for each department configured.  You can also specify a Name for the scale.

For serial scales you need, com port, baud rates, scale types, and scale address number for each department configured.

# Add Store

- Expand the Administration menu by pressing the plus sign on the explorer bar and select store.

- At this point you should see the store screen as shown in figure 3.6a

- Click Create in the select box. Type in the new store number in the Number field. Advance to next field by pressing tab key and fill the rest of the information for this store.

- Click on the **Scales** button to assign Scales to this store.
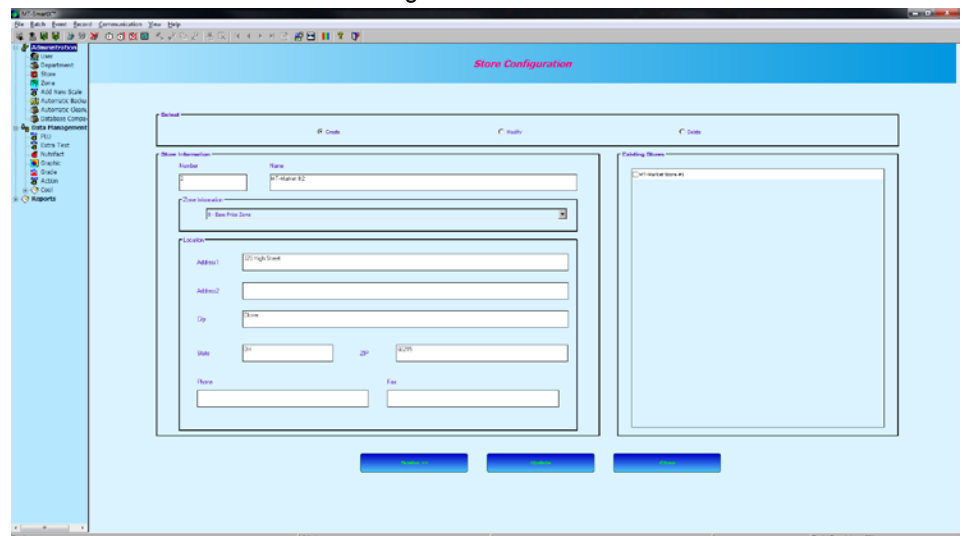


**MT-SmartX Store Configuration Screen**

- In the "Scales for Mettler Toledo Screen", right click your mouse on the Add/Modify/Delete Scale(s) Window and select Add Scale. (See screen below.)

- Type in Your Scale ID and select the scale type from the Drop down menu.

# Assign Zones

When using multiple zones, each store must be assigned to a zone. To do this, click on Store under the Administration tree menu. Click Modify in the Select box and then select the store. The zone information drop down menu is then used to select the zone for that store. Click Finish to apply the zone information.
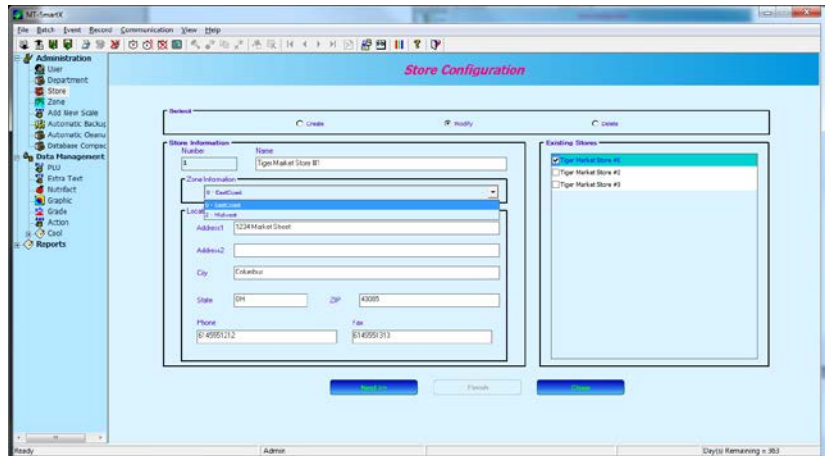


**Assign Zones in the Store Configuration Screen**

■ Check the department(s) you want assigned to that particular scale. You must assign a department to a scale in-order to have that department in the system.

■ Once all the information has been entered click the Update and then the Finish button.

> Check the departments to assign to a scale.

> Click to add, delete, or modify scales

> Assign Ethernet IP address and port number.
> (Mettler Toledo is 2305)
> (Hobart Port number is 6000)

> Configure serial parameters here.
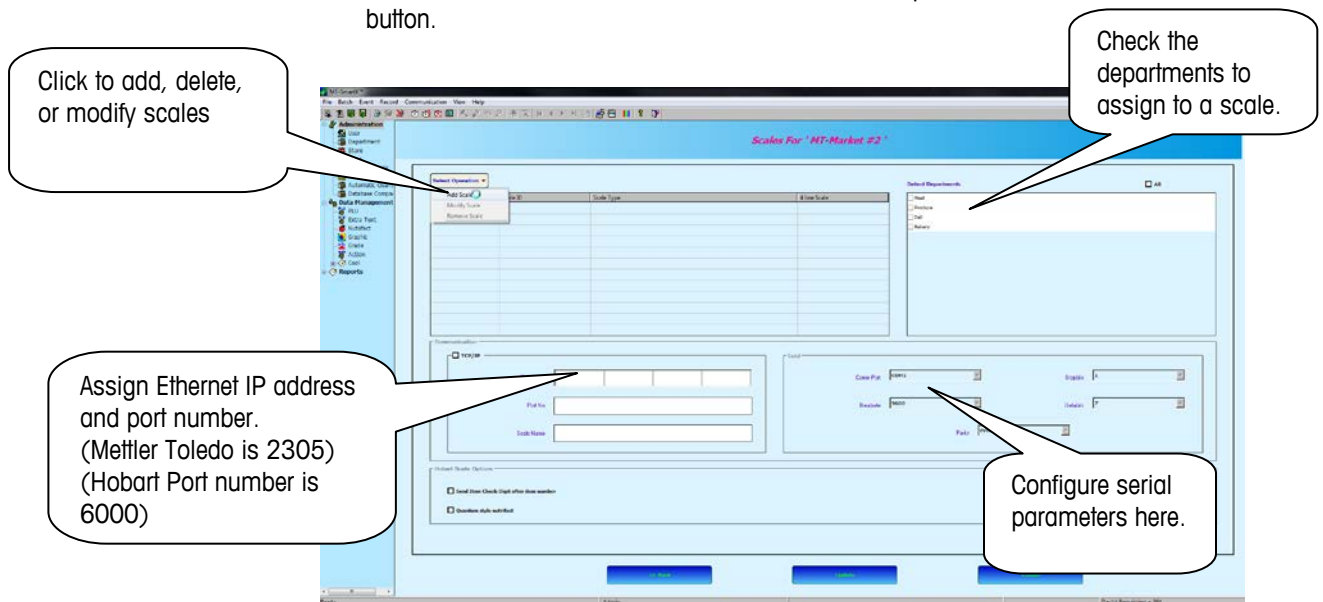


**Scale Configuration Screen**

■ To modify a scale, right click on the scale and select "Modify Scale".

■ To delete a scale, right click on the scale you want to delete and select "Remove Scale". Before you can delete the scale you must uncheck the departments assigned to that scale.

■ Click on the **Update** button after to save your changes.

# Modify Store

■ On the Administration menu click on Store.

■ To modify a store, click Modify in the select box and then click the checkbox to select the store.

■ The Store number will show in the Number field. Press the tab key to move to the various fields and edit the information.

      ■ Click on the **Scales** button to assign Scales to this store.



■
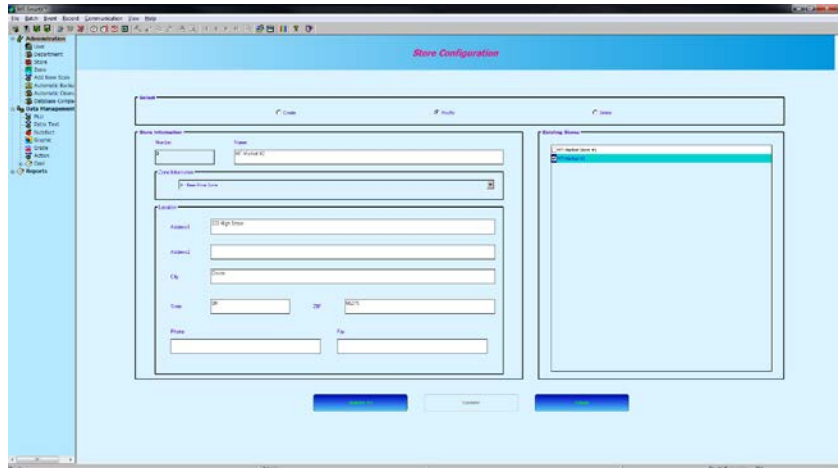
**MT-SmartX Store Configuration Screen**

■ In the "Scales for "Store Name", right click on the scale to Add/Modify/Remove a scale.

■ Check the department(s) you want assigned to that particular scale.

■ Once all the information has been entered click the **Update** button.
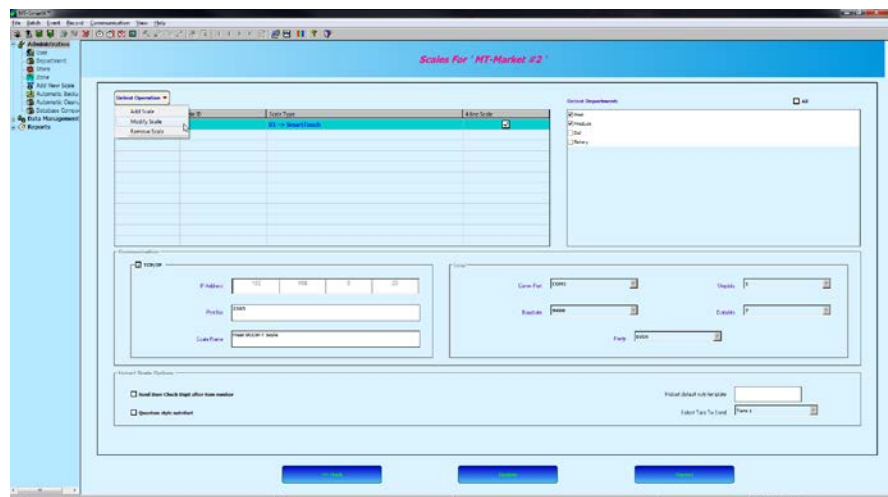


**Scale Configuration Screen**

# Add New Scale

This function is to add a new scale type and driver to MT-SmartX. Contact your Mettler Toledo representative for additional information.

# Automatic Backup

To schedule automatic backups of the MT-SmartX database, click on Automatic Backup under the Administration menu tree.

Select to run the backup now or on a schedule.
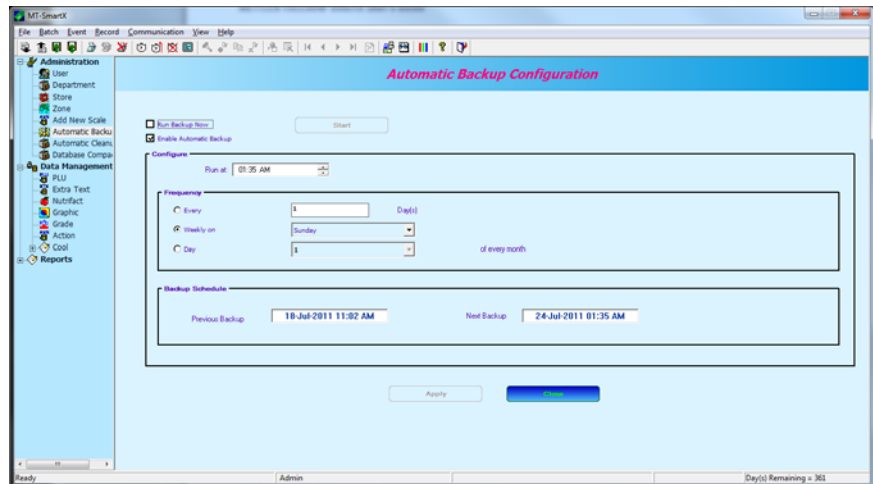


**Automatic Backup Configuration Screen**

# Automatic Cleanup

To schedule automatic backups of the MT-SmartX database, click on Automatic Backup under the Administration menu tree.

Select to run the backup now or on a schedule.
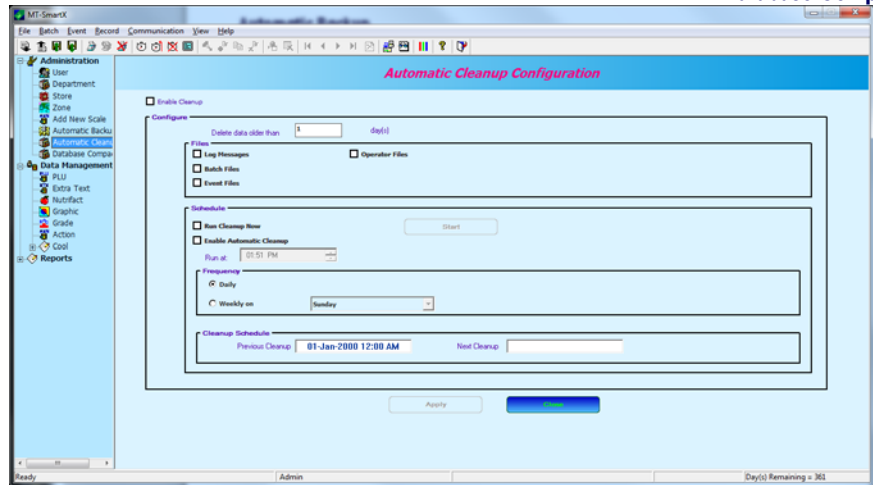
**Automatic Cleanup Configuration Screen**

# Database Compact

To compact the database, select Database Compact from the Administration menu tree. The Compact function can be performed now or set up to run automatically on a schedule.
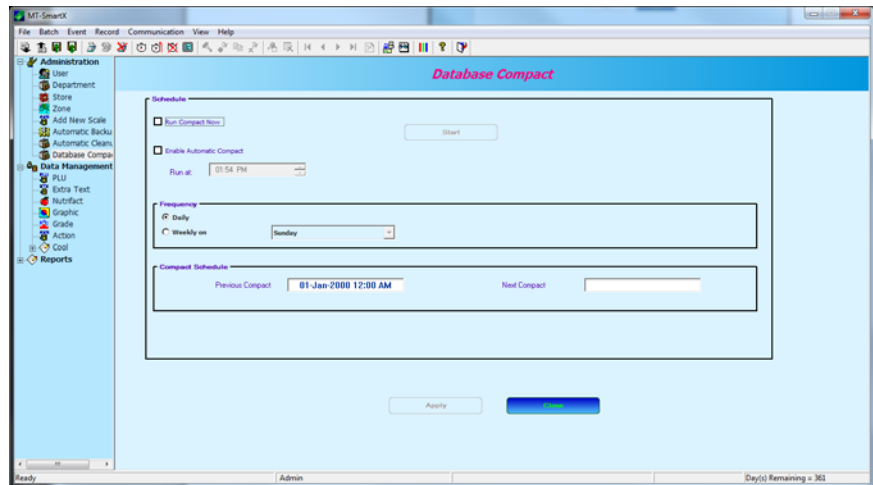


**Compact Database Configuration**

# Event Update Agent

Note: On the single store version, the Update Event Agent requires that a user (or some dedicated user name) be logged into Windows® at all times in order to update the database correctly.

The Event Update Agent is a background application that updates all the maintenance to the scales at a specified time and date. The Update Agent status can be viewed using the Event Monitor screen that will provide details of the Agent status, such as the update interval, and when was the last action the Agent performed. The Event Monitor is used to configure the Agent with permission and update interval. The Update Agent can be configured from two different locations depending on either you using the multi-store version.
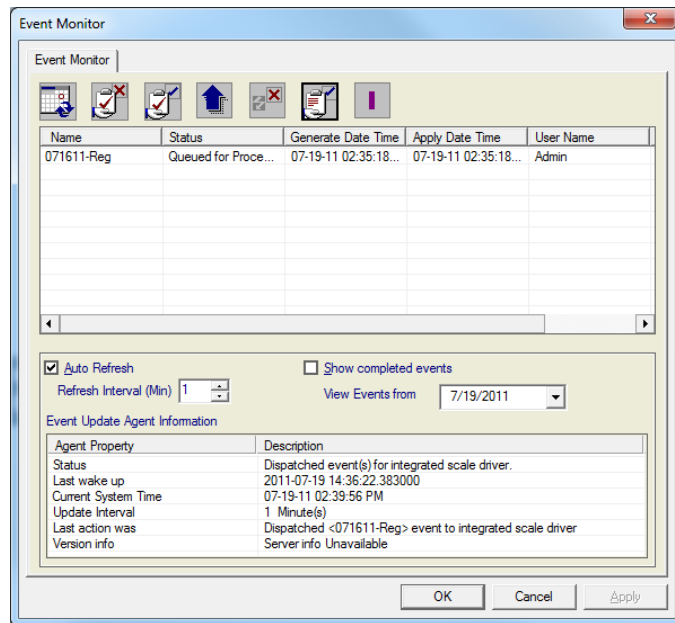


**Event Monitor Screen**

Buttons on the Event Monitor are as follows:

 Refresh screen.

 Suspend the Event Update Agent.

 Resume the Event Update Agent.

 Resend.

 Delete event.

 Show/hide details.

 Exit.

# Import

## Import Types

MT-SmartX has the ability to import into the database from different file formats. Formats currently supported are:

- Intelli-Net verison 5.10 or above Pending Files
- Intelli-Net verison 5.10 or above Regular Files
- Databack Files
- Scalevision® Generic Pending Files.

The import function can be used in the following instances:

- Migrate from an Existing Intelli-Net Application to MT-SmartX
- Replacement of Intelli-Net in the installation where the systems were interfacing with Intelli-Net.
- Backup
- Transferring files

## File Types

To import data, on the Menu select File → Import. The types of import are shown on the left side of the File Import screen.
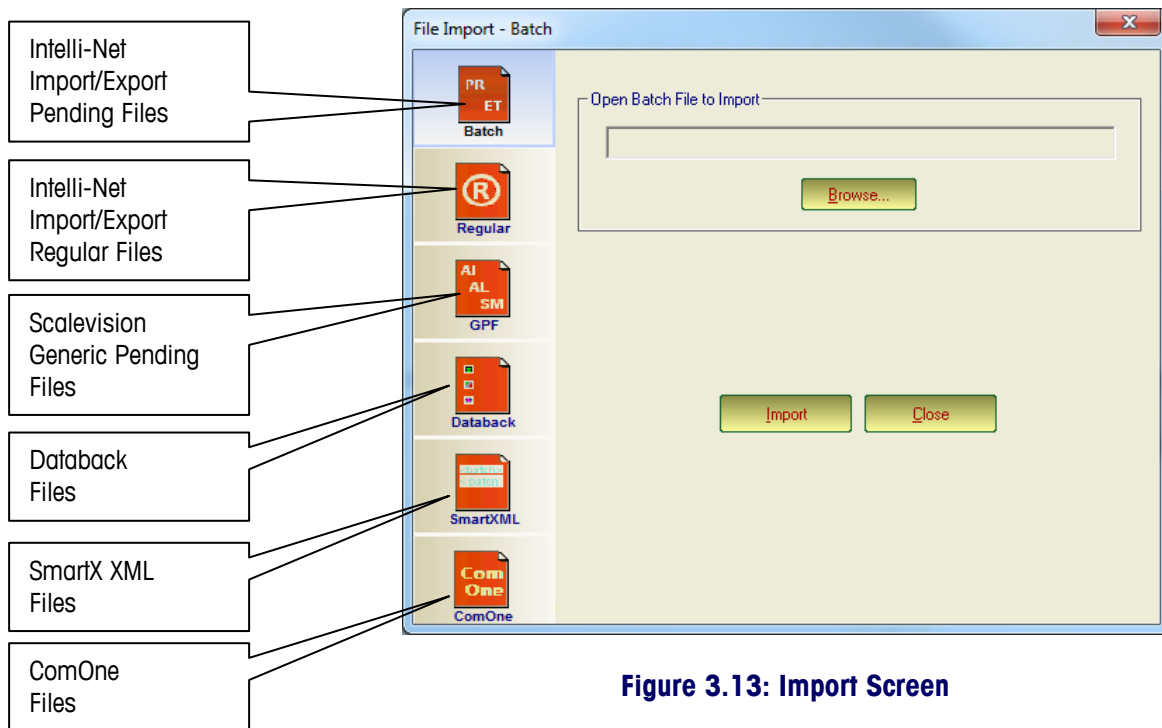


**Figure 3.13: Import Screen**

# Import Batch

This function is used to import Intelli-Net Pending Files.

- Click the Batch Icon.
- Click the browse Icon to locate the Intelli-Net Pending File, select the file and click Open.
- Click the Import button
- When the import process is complete, the pending file should now exist as regular batch in MT-SmartX waiting for you to schedule and event to send to the scales.

**WARNING:** When you import data, all the duplicate data will be replaced.
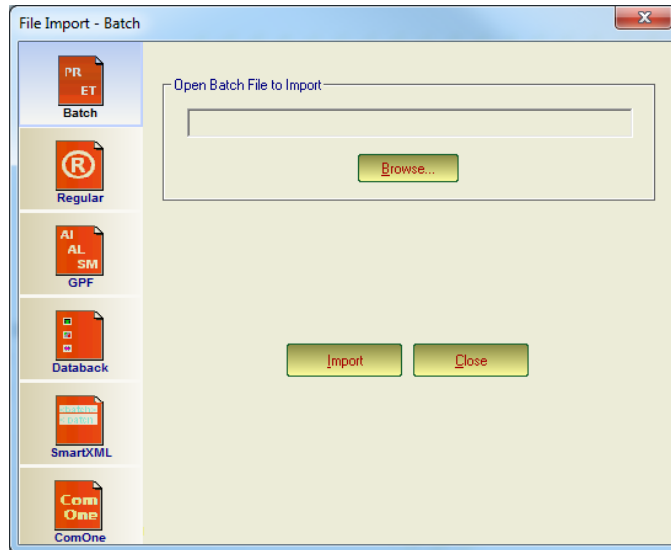
**Batch Import Screen**

# Import Regular

- Click the Regular.
- You can import all exported Intelli-net data files by checking the appropriate File Type.
- Click the browse Icon to locate the Intelli-Net Files,
- Select the file and click Open.
- Click the Import button

**WARNING:** When you import data, all the duplicate data will be replaced.
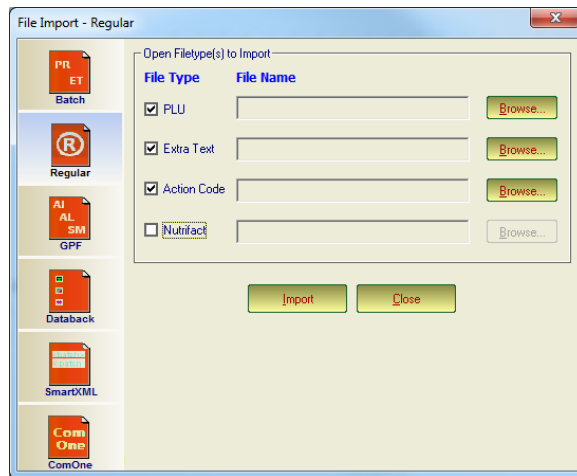
**Regular Import Screen**

# Import GPF



This function is for importing ScaleVision Generic Pending Files.

■ Open the generic pending file you will import using notepad and remove the first line which begins with: ( colon)  and save it.

■ Click the GPF Icon and the color will turn blue (see figure 3.15).

■ You can import PLU, Extra text, Nutrition facts, Action, or Graphics by clicking the browse Icon to locate the generic pending file.

■ Select the file and click Open.

■ Click the Import button to start importing data.

**WARNING:** When you import data, all the duplicate data will be replaced.

# Import DataBack

If your DataBack or WinDataback files have an extension of OOO, rename the files with the following extensions:

> PLU file   = .plu
> EXTRATEXT file  = .ext
> NUTIFACTS file = .nut
> GRAPHICS = .gra

■ Click the DataBack icon.

■ You can import PLU, Extratext, Nutrition facts, and Graphics all the same time by clicking the browse Icon to locate the files.

■ Select the file and click Open.

■ Click the Import button to start importing data.

**WARNING:** When you import data, all the duplicate data will be replaced.
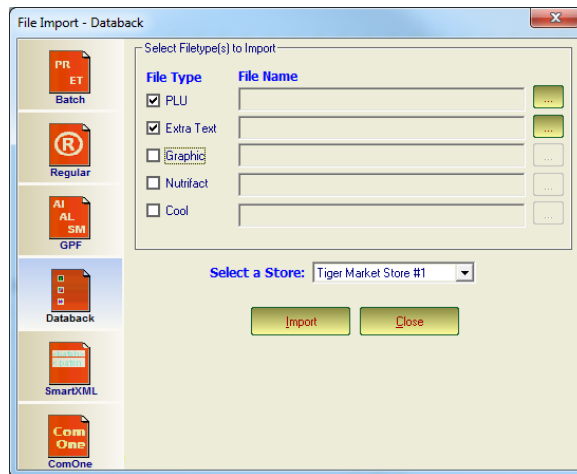


**Import Databack Files**

# Import SmartXML

This function allows import of XML files into the MT-SmartX database. SmartXML is a file format used by WinDataback.

■ Click the SmartXML icon.

■ Select the file and click Open.

■ Click the Import button to start importing data.

When the import process is complete, the WinDataback files are now the active records in MT-SmartX.

**WARNING:** When you import data, all the duplicate data will be replaced.
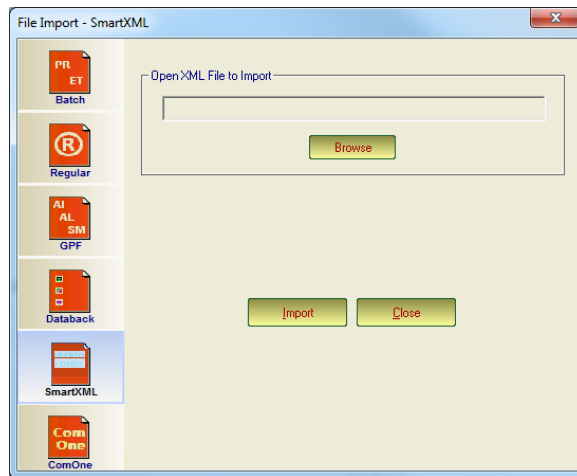
**Import SmartXML Files**

# Import ComOne



This function allows import of ComOne XML files into the MT-SmartX database. ComOne is an industry standard format similar to SmartXML.

- ■ Click the ComOne icon.
- ■ Select the file and click Open.
- ■ Click the Import button to start importing data.

When the import process is complete, the imported files are now the active records in MT-SmartX.

**WARNING:** When you import data, all the duplicate data will be replaced.
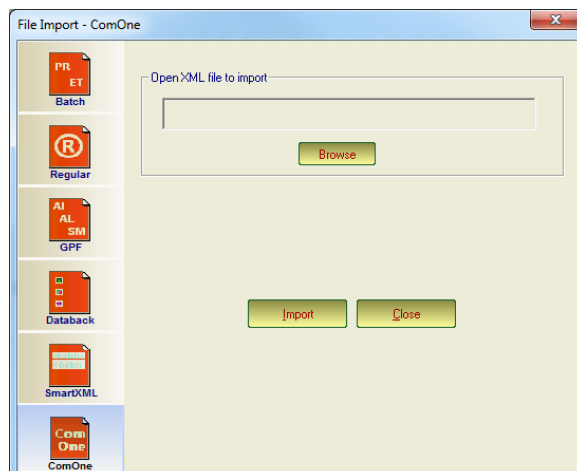


**Import ComOne Files**

# Export

To export data to an external file, click File → Export. The types of export are shown on the buttons on the left of the screen.

Intelli-Net Export
Pending Files

Intelli-Net Export
Regular Files

ScaleVision
Generic Pending
Files Export

Databack
Files Export

**Export - Batch File**

**Select Batch Filetype(s)**

| | File Type | Batch Name |
|---|---|---|
| ☐ | Regular | Reg 07/14/11 13:56:52 ▼ |
| ☐ | Extra Text | ▼ |
| ☐ | Action Code | ▼ |
| ☐ | Nutrifact | ▼ |
| ☐ | Graphic | Grx 06/30/11 13:30:53 ▼ |

**Select Department(s)**

| Number | Name |
|---|---|
| 0 | Deli |
| 1 | Sushi |
| 2 | Seafood |
| 4 | Meat |
| 5 | Bakery |
| 6 | Intl |
| 7 | RedProd |

Select a File to Export

Browse...

Export    Close

**Export Screen**

# Export Batch
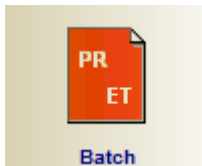
This function will export to an Intelli-Net Pending File.

- Click the Batch icon.
- Check the file type and the drop down menu to select the batch to export.
- Select the Department to export. You can select one department or combination of departments by using CTRL or SHFT + UP/DOWN or click on the mouse.
- Click the browse Icon to find a location to save the files, name the file and click Save
- Click the Export button
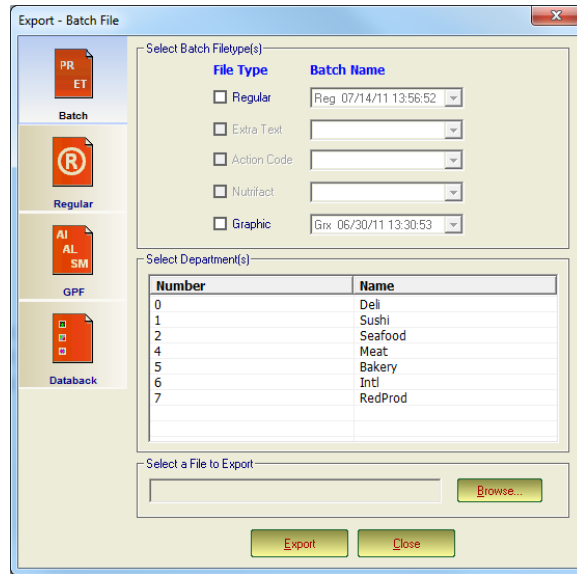
**Export Batch Screen**

# Export Regular
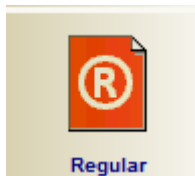


This function will export the database to a regular Intelli-Net database format.

- Click the Regular icon
- You select the data type by checking the appropriate File Type.
- Click the browse Icon to locate the Intelli-Net Files.
- Select the Department to export. You can select one department or combination of departments by using CTRL or SHFT + UP/DOWN or click on the mouse.
- Select the file and click Save.
- Click the Export button to start exporting data
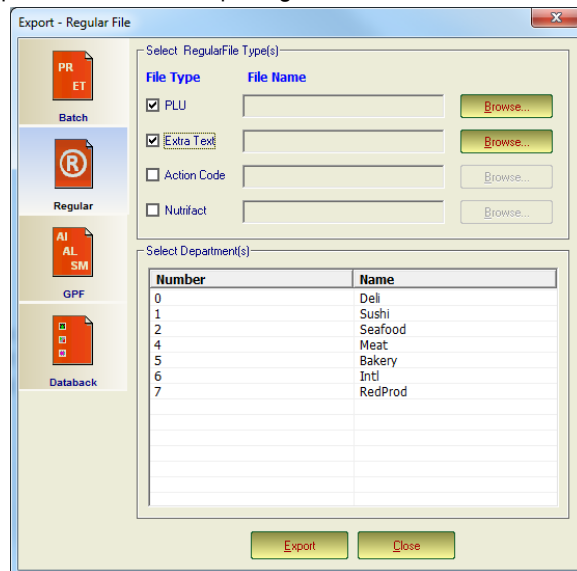


**Export Regular Files**

# Export GPF

This function will export the database to a ScaleVision Generic Pending File.



- Click the GPF Icon.
- You can export PLU, All Extratext or Only Linked, All Nutrition facts or Linked Nutrition Facts, Action, and All Graphics or Only Linked Graphics by checking the appropriate option.
- Select the Department to export. You can select one department or combination of departments by using CTRL or SHFT + UP/DOWN or click on the mouse.
- Click the browse button to find a location to export the files, type in the File name and click Save.
- Click the Export button to start exporting data.
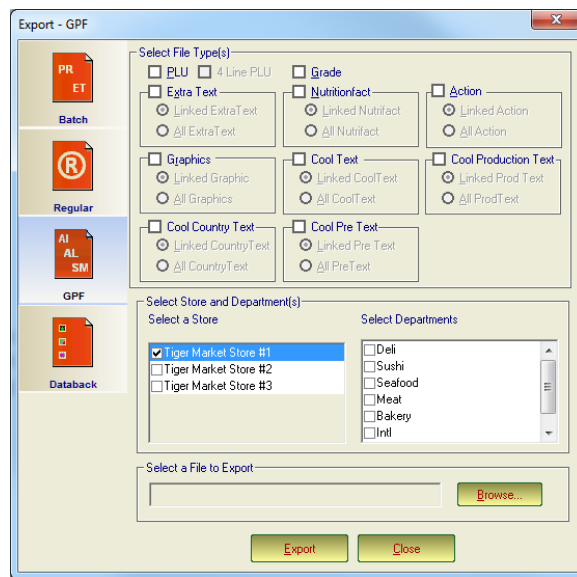


**Export GPF (ScaleVision Generic Pending File)**

# Export Databack

Databack is a file format used by Mettler Toledo Databack, WinDataback, or MT-Snap applications to backup or restore scale data. MT-SmartX can support the Databack files that have an extension of 000 or specific file types as show below.

1. PLU file = .plu
2. EXTRATEXT file = .ext
3. NUTRIFACTS file = .nut
4. GRAPHICS = .gra

- Click the Databack icon.
- Select the fields to export (PLU, Extratext, Nutrition facts, and Graphics, etc.).
- Enter the file name and location to save the file by clicking on the browse buttons (…) for each field.

■ Select the Store and Departments to export.

■ Click the Export button to start exporting data.
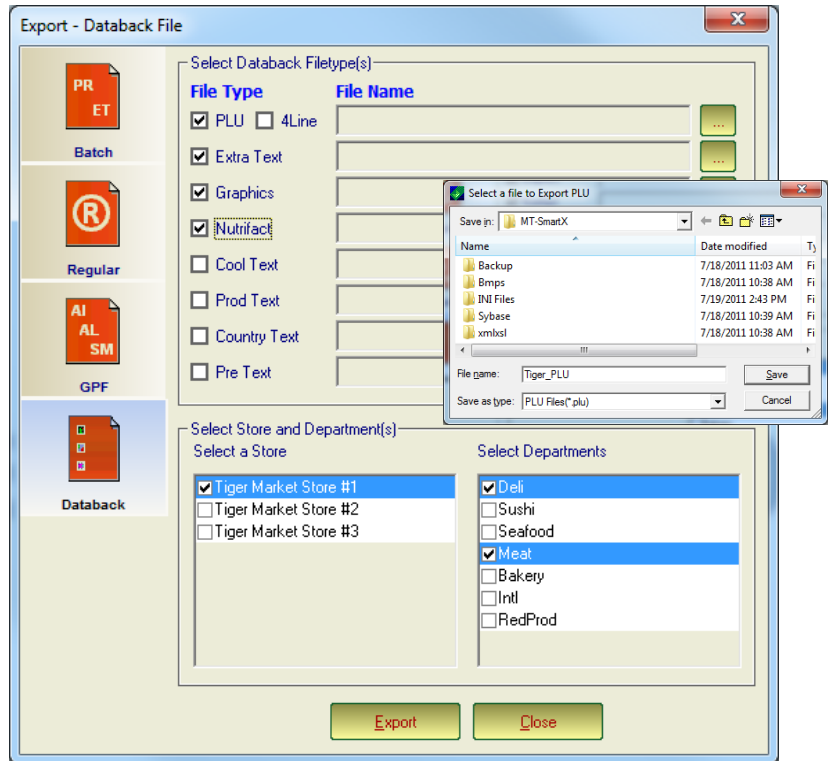


**Export Databack Files**

# Scale Download

Scale Download is used to load the database into a scale. This must be performed anytime a new scale is added into the MT-SmartX system.

■ Click on the Communication menu and select **Download** or click on the Scale Download icon on the toolbar.

■ Select the Store and Scale to download data by clicking on the store and then the Scale. Click Next to continue.

**Scale Download - Select Store and Scales**

■ Select the departments and the data fields or All. Also select whether to send the department address and to clear scale memory by selected the checkboxes at the bottom of the screen. Click Next to continue.

**Scale Download - Select Departments and Date**

■ Select the time and date. Select Now, Tonight, or enter a custom time. Click Finish to complete the download.

# Backup/Restore

Using the Backup/Restore function will allow you to:

- Backup the complete MT-SmartX database to a location of your choice in your hard drive or a network drive.
- Restore a complete MT-SmartX application.

The Backup function should be performed on a regular basis to protect against loss of data in the event of PC hard disk or equipment failure. The MT-SmartX backup function backs up the complete database file to a network drive, local disk or any external storage device that is accessible from the application.

# Backup database

To back-up database;

When backing up the data it is recommended to store your backup on the network.

Recommended file naming conventions is SmartX_currentdate

- From the menu select File → Backup.
- Select the Backup Option.
- Click the browse button (…) and select the drive and folder where you would like to save the database.
- Type the backup name and click Save.
- Click the Backup button.
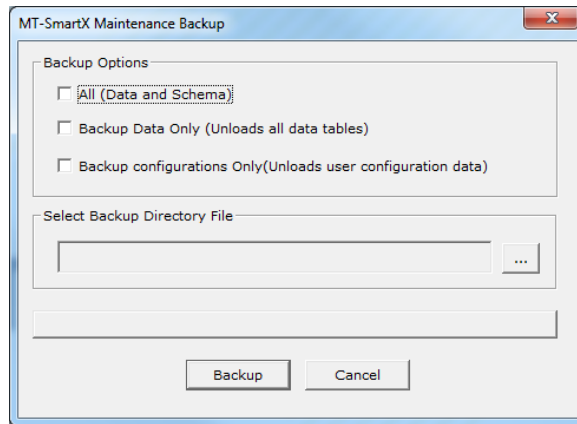


**Backup Database**

# Restore database

To restore a database from previous a backup:

- From the menu select File → Restore.
- Click the browse button (…) and navigate to where the database file is located.
- Highlight the file and click Save.
- Press the Restore button.
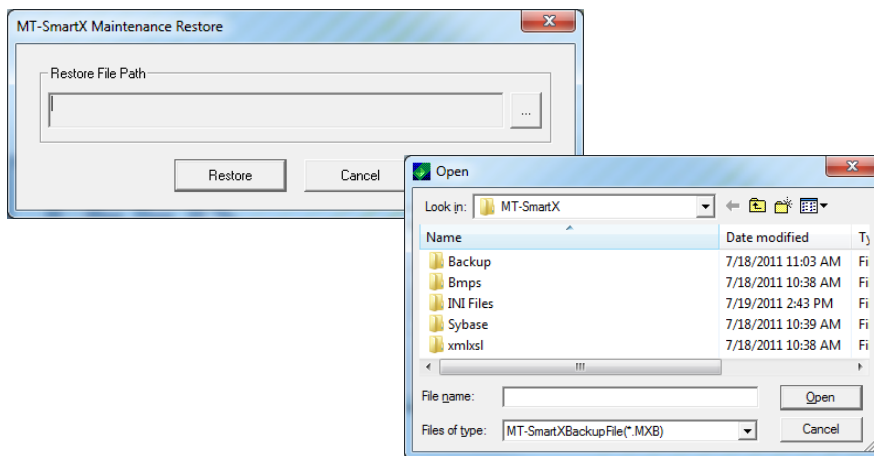
**Restore Database**

# Database

## Record Status

After you have imported data into the MT-SmartX application you can check the database status to see how much information is currently available by simply selecting File →Database → Record Status from the menu bar.

The database status shows detailed information such as total PLU by department, ingredients, nutrition, graphics, action and grade table.
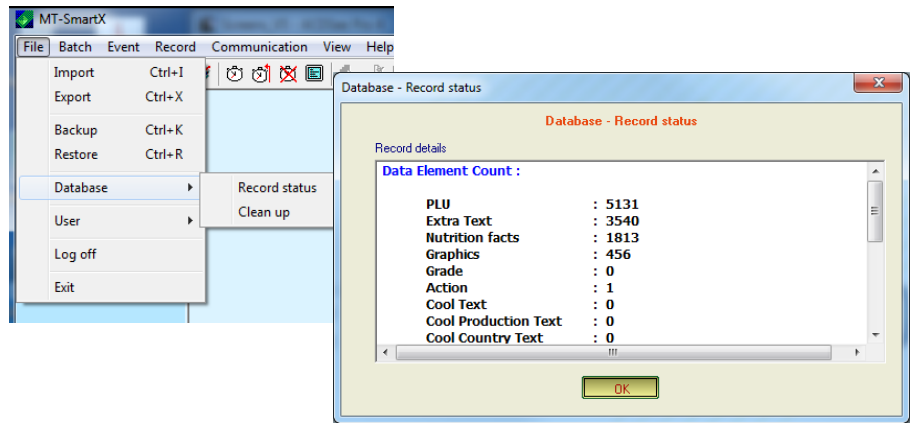


**Database Status**

## Initialize

This function is only available when logged in as the administrator.

**Caution! This function will erase the complete contents of the database and reset to factory default status.**
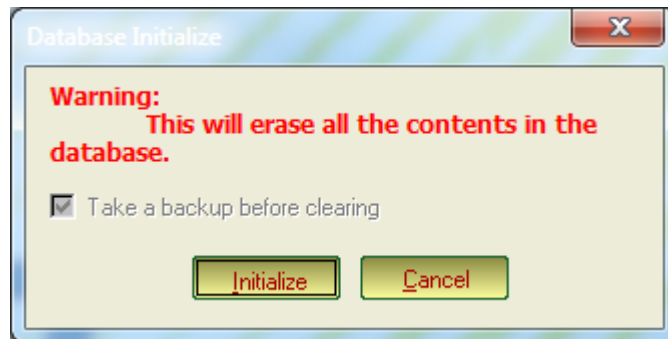


**Database Initialize**

# Change DB Password

To change the database password, click the File menu and select Database / Change DB Password.  WARNING: Changing the password to the database may prevent Mettler Toledo from troubleshooting and/or repairing your database if the new password is misplaced or forgotten.   This function is only available to an Administrator on a Server or Standalone instance.
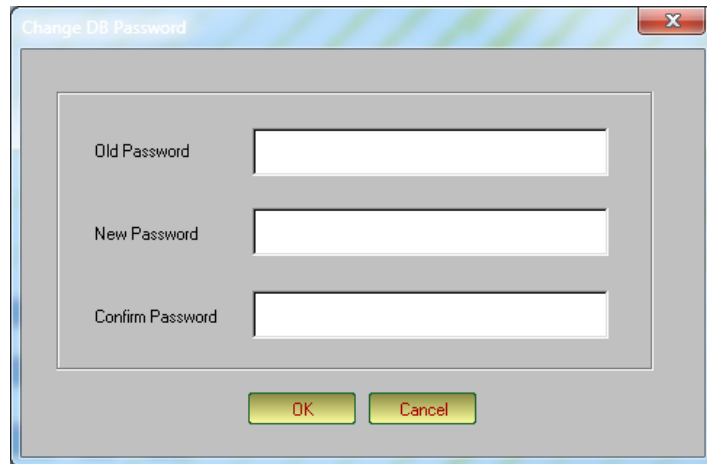


**Change DB Password**

# Password Reset

To reset any of the passwords used in MT-SmartX, click the File menu and select User / Reset Password.
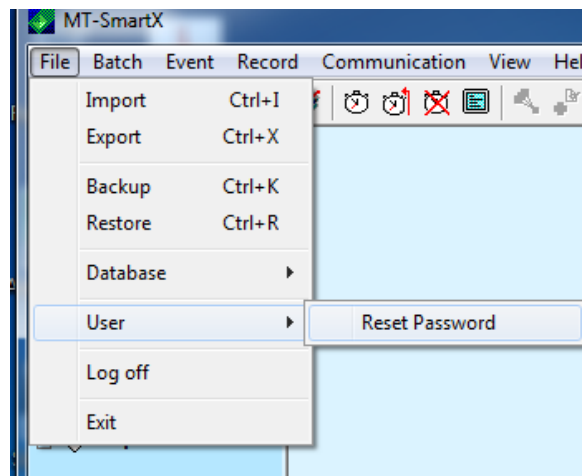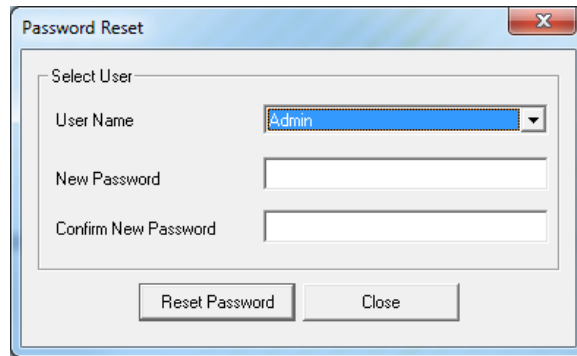
# Logoff

To log in as a different user or to end the editing session, click on the File menu and click on Logoff.

# Exit



To close the MT-SmartX program, click the Exit button or click File and the select Exit.

# 4     Data Maintenance

## Overview

This chapter contains procedures for updating and maintaining data. All of these changes will be made using the Client.

## The Process Flow

The MT-SmartX process flow is outlined in the diagram below:
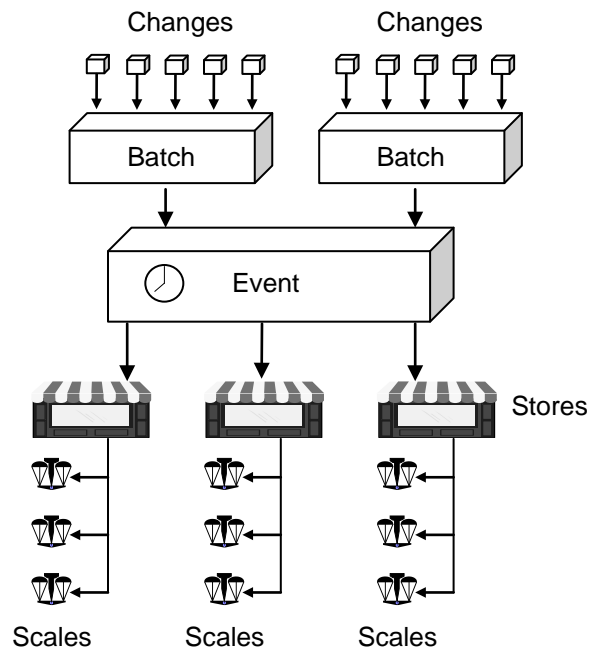


Changes to the data are made in batches. Batches are then sent to one or more stores using an **event**. You can schedule events to be sent at a specific date and time.

The event will contain the batches, the stores to send to, the send date and time, and the date and time of activation (when the changes are to take effect).

When the scale receives the event, a series of logs will be sent back to verify that the information was received properly. How to use logs and store responses are covered in a separate section.

## Making and Scheduling Data Changes

The process of changing data is easy (see flow chart on next page). You must open a batch. When you have made changes to a record, you post them to the batch. When you have completed the changes and closed the batch, you may schedule the batch in an event that will be sent to one or more stores.

**Data Maintenance and Event Scheduling Process**

```
┌─────────────────────┐
│   Start MT-SmartX   │
└─────────────────────┘
           │
           ▼
┌─────────────────────────────────┐
│         Open a batch            │◄────────────┐
│ Regular, Extratext, Grade, Action,│            │
│ Nutrition Fact, Price Only, On Sale│           │
└─────────────────────────────────┘             │
           │                                      │
           ▼                                      │
┌─────────────────────┐                          │
│    Add, Modify or   │                          │
│  Delete your records│                          │
└─────────────────────┘                          │
           │                                      │
           ▼                                      │
┌─────────────────────┐                          │
│   Close the Batch   │                          │
└─────────────────────┘                          │
           │                                      │
           ▼                                      │
        ◇ Done ◇                                  │
        ◇ With  ◇──────── NO ────────────────────┘
        ◇ Changes ◇
           │
          YES
           ▼
┌─────────────────────┐
│    Open an Event    │
└─────────────────────┘
           │
           ▼
┌─────────────────────┐
│   Add Batches to    │
│       Events        │
└─────────────────────┘
           │
           ▼
┌─────────────────────┐
│    Select Stores    │
└─────────────────────┘
           │
           ▼
┌─────────────────────┐
│  Select Time to Send│
└─────────────────────┘
           │
           ▼
┌─────────────────────┐
│       Finish        │
└─────────────────────┘
```
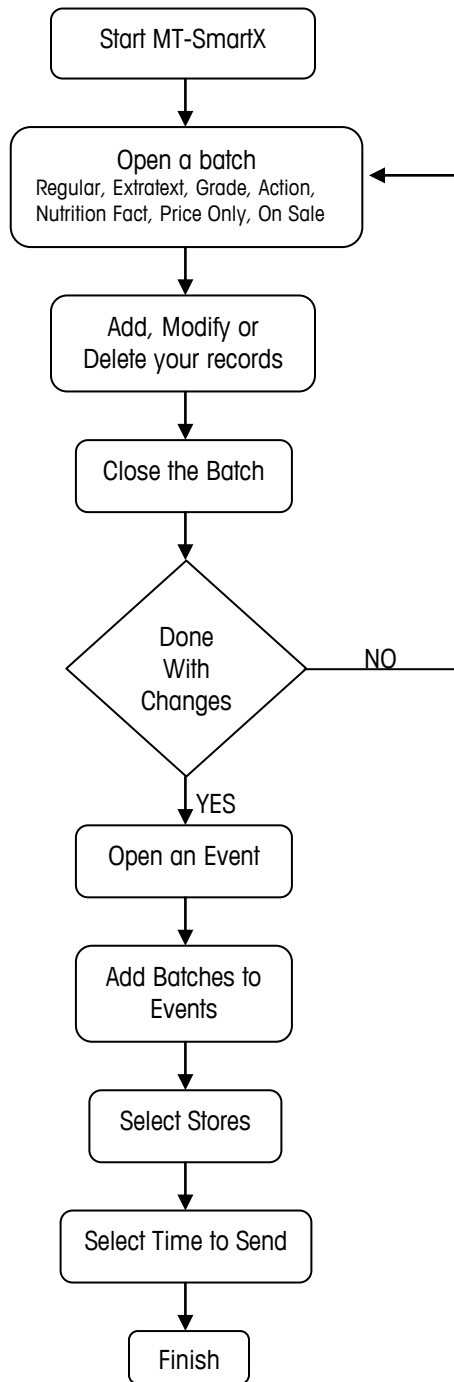
**MT-SmartX** application has 2 modes of operation, "view" mode or "batch" mode. **View mode** will only allow you to view existing records in your database. **MT-SmartX** starts in view mode. Changes to the database can only be made in **Batch mode**. When finished changing the data and close the batch, the screen will return to view mode.

# Viewing the Database

**MT-SmartX** allows you to view the information for individual records. Each type of record (PLU, Extra Text, Nutrifact, Grade, Action, and Graphic) can be accessed by clicking on selections under the Data Management menu tree.

You must press ENTER after typing in the key field.

Each page has one or more key fields used to pull up a record. The key field specifies which record to retrieve from the database. The PLU tab has two key fields, "PLU No." and "Department" which together look up a unique PLU record. The other tabs have one key field. For example, the "Extra Text No." is the key field for extra text records. The key fields are located in the upper left corner of the tab's page. If you enter a record that is not in the database, the status bar on the bottom left of the screen will read "Record Not Found."

In view mode, you may only select a Department and the number of the PLU record you want to view. To scroll through your current records, use the navigation toolbar shown at left. To view a list of existing records, click the list button (down arrow at left).

When you create a batch, **MT-SmartX** enters Batch mode. When the batch is closed, MT-SmartX returns to view mode.
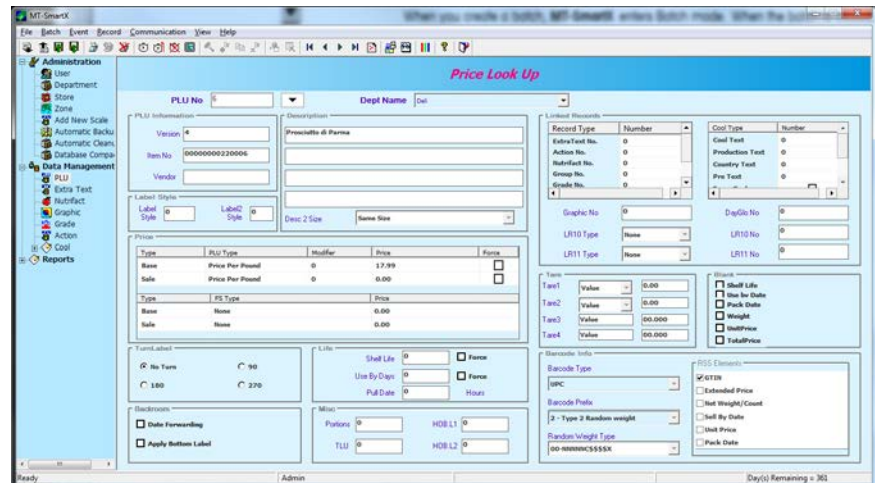


**PLU View Screen**

# Batch Types

A batch can be created and edited over several sessions and will not become part of the master database until an event is scheduled and sent to the stores. More than one batch can be created and eight different batch types can be used. The different types of batches are as follows:

- **Regular** - This type of batch file must be used to add, modify, or delete any of the fields in a PLU record.

- **Price Only** – This type of batch is used when you only want to make price changes.

- **On Sale** - Sale batches are for temporary price-only changes to existing PLU records. When this type of batch is used, **MT-SmartX** automatically creates an **Off-Sale** batch that contains the pre-sale prices for the same records selected in the sale batch. The Off-Sale batch can be used to automatically change the sale prices back to the pre-sale prices after the sale period has expired.

- **FS On Sale** – FS (Frequent Shopper) On Sale batches are similar to regular On Sale batches and are used to post a temporary price for the Frequent Shopper pricing. An Off Sale batch is automatically created. When creating an event, MT-SmartX will ask if an Off Sale event should be created for later posting.

- **Extra Text** - Contains additions, deletions, or modifications to be posted to the Extra Text file.

- **Action** - This batch type is used to update the scale action messages. Action records can create a behavior such as override the store address line, display a message or marquee. Hobart Actions are not supported.

- **Nutrifact** - This batch type is used to create or modify the Nutrition Facts printed on the label.

- **Graphic** - This file is used to add, modify, or delete the graphics records for type 9 scales.  Hobart Graphics are not supported.

- **Grade –** This type of batch is used to add and modify the grade table.

- **Cool** – Batch used to add or modify COOL records (Country of Origin Labeling).

# Batch Open

1. Click the "**Batch Open**" button on the toolbar, **Ctrl-B** on the keyboard, or click on the menu **Batch → Open**.



**Batch Open Screen**

2. If this is new batch, click the "New" button and check the "Type" of batch. The Application will generate a default name based on the user, date or department or you can enter your own name for the batch. By clicking one of the options at the bottom of the box, you can change the format for the default batch name. Click "**OK**" when finished with the name.



**New Batch**

3. If this is an existing batch double click on the batch name or click on the batch and click "OK". Using the "Filter" drop-down box, you can display only certain types of batches. This is useful when there may be a large number of batches displayed.

4. After you click OK, the Batch Open screen will close and you will be able to modify data.

The name of the batch is visible in the upper left corner next to the application name. Make sure your batch name is indicated when you are making changes to data.

When you have completed your changes to the batch, close it. If necessary, you can reopen it later to edit the batch. Once the batch is put into an event however, it can no longer be edited.

# Regular Batch

Regular Batches will display all of the fields available in the PLU record. PLU Batches are used to create a new PLU, edit an existing PLU, and delete a PLU.

1.  Open a new or existing regular batch.

2.  Select the department by clicking on the drop down **Dept Name** list.
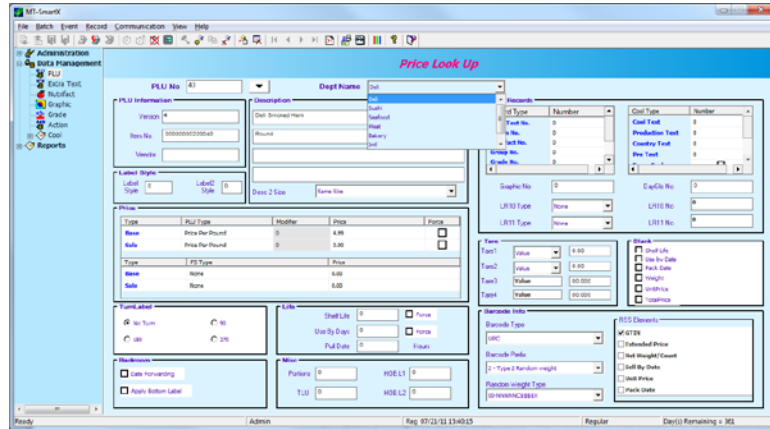


3.  **PLU Number** - Type the PLU number in the PLU Number field or click the search button to list existing PLUs. From the search screen a record can be located using a number or value. If the PLU does not exist, you will receive a message "PLU Not Found, Do you want to Create One?" Fields requiring a value will be colored green.

MT-SmartX automatically creates an ITEM\UPC number same as a PLU number
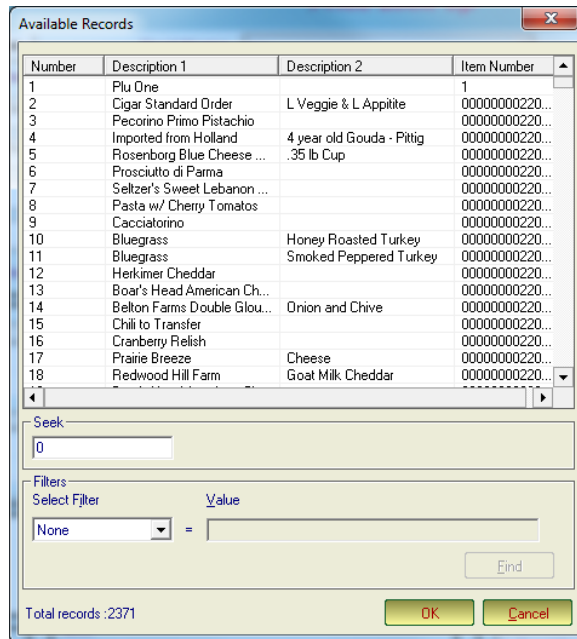


**Search Screen**

4. **Vendor Number** – This is an optional field that is not required by the Scale, but can be used by the operator to track the product Vendor for reporting purposes.

5. **Description Line 1 and Line 2** – The PLU description can contain up to two lines of 32 characters per line. When entering description, you do not have to insert trailing or leading spaces to center the text. The scales will automatically center the description. Line 1 is a required field and line 2 is optional.

6. **Description Line 2 Size** – This field increases or decreases the font size on Second Line description.

7. **Frequent Shopper type, price and label style.** -
   Frequent shoppers prices are a means to merchandise and promote product sales. Some scales can print this second price and the savings on the label. When the customer presents their membership card, the special price is charged instead of the list price. There are five frequent shopper types and each of these types corresponds to a Frequent Shopper Value. If you do *not* want Frequent Shopper Prices, select "None" to disable this feature.

   **List Price -** Similar to a Mfg. Suggested List Price. The amount entered is always higher than the PLU unit 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. Both the list price and regular total price will print on the label. The customer receives the discounted total price.

   **Member Price**

   Discounted price for by-weight, by-count, or std. pack PLUs. The Frequent Shopper Value is the exact amount to be charged for that item. For example, 1.99 means charge $1.99 for that item.

   **Percent Discount**

   Percentage taken off the unit price for by-weight, by-count, or std. pack PLUs. The Frequent Shopper Value is represented as a percentage. For example, 15 means charge the customer 15 % less per LB (or whatever unit is given to the item).

   **Discount per Pack**

   A specific amount taken off the total price for by-weight, by-count, or standard pack PLUs. The Frequent Shopper Value is represented as a number. For example, .99 means reduce the total price of the package by 99 cents.

   **Discount per Unit**

   A specific amount off the unit price for by-weight PLUs. The Frequent Shopper Value is represented as a number. For example .50 means take 50 cents off per lb.

   Frequent shopper values can be entered for PLUs in a zone, or individually for PLUs to be used in all stores.

8. **Label Style** – Label Style field is usually associated with Frequent Shopper pricing. For the Frequent Shopper price to display on the label, a correct label format number must be assigned to a PLU. This field supports up to 9 label styles (0-7).

9. **Price** - The two types of prices are **base** and **sale**. The base price is the everyday price of the item. The sale price is the price of the item on sale for a limited time (you determine the sale dates when you schedule an event). The price per unit is

entered in this field. The price can be any number between 00.00 and $9999.99. Up to 99 price zones can be configured. A **Forced Price** can be used by enabling the check box while in the price field to force the scale operator to manually enter the price when the PLU is called up at the scale.

When there is only one zone configured, the price will be shown on the PLU screen.

| Type | PLU Type | Modifier | Price | Force |
|------|----------|----------|-------|-------|
| Base | Price Per Pound | 0 | 17.99 | ☐ |
| Sale | Price Per Pound | 0 | 0.00 | ☐ |

| Type | FS Type | Price |
|------|---------|-------|
| Base | None | 0.00 |
| Sale | None | 0.00 |

When more than one zone is configured, the button must be clicked to edit the regular or frequent shopper pricing.



To add another price record, **Right-Click** in the price grid and select Add Row
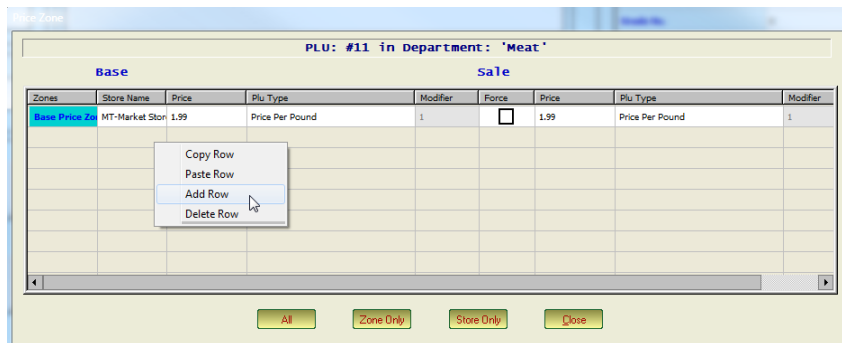


**Add a Price for a different Zone or Store**

Under the Store Name select the store name or select the line of dashes "--------", which defines this as a Zone record.

Select the appropriate Zone under the Zones column.



**NOTE:** Store level records override Zone level records. This is true with Price Records, Frequent Shopper records, or Tare Records.

10. **PLU Type** – The pricing mode of the PLU can be selected by clicking on the field drop down menu.
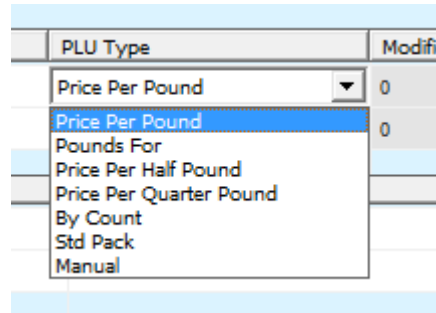
**PLU Type (Pricing mode)**

The PLU type is used with a modifier. The modifier can be 1 to 99. The default of one will have no effect on PLU type or price. The modifier is used with the different PLU types as follows:

| PLU Type | Modifier | Function |
|---|---|---|
| Price Per Pound | 0 | No effect.  Per pound pricing in effect. |
| Pounds For | 2-99 | Enables Lb.-For Pricing (Ex: 6 lb for $2.99) |
| Price per Half Pound | 2 | Price will be per half pound. |
| Price per Quarter Pound | 4 | Price will be per quarter pound. |
| By-Count | 1-99 | Quantity of By-Count (Ex: 10 for $1.99) |
| Standard Pack | 1-99 | Used for # pieces.  Also uses the net weight field to identify the weight printed on the label. |

11. **Turn Label** – Turn Label is used in the Meat room wrappers to select the orientation of the label on the meat package.

12. **Backroom Options** – Use for date forwarding or apply bottom label.

13. **Life** - **Shelf life** is the number of days until the product must be sold or used. **Use-By Days** is the number of days until the use-by date. **Pull Date** is the number of hours when the product must be removed from the case. Shelf and Use-By can be forced by checking the force box. The values must be numeric with a value between 0 and 999.

14. **Miscellaneous** – Currently Not Supported

15. **Link Records** – Link records are an Extra Text, Action, Nutrifact, Group, Grade, or Satellite Graphic that can be linked to the PLU record and called automatically when the operator enters the PLU on the scale.

16. **Tare 1/Net Weight** - Tare is the amount of weight you subtract from the item to account for the container. Because a number of different containers may be used, you can enter several different tares for a given PLU. The tare number used (i.e. Tare 1, Tare 2) is determined by the scale's configuration. - The tare can be any number between 0 and 99.99 lb.

When the Package Code is a type 3 (Standard Pack), this field is where the net weight, in oz, is entered (decimal point is ignored for Package Code). A Forced Tare can be used by pressing the check box in the tare field to force the scale operator to manually enter the tare when the PLU is called up at the scale.

**Tare 2** - This field allows you to enter an alternate tare value that can be used instead of the first tare.

17. **Blanked Prefix** - This field allows you to select those fields which you do not want to see on the label.  More than one field can be selected by pressing the checkbox next to the field. Options include:

   – Shelf Life

   – Use by

   – Pack date

   – Weight

   – Unit Price

   – Total Price

18. **Bar Code Type and RSS Elements –** On scales that support it, the barcode type field selects the barcode symbology used on the label. When the type is RSS, the RSS elements to include in the barcode can be selected in the RSS elements group box.

19. **Bar Code Prefix** - By pressing **drop down arrow**, a list the available Bar Code Types, from which you can select. The available Bar Code Types include:

   Type 0 – General Merchandise

   Type 1 – General Merchandise

   Type 2 – Random Weight

   Type 3 – National Drug & Nation Health

   Type 4 – In-store marking of non-food items

   Type 5 – For use on Coupons

   Type 6 – Random Weight

   Type 7-98 – Not Defined

   Type 99 – Use scale setup

20. **Random Weight Type** – Again, by pressing **drop down arrow**, a window pops up from which you can select one of the following choices by highlighting it and hitting enter:

   – Price Check digit

   – Hard zero-price

   – 6 digit item number -- price

   – 5 digit price

   – Weight check digit

   – Hard zero - weight

   – 6 digit item number – weight

When finished editing the PLU record, press Ctrl-U or click the Update button on the toolbar. Continue to edit any other PLUs. After all the changes are made, close the batch using the close button or from the menu select, Batch and click on Close. An event must then be created to update the scales and the Mt-SmartX database. You can select one or several batches that can be in an event and schedule both the time and date the event is sent to the selected stores. The event can be created any time after the batch has been saved.

# Delete PLU Record

To delete a PLU record;

1. Open a regular Batch.

2. Type in the PLU number or click the search button.

3. On the toolbar, click Record Delete, press Ctrl-D on the keyboard, or from the menu click Record and select Delete.

4. Press Ctrl-U or click the Update button on the toolbar.

After you have made all the changes, you must close the batch. From the Menu select, Batch and click on Close. The screen will not change, but your batch has now been saved. You must now create an event to update the scales and/or the Mt-SmartX database. You can select the batches that will be in this event and schedule both the time and date the event is sent to the selected stores and the time and date it is applied to the scales in those stores. The event can be created any time after the batch has been saved.

# On-Sale, FS On-Sale, and Price Only Batches

On-Sale and FS On-Sale Batches are for temporary price-only changes to existing PLU records. When this type of batch is used, MT-SmartX automatically creates an Off-Sale batch that contains the pre-sale prices for the same records selected in the sale batch. The Off-Sale batch can be used to change the sale prices back to the pre-sale prices after the sale period has expired. A Price Only batch is used when only the price needs to be changed. No Off-Sale batch is created when using a Price Only batch.

To create an On-Sale/FS On-Sale, or Price Only batch;

1. Open a new batch and select On-Sale/FS On-Sale, or Price Only as the batch type.

2. Select Department by clicking on the dropdown menu.

3. Type the PLU number click on the search button to list PLUs.

4. Enter the new price and Press the Enter key to go back to the PLU number. This method will toggle between the PLU number and price fields. On FS batches, select the pricing type
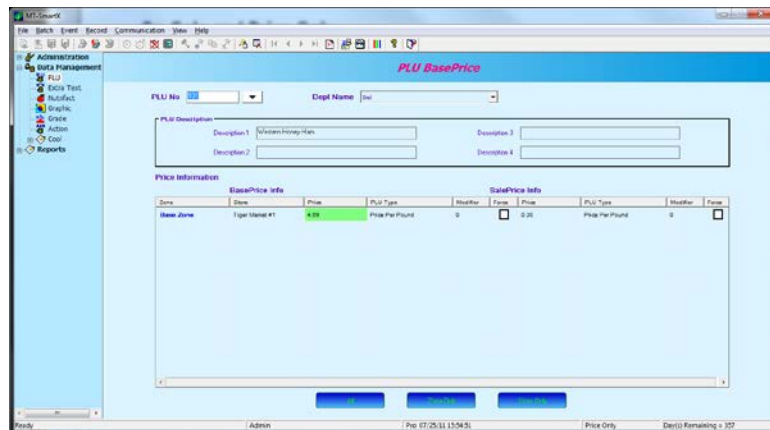


**On Sale Batch**
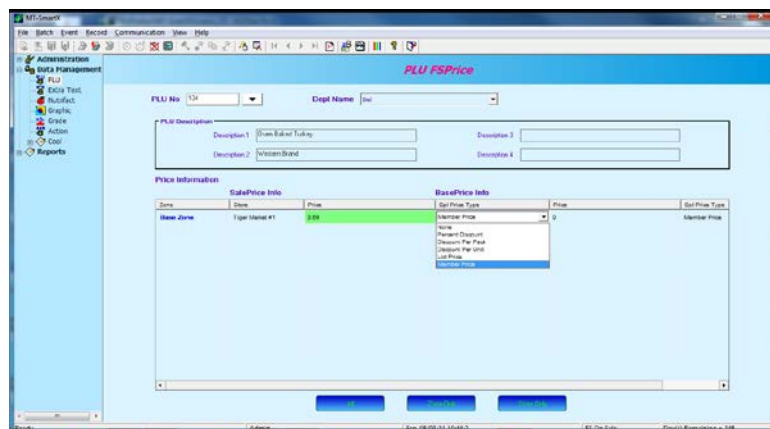


**FS On Sale Batch**

Press Ctrl-U or Update and then close the batch when finished.

# Extra Text Batch

Extra text records are blocks of text that can contain ingredients, cooking instructions, advertising messages, recipes, etc. The extra text records are assigned code numbers which are used to link the code with PLU numbers. The extra text editor is used to create or modify or delete extra text records.

To add/copy/modify Extra Text records;

1. Open an existing batch or new batch. The batch can be an Extra Text batch or regular Batch (refer to section on creating a batch).

2. Click on Extra Text from the explorer bar. Type in a new Extra Text number or click the drop down menu to display a list of existing records. If the Extra Text record does not exist you will get message on the display asking you to create a new record.

3. Select the characters per line – options are 32, 42, and 54. SmartTouch and Hobart Quantum and Ultima Scales are the only ones that support characters per line of 54.

4. Type in the text. A link to another text record can bee inserted using a right mouse click.
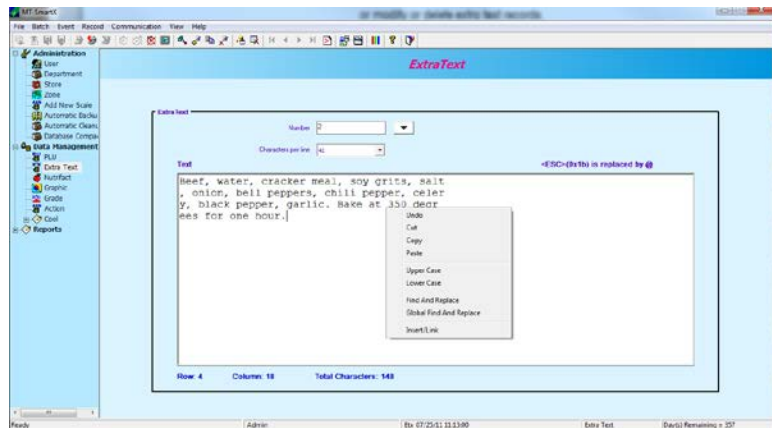


**Click on the text number to link or insert and click OK.**



Note: Make sure you have added the Extratext Link Number of the Extra text record you are currently modifying
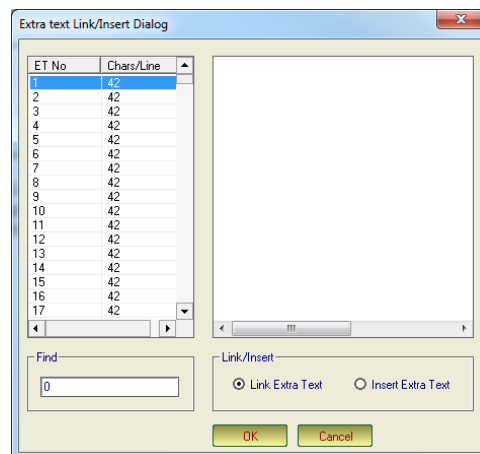
**Link Extra Text or Insert Extra Text**

5. Check Link or Insert Extra Text and click the OK button.

**Link** inserts inside the current record's extra text field a link to the contents of your selected extra text number. Any changes you make to your extra text selection at a later time will be reflected in the current record's extra text field.

**Insert** will only insert into the current record's extra text field the text of your extra text selection. Subsequent changes to your selection will NOT appear in the current record.

7. Press the Update Record button, CTRL-U, or Select Record → Update from the Menu bar

# Find and Replace

**Find and Replace** searches for a selection of text within the text field. You have the option of making the search case sensitive. For example to search for the word **cook** instead of **Cook**. You may also choose the Replace option to replace the text that you have found. This feature will NOT search through records currently in batches.

**Using Find and Replace:**

- Open an existing batch.

- Click the Extra Text tab and select the Extra Text record through which you would like to search.

- Right-click the extra text field and choose the "Find and Replace" menu option. The Find and Replace window appears.
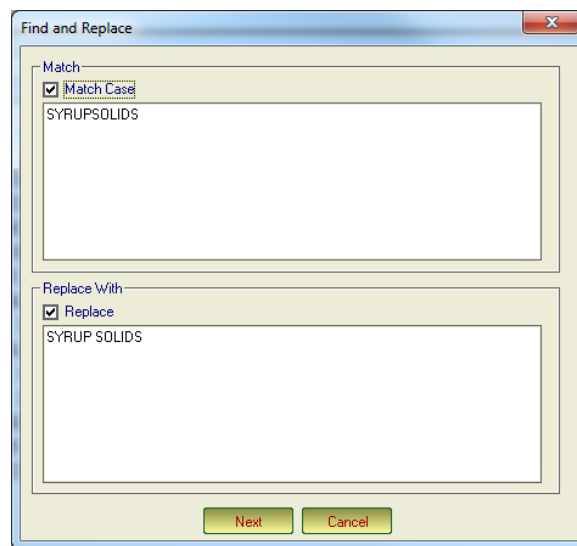


**Find & Replace**

- Type or copy the word(s) you wish to find in the **Match** field. If you need to perform a case-sensitive search, select **Match Case**.

- To find and replace the text, click the **Replace With** field and enter the word(s) with which to replace the found text. Click the Next button.

- MT-SmartX will return with a list of all of the Extra Text records that contain the word or phrase. The replace can be applied to a single record or all. To apply only to selected records, click the record number and then click the Apply button to apply to that specific record. To apply to all the records, click the "Apply to All" button.
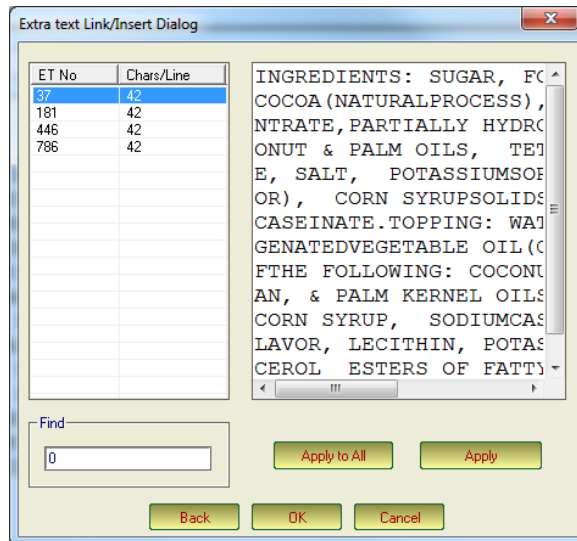
**Find & Replace Apply/Apply to All**

- To exit without saving, click the Back button. To exit and save the changes, click the OK button.

# Copying Extra Text

To copy an Extra Text record into a new record:

1. Open an existing batch or new batch.

2. Select the Extra Text by typing in the number or clicking the list button. If the Extra Text record does not exist you will get message on the display asking you to create a new record.

3. From the menu bar select Record → Copy, press CTRL-C, or click on the Copy Record button on the toolbar.

4. You will be asked to type in the new Extra Text number for the new record.
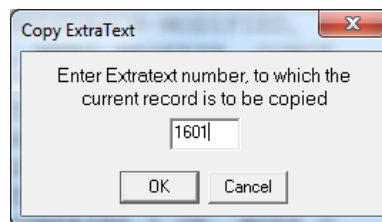


5. Click OK to create the record or Cancel to quit.

# Delete Extra Text

To delete an extra text record:

1. Open an existing batch or new batch.

2. Select the Extra Text link by typing the number or clicking the search button.

3. From the toolbar click the Delete Record button or from the menu select Record → Delete.

4. Click Yes to confirm the record delete or No to cancel.
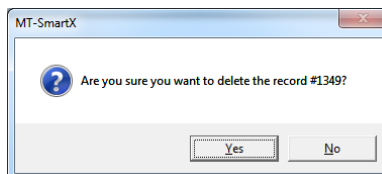
After you have made all the changes, you must close the batch. From the Menu select, Batch and click on Close. The record will be deleted when the batch is run.

# Nutrifacts

**Nutrition Facts** or Nutrifacts are used to print dietary information on labels as required by FDA 21 CFR part 101.

Each Nutrifact is assigned a number that is used to link it to one or more PLUs. If you are in a batch, you can use the Nutrifact link from the explorer bar to edit or create Nutrifact records. To see which PLUs the Nutrifact is linked to, use the Associations button (see left) on the toolbar.
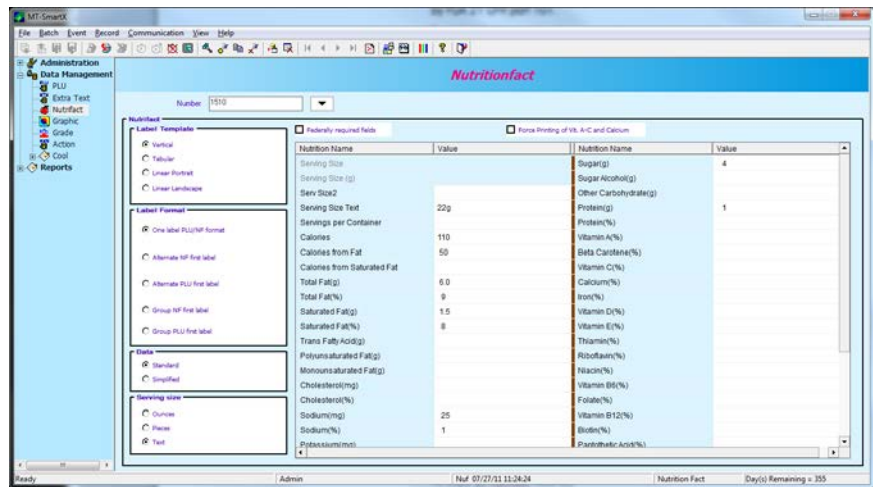


**Nutrifacts Screen (All Fields shown)**

You can display only federally required Nutrifact information by checking the box titled Federally Required Fields. You will no longer be able to enter data in the extra fields.
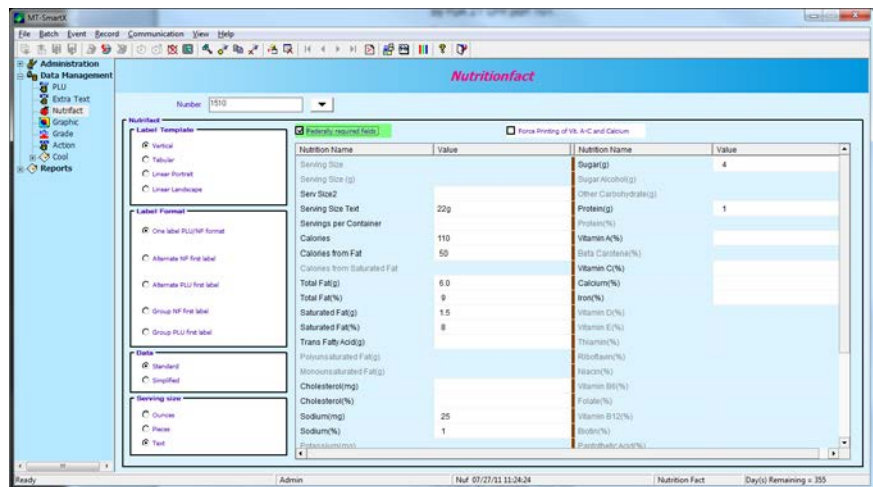


**Nutrifacts Screen (Only Federally Required Fields shown)**

To update a Nutrifact record:

1. Open an existing or create a new Extra Text batch.

2. Each Nutrifact record must use a unique number that will be used to reference the Nutrifact record. If the record does not exist, you will get a message asking you to create one.

3. Type the Nutrifacts information in the appropriate fields.

4. Select any specific labeling requirements, Format, Data Type, and select the default serving size from the checkboxes on the left.



Nutrifact Label Template, Format, Data Type, and Serving Size

5. Once you have completed entering your data, update the record by pressing the Update button, pressing CTRL-U, or select Record → Update from the menu.

# Copy Nutrifact

To copy a record into a new record:

1. Open an existing batch or new batch.

2. Select the record to copy by typing in the number or clicking the list button

3. From the menu bar select Record → Copy, press CTRL-C, or click on the Copy Record button on the toolbar.

4. You will be asked to type in the number for the new record.



5. Click OK to create the record or Cancel to quit.

6. Once you have completed entering your data, update the record by pressing the Update button, press CTRL-U, or selecting Record → Update from the menu.

# Delete Nutrifact

To delete a record:

1. Open an existing batch or new batch.

2. Select and open the record typing the number or clicking the search button.

3. From the toolbar click the Delete Record button or from the menu select Record → Delete.

4. Click Yes to confirm the record delete or No to cancel.
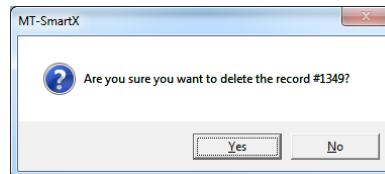
After you have made all the changes, you must close the batch. From the Menu select, Batch and click on Close. The record will be deleted when the batch is run.

# Graphic

Bitmapped monochrome or gray scale graphic images are used for printing on the labels. Graphic files can be used as Day-Glo or Linked Graphics. Monochrome images can be made using Microsoft Paint (.BMP extension) file. To create this, open Paint, pull down the Options menu, and select Image Attributes. In the window that pops up, select the Black and White Option, and the size of the graphic that is needed. When selecting the size, they must be made according to the size of labels that are used. Create the graphic, and then save it as a .bmp file in the folder C:\Program Files\Mettler Toledo\MT-SmartX.

Graphics are assigned numbers that are used to link the graphic with PLU numbers. The graphic number must then be entered into the PLU record.

Graphic links are supported for the Hobart® Ultima and Quantum. However, they do not allow you to create and download graphics through host software.

# Graphic Records

To update graphics records:

1. Open an existing or create a new batch and select Graphic for the type.

2. Enter a unique number in the Graphic No. box to create a new record or an existing number to modify a graphic record. To see existing graphics click the search button or press. If a new number is entered, click Yes to create the new record.
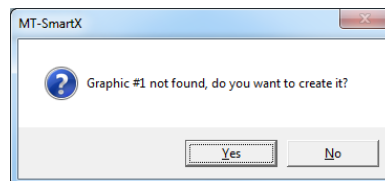


3. Type a unique name in the name field, up to 20 alphanumeric characters. (This name will be associated with the graphic.

4. Click the "Select Image" to bring up the graphic box.
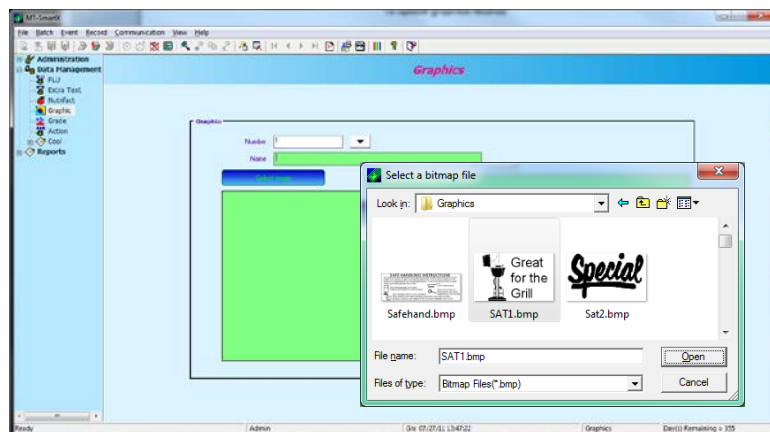


**Import Graphics**

5. Select a graphic by highlighting the graphic file from your file system and click Open to insert the graphic in the graphic box.
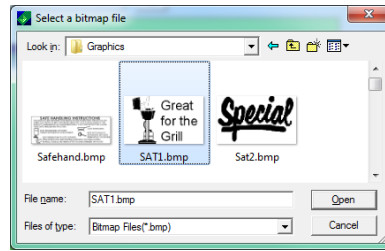
6.  Once you have completed, update the record by pressing the Update button, pressing CTRL-U, or selecting Record → Update from the menu.

# Delete Graphic Record

To delete a graphic record;

1.  Open an existing or create a new batch. This can be a regular batch or graphic Batch.



2.  Click the graphic link on the explorer bar to bring up the graphic window (see picture on the left). Enter an existing number to delete a graphic record. To see existing graphic numbers, click the downward-pointing triangle or press F2.

3.  From the menu bar select Record → Delete or Click on the Delete Record icon. See picture on the left.



After you have made all the changes, you must close the batch. From the Menu slect, Batch and click on Close.

You must now create an event to update the scales and/or the **MT-SmartX** database. You can select the batches that will be in this event and schedule both the time and date the event is sent to the selected stores and the time and date it is applied to the scales in those stores. The event can be created any time after the batch has been saved.
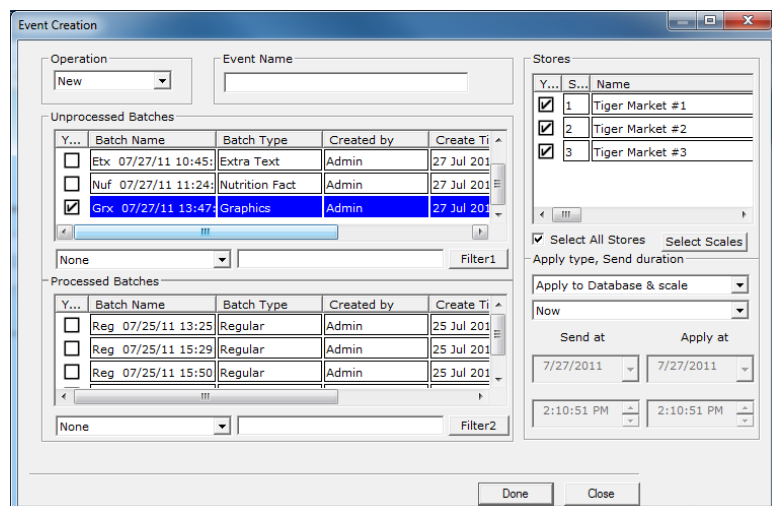


**Create Event to Update Graphic Batch to Scales**

# Grade

Grades can be assigned to PLU records that are referenced to grades 1-9 on the Type-4, 6, and 9 scales, or to grades 1-4 on the Type-2 8301 scales. The Type-4, 6, and 9 master scale grades must be programmed at the master and downloaded to the satellites before the grade will be printed. For no grade, enter a zero in this field. The grade records link the grade description with PLU numbers by using a number. The grade tab is used to create grade records. You then assign the grade number to the PLU. The grade number links the description to a particular PLU
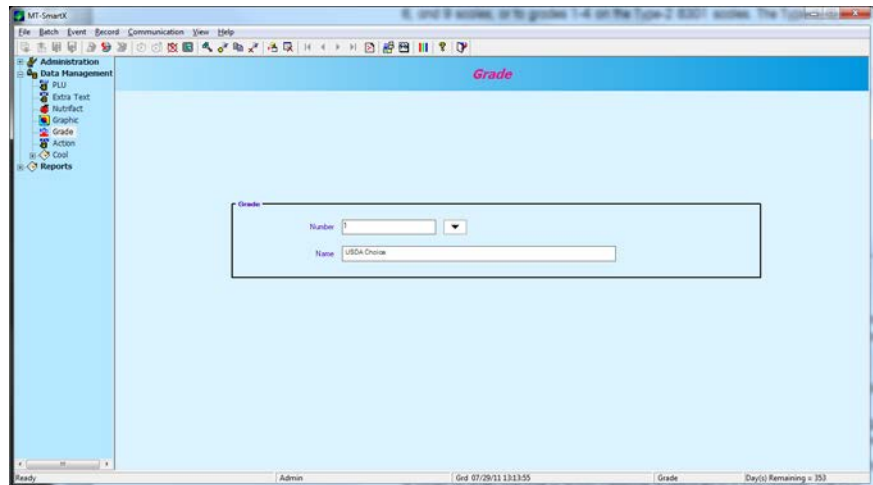


**Grade Batch**

To Create a Grade Message:

- Open an existing or create a new batch. This can be a Regular or Grade Batch.
- Click the Action link on the explorer bar to bring up the Action window.
- Enter a unique number in the Number field to create a new record or modify a Grade record.
- To see existing Grade numbers, click the Search button.
- Type in the Grade text up to 23 characters long.
- Close the batch and create an Event to send the batch to the desired scales.

# Action Messages

Action messages are programmable text that can be used to perform various actions when received at the scale. The action number record fields are described as follows:

**Number -** Valid numbers are 1 to 50 for action message codes.

The action message type determines where the action message will be used by scales.

**Type 1 -** Action messages will print on the store address line for PLU numbers assigned this action message. This message will overwrite the programmed store address line.

**Type 2** - Action messages will display on the scale's display screen when the PLU number is called up when this type of action message is assigned to a PLU number. The PLU description will not display when called up when this type of action message is programmed in the PLU record.

**Type 3** - Action messages are used for the scrolling marquee messages. One or more type-3 action messages can be linked to display long scrolling messages on the scales when they are not in use.

Each record is assigned a number and then you either assign that number to PLUs using zones or assign the number directly to a PLU.

# Create Action Text

To Create an Action Message:

1. Open an existing batch or create a new batch and select Action for the type.

2. Enter a number to create a new record or to call up an existing number to modify. To see existing Action messages, click the search button.

3. Select the Action Type using the drop down menu.

4. Type in the text in the Message field, up to 63 characters long.
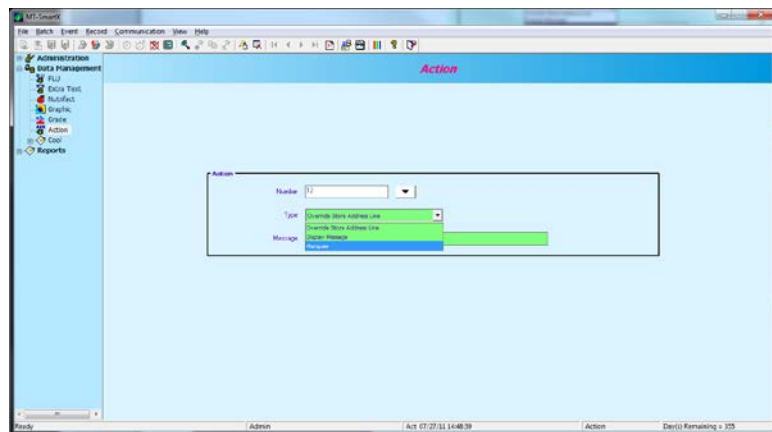


**Action Message Type**
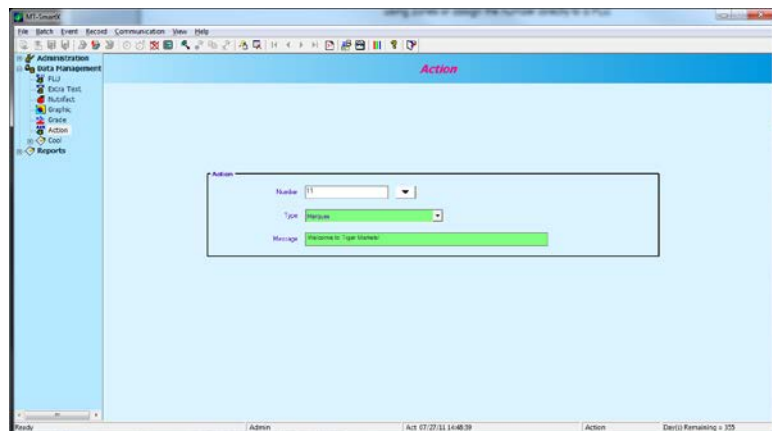


**Action Message Text**

5. Click the Update Record button, CTRL-U, or select menu Record, Update.

6. Close the batch upon completion of edits.

7. Schedule an Event to update the scales and the database.

# COOL

Country of Origin Labeling (COOL) is information that designates where a product came from and the processing it went through. COOL records must be assigned to a PLU in order to print. COOL implementation involves a combination of COOL Text Records, COOL Production Text Records, COOL Countries and possibly COOL Pretext.

COOL is supported through specialized Text Records and lists of extra text records that are associated with the PLU record. The operator can choose a preconfigured COOL statement or, in create custom COOL statements, and if enabled, enter tracking and Lot numbers.

The information is separated into lists and list elements. Lists are assigned to the PLU and consist of the record list elements presented to the operator. List elements are the actual text presented to the operator and printed on the label.

There are 4 types of COOL records:

- 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.
- 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.
- 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.
- 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.

All above types are created and maintained similarly. The first step is to create the list elements. The second step is to create the lists from the elements and the third step is to associate the lists with the PLU record. Like the other linked records, maintenance is done through batches. To add or edit COOL records, first open a new or an existing COOL batch.
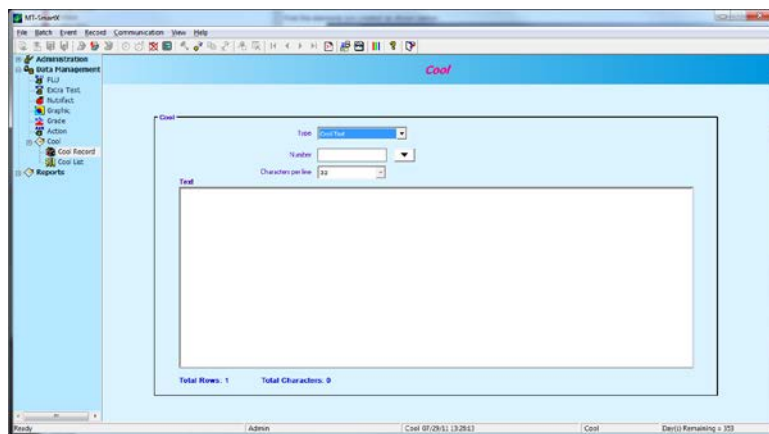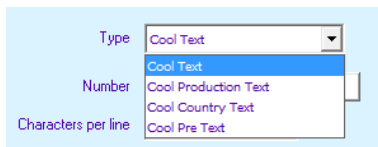
**COOL Batch**

To edit an existing record, type in the number or use the Search button to find the record. To add a new record, click the New Record button on the toolbar, press CTRL-N, or click on the menu and select Record, New.

Select the Type and enter the Number. According to the type selected, enter the new text. When complete update the record by clicking the Update Record button, CTRL-U, or selecting Record Update from the menu.
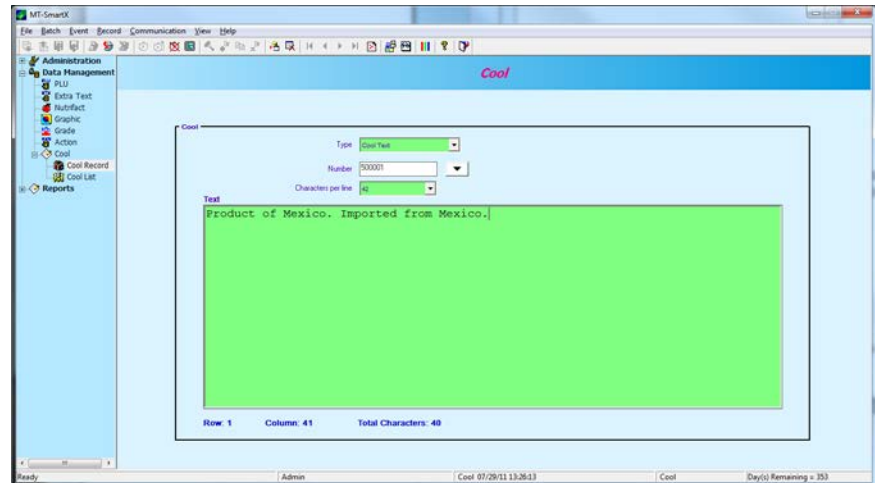


**Add new COOL Text Record**

When all elements are created, the lists are built for the elements. For example, this screen shows list number 8566 which is comprised of list elements 500031 and 500061. The box on the lower right shows the list as it would be presented to the scale operator.
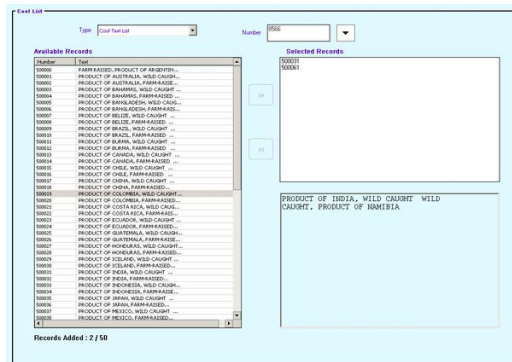


**COOL List**

After the record maintenance is complete, close the batch and create an Event to update the scales. When the COOL database is complete, a specific default COOL can be assigned to each PLU or this can be a forced function that would require the operator of the scale to assign the COOL to the PLU as the item is weighed.

# Events

An Event is used to update the scales and the **MT-SmartX** database. You can select the batches that will be in this event and schedule both the time and date the event is sent to the selected stores and the time and date it is applied to the scales in those stores. The event can be created any time after the batch has been saved.

# Create Event

To Create an Event:

1. Click the Open Event button or select Event → Open from the menu.
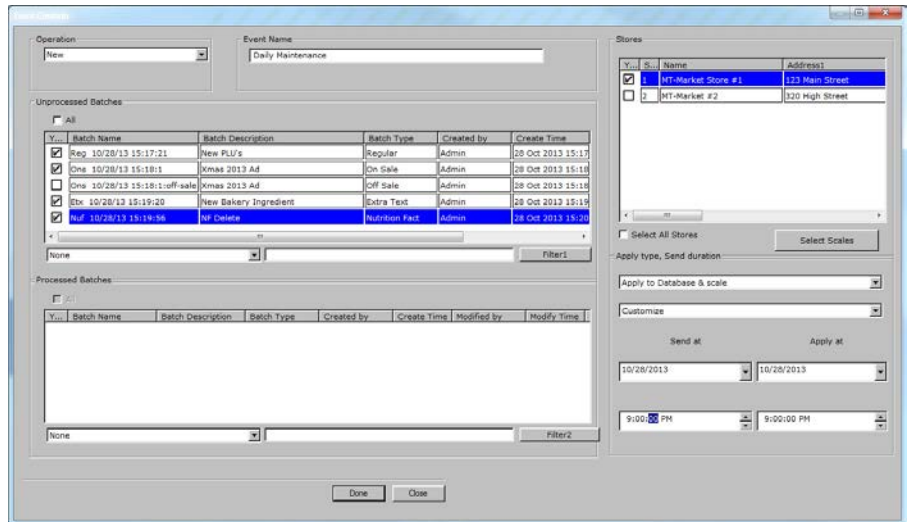


**Event Create Menu**



**Optionally select a scale**
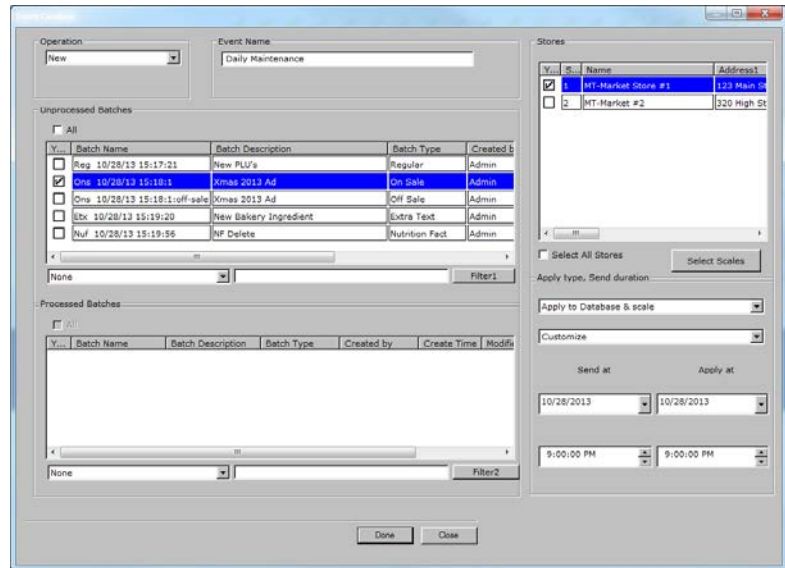
**From the drop down menu, select New to create a new event or select Modify to edit a previously created event. You can only modify events that are not complete. Once the Event is complete you can't modify it.**

2. Type in the Event Name for the new Event.

3. Under Unprocessed Batches or "Processed Batches" select the batch by clicking on the checkbox. You can select any combination of batches.

4. Select the stores or click on "Select All Stores" to automatically select all of the configured stores. When a store is selected, all scales in the store will automatically be updated. If needed, selected scales within the stores can be selected by clicking on the "Select Scales" button.

5. If you are creating a new database or making substantial changes that you will send to the stores later, make sure the default "Apply Changes to the Database and All Selected Stores" is checked. If you only want to update the MT-SmartX database, then select "Apply Changes to the Database Only".

6. You can schedule the date and time the change takes place and the time the change is sent to the stores. In most cases, these times will be the same, but in some instances, you might want to delay the date and time the event is sent to the stores. The "Send at" date/time is when changes will be applied to the **MT-SmartX** database and records are extracted to send to the store. The "Apply at" date/time is the time that the records will be applied to the scales in the stores.

7. Click the "Done" button once you are setting up the time.
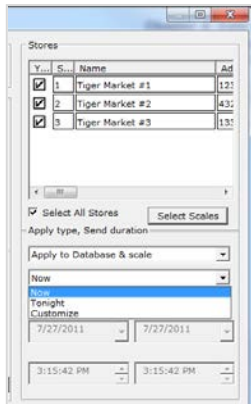


# On-Sale / Off-Sale Events

If the event type is for an On Sale batch, MT-SmartX will automatically create an Off-Sale event. This batch will replace the sale price with the base price and you can schedule it at a later date. You need to decide how long the sale will last, a date and time that the Off Sale will become effective and a date and time that the Off Sale will be applied to the scales in the stores.
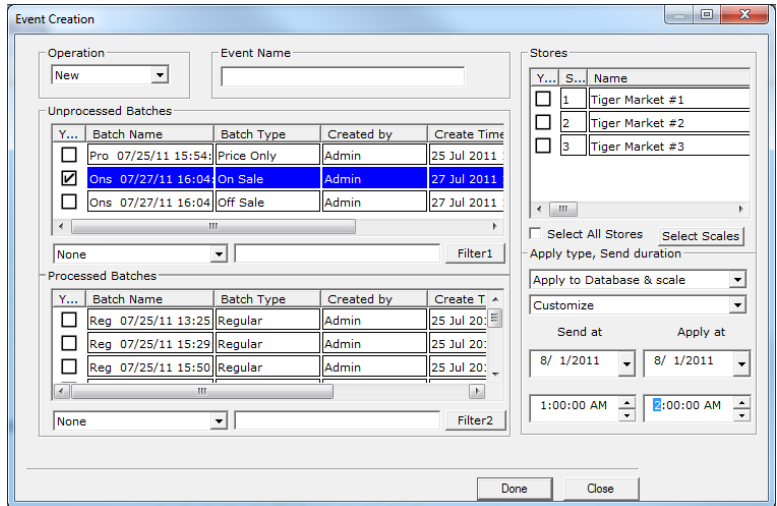
**On Sale / Off Sale Events**
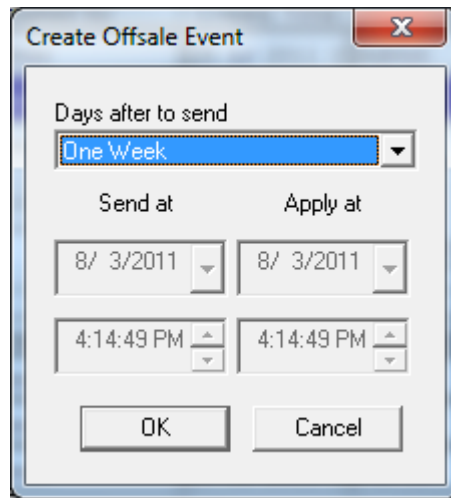


**On Sale / Off Sale Events**

# Resend Event

To resend an event, click Event and select Resend on the main menu. Click on the event and select the stores. Select the time and click OK. This will put the event back into the event scheduler.
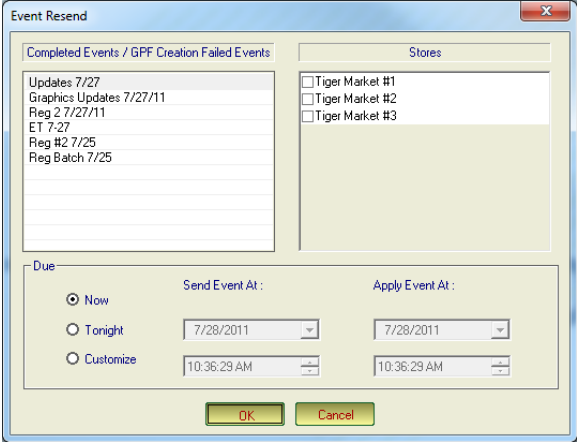


**Resend Event**

# Delete Event

To delete an event, click Event and select Delete from the main menu. This will delete the event only from the scheduler. It will not delete the actual batch file, so it can be sent at a later date.

Click on the event to select it, and then click the Delete button. Click Yes to confirm or No to exit without deleting.
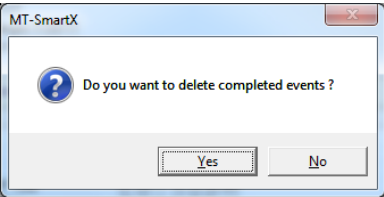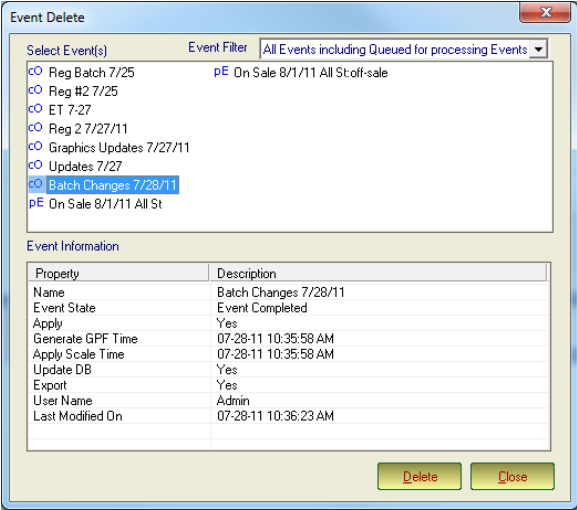


**Delete Event**

# Event Monitor

The Event Monitor displays the status of the event. At that point, it will mark the event complete. It also can display the status of the Event Update Agent and allow you to manage certain functions of the events such as suspend, resume, resend and delete.

To check the status of the events:

1. Select Event and click on Event Monitor from the menu bar and Event Monitor screen will open.

2. See Event Monitor Icons below.



**Event Monitor**

| | |
|---|---|
| **Refresh** | Refresh updates the screen and status of the event list. |
| **Suspend** | To suspend an event, highlight the event and click the Suspend button. The Event Monitor will display the "Status" of the Event as Suspended when this function is used. You can only suspend events that are in the pending status. |
| **Resume** | Click this button to Resume an event that was previously suspended. You can only resume events that are in the suspended status. |

| **Resend** | Resend will send an Event again. This is helpful if problems were encountered with scale communications when sending the Event. By resending the event from the Event Monitor, MT-SmartX will automatically resend the event to all the stores that previously received this event. To select only some of the stores, use the Resend function on the main menu. To resend Events: |
|:---:|:---|
| | Click the Resend button. <br> Select Events to resend <br> Select the stores <br> Select date and time |
| **Delete** | Delete will remove the Event from the scheduler. |
| **Show/Hide** | Show/Hide details. Click to toggle the detail information that displays at the bottom of the box. |
| **Exit** | Closes and exits the Event Monitor. |

# METTLER TOLEDO
**For your notes**

# 5

# Scales and Reports

## Scale Diagnosis

The Communication → Scale Diagnosis option retrieves scale diagnostic data from Mettler Toledo SmartTouch scales. Information such as extended status, communication status can be retrieved from the scales.
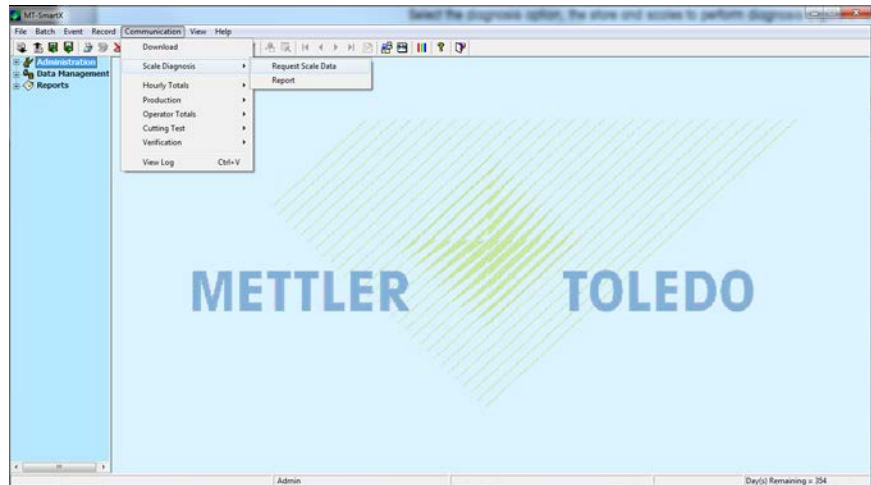


**Scale Diagnosis**

To perform Scale Diagnosis:

Select Communication → Scale Diagnosis → Request Scale Data from the menu.

Select the function, store, and scale and then click the Next button.
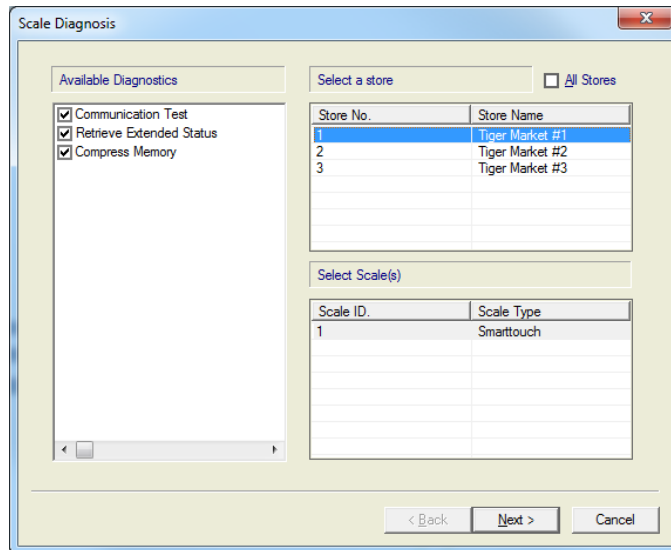


**Select Diagnostic, Store, and Scale**

Select the departments and time/date when to carry out the diagnostic tests. Click Finish once you have finished selecting your options. Note: Hobart scales do not support the Extended Status and Compress Memory.
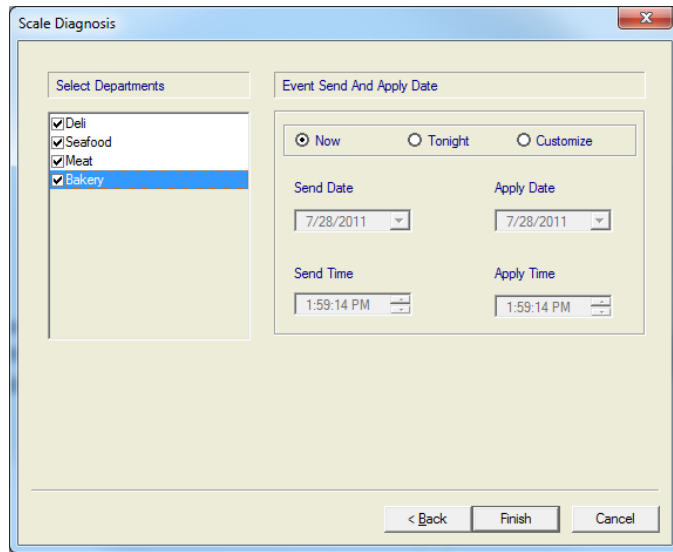


**Scale Diagnosis Option**
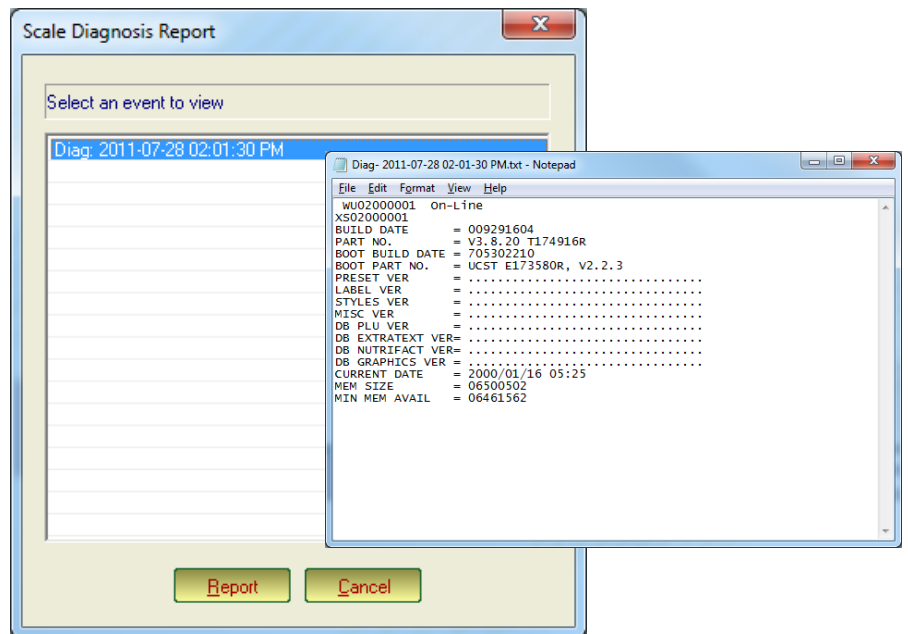


**Select Diagnosis Report / Report Displayed in Notepad**

# Hourly Totals

Mettler Toledo Scales store production data in hourly increments inside the scale. When this function is selected, the totals data will be collected for all scales in the department. You can also select to clear the hourly totals in the scale (Yes/No). (This option is only supported by Mettler Toledo scales).

To retrieve hourly totals from the scale, Select Communication → Hourly Totals → Request Scale Data from the menu.
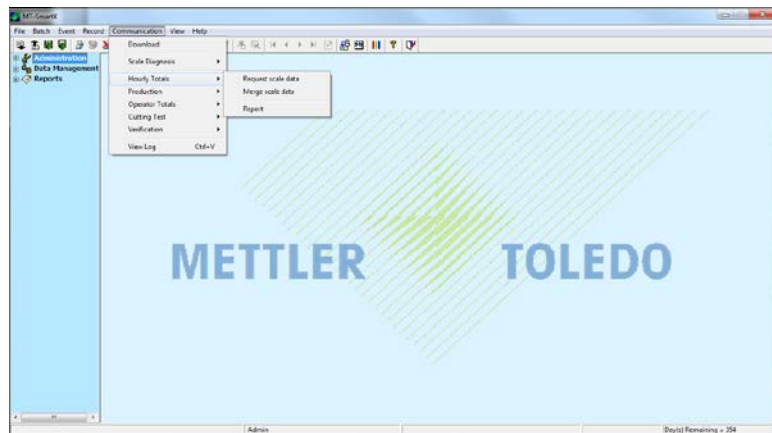


**Request Scale Data**

Click on the Hourly Totals report option and select the store and scales. Click the Next button once you have finished selecting your options.
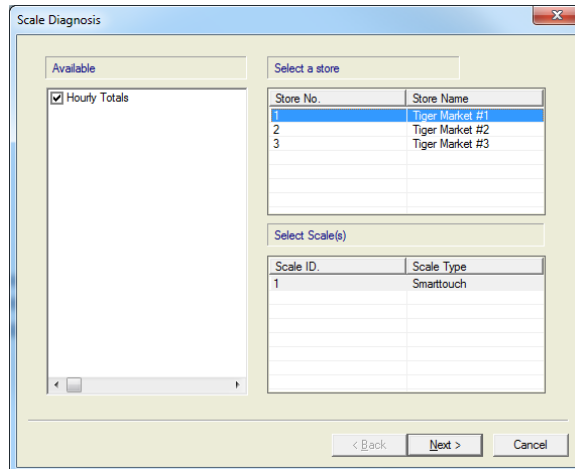


**Hourly Totals / Select Store**

Select the department and time/date to retrieve hourly totals. Click the Finish button and OK.
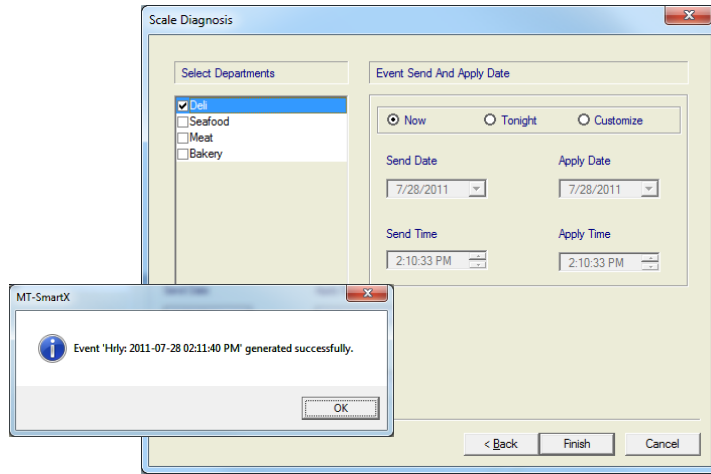


**Select Departments / Time and Date**

To view the report, click on Communication, Hourly Totals, Report. This data can also be merged into one report combining multiple stores by using the Merge Scale Data function by clicking on Communication, Hourly Totals, and "Merge Scale Data" from the main menu.
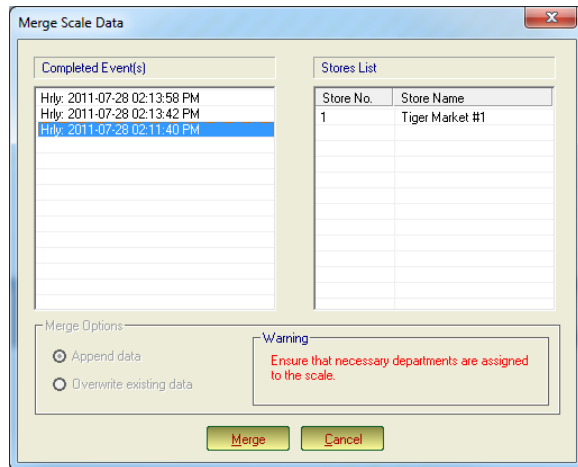


**Merge Scale Data**

# Production

The Production function will collect totals information that includes active production totals, obsolete production totals, and operator totals. Select Communication → Production → Request Scale Data from the menu.



**Production Totals**

Select the store and scales to retrieve production totals and check whether you wan to clear totals in the scale and Click Next once you have finished selecting your options.



**Production Totals**

Select the department and time/date and Click Finish once you have finished selecting your options.

# Cutting Test

Cutting Test reports show product yield, cutting loss/shrink, and gross margin of the product tested. To run a cutting test, you first retrieve the data from the scale and load it into the MT-SmartX database. Once the data is loaded, you can set up cutting test data, run the cutting test reports, and view cutting test graphs.

# Request Scale Data

This procedure retrieves data from a scale and sets up an event that you use to load the database (next procedure).

Click the Communication → Cutting Tests → Request Scale Data.
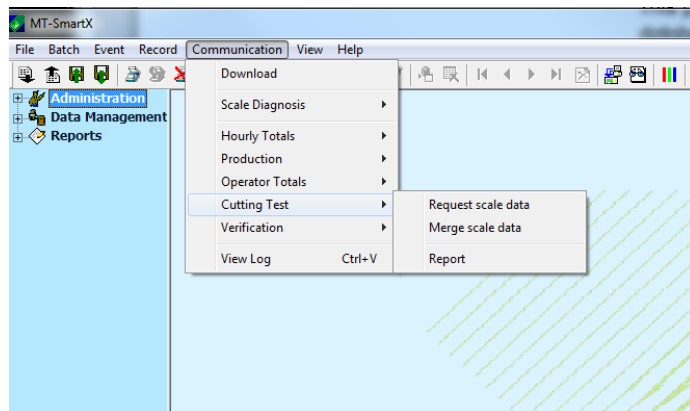


**Cutting Test**

Select the Available Test, Store and or Scale/s, and then click Next.
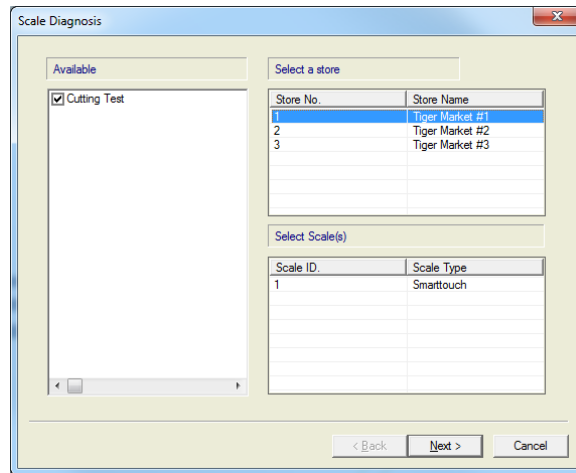


**Cutting Test Select Store**

Select the Master ID, Satellite ID, and the Cutting Test Number. Select the Department, Date and Time, then click Finish.

Satellite ID is used for Cutting Tests only. TNET versions use the Scale ID number. Ethernet versions use the last 2-digits of the fourth octet of the network ID number.

Ethernet Example: xxx.xxx.xxx.x22
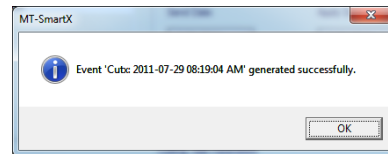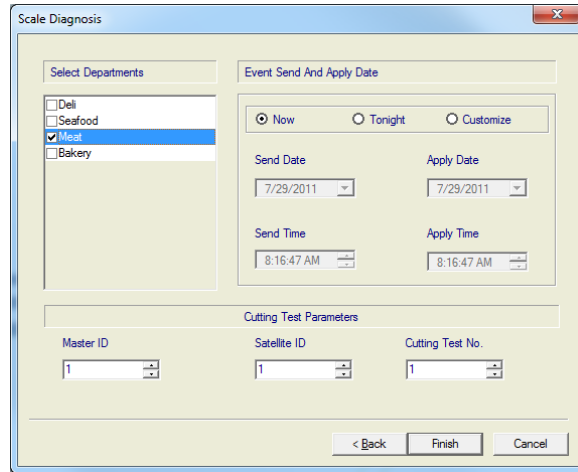


**Cutting Test Select Department and Time/Date**

# Merge Scale Data

This procedure uses the event created in the previous procedure and loads cutting test data into the database so you can run the cutting test report and view the cutting test graph. Click the Merge Scale Information button on the Toolbox toolbar. Select the information file and store to merge, and then click Merge.

# Cutting Test Report

Click the Cutting Test Report button in the menu. (You must first retrieve and load cutting test data before viewing a report). Select Cutting Test Report, and then click Next.

You can save, print, or load an existing report from the menu on the screen. To print only one report, click the Printer icon and select the page number corresponding to your report in the Print wizard. Click Close to exit the cutting test report.

# Verification

The Communication → Verification option can be used to compare the data in a scale's PLU, Extratext, and Nutrition file with the contents of the **MT-SmartX** department PLU database. This function could be performed if it is suspected an unauthorized modification was made to the scale's PLU file directly at the scale and not through the **MT-SmartX** application.

To start the verification process:

1.  Select Communication → Verification → Request Scale Data.
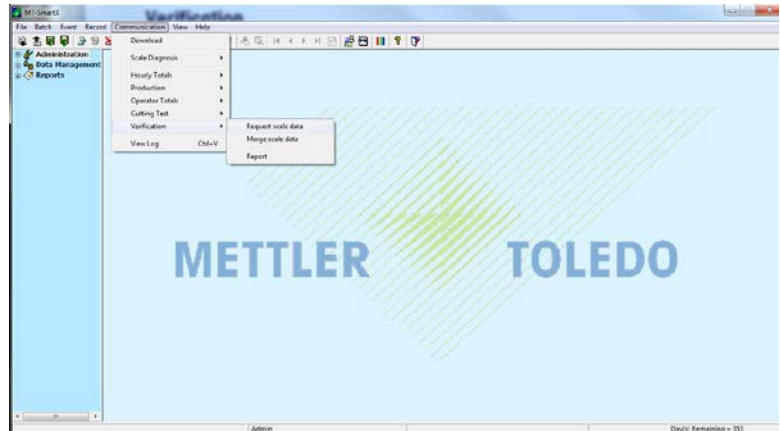


**Verification Request Scale Data**

2.  Select the data type, store and scale to verify then click Next.
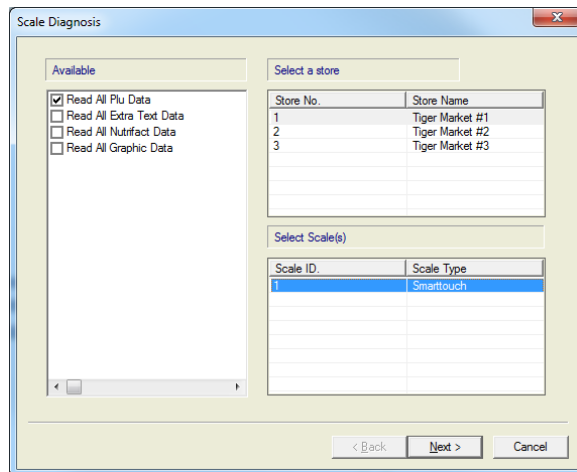


**Verification Select Data/Store/Scales**

Select the department and time and date when to retrieve and perform verification report, then Click Finish.



**Verification Select Department, Time/Date**

To view the report, select Communication, Verification, Report from the menu. Select the store, department, and scale.



**Verification Report**

The report can be viewed or printed.

# Event Logger

You can view the event log from the menu by clicking on Communication → View Log. The log will display as shown below.
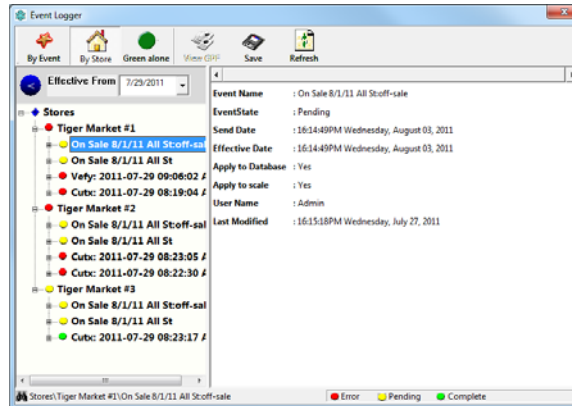


**Event Logger – Sort by Store**

The Event Logger may be useful in troubleshooting problems. A dim or grayed indicator indicates the activity has not yet taken place. Yellow indicates a pending event. Green indicates the event completed successfully. Red indicates an event failed. When all indicators under an event are green, the event light will turn green. If any event under the event is red, the event light turns red. If the indicator is gray but all others are green, the event indicator will still turn to green.

The events in can be viewed by store or by event. To view by store click on the "By Store" button on the menu. To view by event, click the "By Event" button.
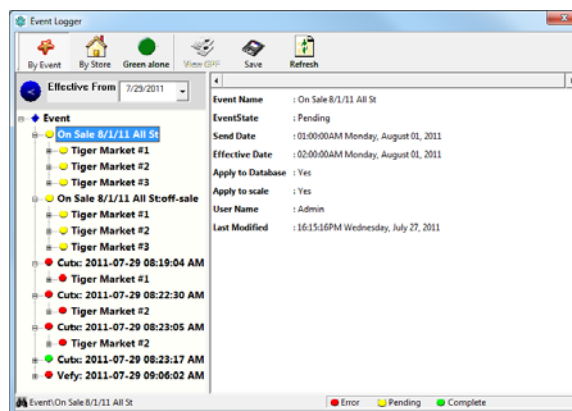


**By Event Sort**

To see just the complete events, click the "Green Alone" button. Click again to unselect. This screen does not automatically update as activities are completed. Click on the Refresh button to update the screen.

# Reports

When **MT-SmartX** is first installed and configured, the configuration data which includes store and department configuration, passwords, baud rates, com ports, printer control codes, report configurations, etc can be printed for back-up purposes. This data is stored.

# Store

## Configuration

Store configuration includes: store number (1-999), price zone (1-99), tare zone (1-10), alternate tare zone (1-10) com port (1-4) and IRQ, baud rate and the scale type/address and IP addresses for all scales by department for each store. (All Zones are based on the individual departments with each store.)

To view MT-SmartX Store Configuration report.

1.  Click on Report → Store → Configuration from the explorer menu.

2.  Select Store or all and click the Show Report Button.
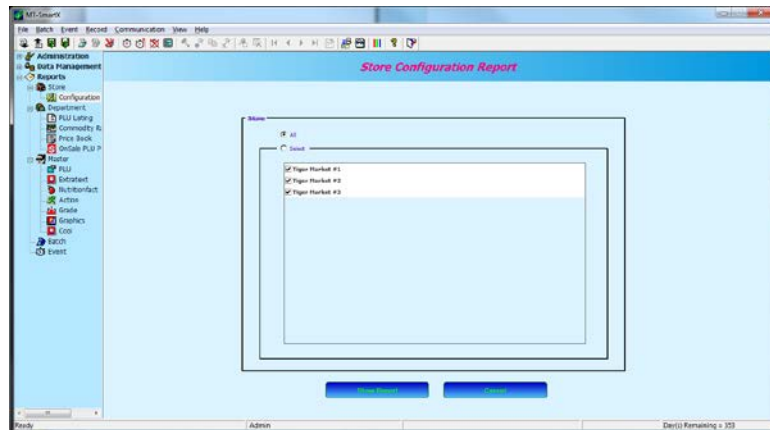


**Select Stores**
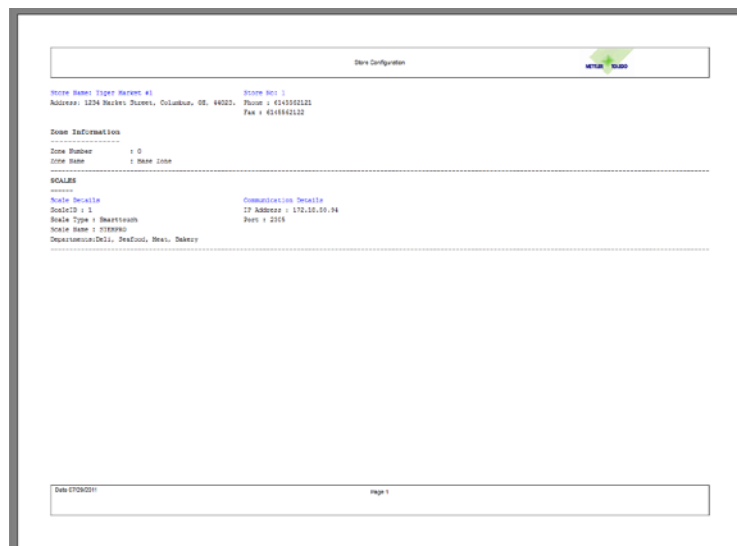


**Scale Configuration Report (Page 1)**

# Department

The reports available include PLU Listing, Commodity Rack, Price Book, and OnSale Price Book.
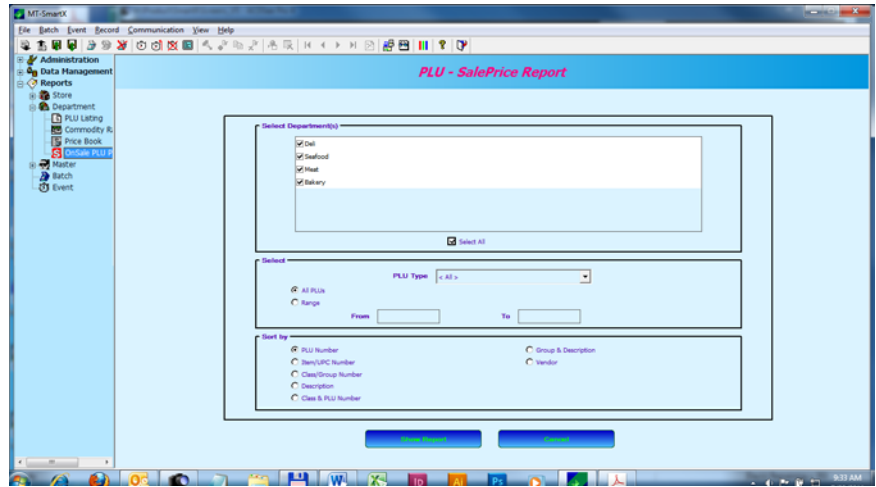


**Reports / Department Menu**

## PLU Listing

This report will list all of the PLU records in the selected department.

## Commodity Rack

This report lists all PLUs in the department with minimum details making it suitable for a department PLU lookup reference sheet.



**Commodity Rack Report**

## Price Book

## On Sale Price Book

# Master

## Batch





## Events

# METTLER TOLEDO
**For your notes**

# 6

# Software License and Warranty

## Software License Agreement

Opening the package indicates your acceptance of the terms and conditions. If you do not agree with the stated terms and conditions, you should promptly contact your Mettler Toledo representative and return the software package with the unopened package for a refund.

Mettler-Toledo, LLC (The Company) provides this "software" and "related materials" to access the Company's scales. You assume responsibility for the selection of the software to achieve your intended results, for the acquisition of the computer, scales, related interface equipment compatible with the software, and for the installation, use, and results obtained from the software.

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1.  Software" means the set of object code programs contained on the program disks or CDs that are in the sealed package, as well as any updates subsequently supplied by METTLER TOLEDO

2.  "Related Materials" means all of the printed matter supplied with this package, as well as any subsequently supplied by METTLER TOLEDO.

3.  "METTLER TOLEDO" means Mettler-Toledo, LLC, 1900 Polaris Parkway, Columbus, Ohio 43240, the author and owner of the Software and Documentation covered in the license agreement.

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2.  Install the Software on a hard disk storage device, as described in the User Guide.

3.  Transfer the Software from one computer to another using the supplied install and uninstall procedures described in the User Guide.

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## GENERAL

The Software Registration Card must be returned within fifteen (15) days of your purchase and receipt of the software. This registration card must be received by METTLER TOLEDO before you are eligible for technical support. The Company provides this Software and licenses its use in the Continental United States, Alaska, Hawaii, Puerto Rico, and such other geographic areas as The Company may from time to time designate. This Agreement will be governed by the laws of the State of Ohio.

# Software Warranty

**Retail Software Products Limited Warranty**

Mettler-Toledo, LLC expressly warrants the equipment manufactured by it as set forth herein. The Company makes no other warranties, either express or implied (including without limitation warranties as to merchantability or fitness for a particular purpose.) In addition, the following shall constitute the sole and exclusive remedies of buyer for any breach by company of its warranties hereunder.

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You acknowledge that you have read this agreement, understand it, and agree to be bound by its terms and conditions. You further agree that it is the complete and exclusive statement of the agreement between us that supersedes any proposal or prior agreement, oral or written, and any other communications between us relating to the subject matter of this agreement.

# METTLER TOLEDO

**For your notes**

# 7       Support

## Software Updates

Software updates are included in the annual license fee for the product.

## Software Support

If you experience a problem installing or operating your MT-SmartX program, you should take the following actions:

1.  Check your hardware configuration to verify it meets the minimum requirements. This includes the computer, printer, scale interface, signal converter, data cabling, and scales. Consult the Getting Started section of this guide for configuration requirements.

2.  Consult the **Installation** section to verify you are following the correct procedures.

3.  Contact your local METTLER TOLEDO® representative or dealer on problems relating to the scales, interfacing between the scales and computer, and software operation. If you determine the problem is related to your computer hardware or operating system software, consult the computer hardware manufacturer or the dealer where you purchased your computer hardware.

If you cannot resolve the problem by consulting the User Guide, contact your local METTLER TOLEDO® representative.

Before calling METTLER TOLEDO®, be sure to fill out the MT-SmartX problem checklist. By having this information available, you can save time and greatly improve the chances of getting your problem resolved quickly.

## Problem Checklist

[ ]   Software Version Number: _____

        (Displayed on screen when starting program and on Program CD)

[ ]   Computer Brand Name: _____

        Model: _____   RAM Memory Installed: _____

        Type (Pentium, AMD): _____

        OS Version: _____

        Monitor Brand and Type: _____

[ ]   Signal Converter (If used): _____

[ ]   Scales:

        Model(s): _____

[ ]   Has the MT-SmartX program operated properly before the problem occurred?

[ ]   List the exact steps you performed prior to observing the problem.

        _____

        _____

        _____

        _____

        _____

[ ]   Save any printed reports or error messages.  Record any error messages displayed on the screen when the problem occurred.

To request a replacement installation file, complete the following form and submit it to your local METTLER TOLEDO® representative.

## MT-SmartX Program File Replacement Request

Software Version#:_____

Serial Number: _____

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Site Location: _____

**Please forward this form to:**

**METTLER TOLEDO**

**1900 Polaris Parkway**

**Columbus, OH  43240**

**ATTN: Retail Marketing**

# Stop/Start Services

There are instances where the services would need to be stopped, such as copying or replacing the database file, genx.db using Windows® tools like Explorer. Before you would be able to copy the database file, the services will need to be temporarily stopped. Open Control Panel and select Administrative Tools and open Component Services.
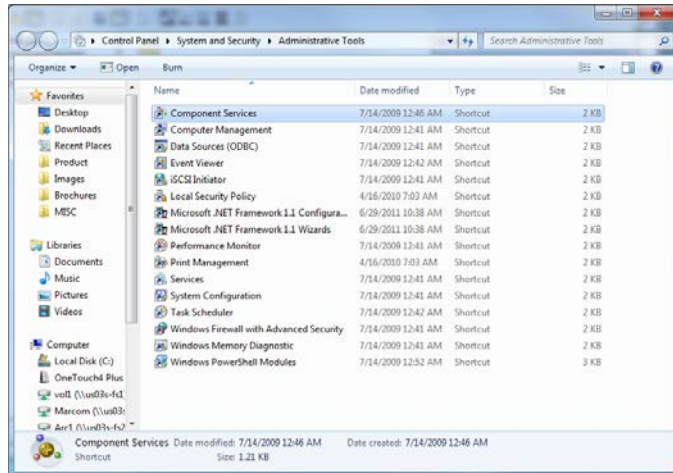


Locate the line SQL anywhere – SmartX_SERVICE and click to select the service. Click on "Stop" to stop the service.
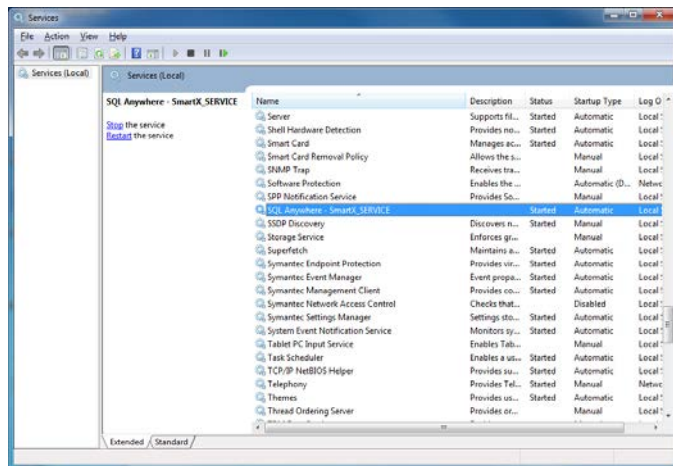


Click "Yes" to stop the EULA Service.
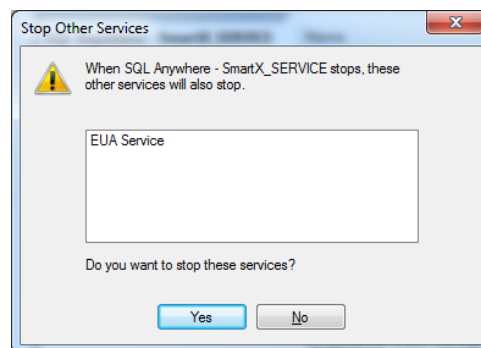


The maintenance can then be performed at the file level. Remember to restart the services before running MT-SmartX.

# 8 Data Formats / ScaleVision Mode

## File Data Requirements

### General
■ All numeric fields must be zero filled.
■ Retail price consists of 99 different zones. Forced price can be coded using -999.
■ Tare, Alternate Tares, and Grades consist of 10 different zones. Forced tares can be coded using -999.
■ The Pending File Name field must be left justified.

### Data Checks on Import File
■ Department Number must be configured in SmartX prior to importing the pending file.
■ Record Type must be one of the following: W = Modify All Data, X =Price Only Change, Y = Delete Record, or Z = Add Record.
■ PLU Number must be up to six digits numeric.
■ File Type must be one of the following: PR =regular pending file, ET = extra text pending file, NF = nutrition fact file
■ Pending File Name field cannot be all spaces.
■ If the Maintenance Date field is blank (all spaces), the current date will be used for the maintenance date field.

### Checks Made On Records with File Type of PR
■ The Item Number field must be numeric.
■ The Group Number field must be numeric.
■ The Retail Prices field must be numeric.
■ The Package Code field must be numeric and zero padded and have a value of less than 5.
■ The Modifier field must be numeric and zero padded. If the Package Code is a 2, then the modifier must be either a 2 or 4. Otherwise, the modifier can be a value between 1 and 999.
■ Cost must be numeric.
■ The Grade must be numeric and must be a value between 0 and 15.
■ Shelf Life must be numeric with a value between 0 and 999.
■ Tare must be numeric.
■ Eat By must be numeric and must be a value between 0 and 999.
■ Extra Text Code must be numeric.
■ Action Code must be numeric and must be a value between 0 and 50.

# Import/Export Delimited Text File

The file format for Import/Export is a delimited text file. Character fields (i.e. vendor number, description, etc.) are delimited with double quotes and commas and with trailing blanks truncated. Numeric fields are separated by commas with leading zeros truncated. Logical fields are '1'=True, '0'= false. The fields are shown below in the order they will appear in the record. If more than one file is created a "1" is appended to the file name.

# Import/Export Pending File

**Pending File 1**

| Field | Description | Type | Max Length | Valid Characters | Range |
|-------|-------------|------|-----------|------------------|-------|
| 1 | File type | Char 2 PR,PX,PS | | | |
| GG | | | | | |
| 2 | Record Type | Char | 1 | X,W,Y,Z | W = Modify All Data<br><br>X =Price Only Change<br><br>Y = Delete Record<br><br>Z = Add Record. |
| 3 | Department | Char | 1 | ABCDEFGHIJKLMNO | |
| 4 | Plu Number | Num | 6 | 0123456789 | 1-999999 |
| 5 | Pending Name | Char | 16 | Alphanumeric | |
| 6 | Maint. Date | Char | 16 | | MM-DDYYHH:MM:SS |

**Remainder of Pending File 1 1F File Type IS PR**

| Field | Description (Remainder Pending File 1 1F File Type PR) | Type | Max Length | Valid Characters | Range |
|-------|--------------------------------------------------------|------|-----------|------------------|-------|
| 7 | Vendor | Char | 10 | Alphanumeric | |
| 8 | Item Number | Num | 10 | 0123456789 | 0-999999999 |
| 9 | Class/Group | Num | 3 | 0123456789 | 0-999 |
| 10 | Modifier | Num | 3 | 0123456789 | 0-999 |
| 11 | Package Code | Num | 1 | 01234 | 0-4 |

| Field | Description (Remainder Pending File 1 1F File Type PR) | Type | Max Length | Valid Characters | Range |
|---|---|---|---|---|---|
| 12 | Cost | Num | 7 | .0123456789 | 0-999999 |
| 13 | Grade[zone 1] | Num | 2 | 0123456789 | 0-15 |
| 14 | Grade[zone 2] | Num | 2 | 0123456789 | 0-15 |
| 15 | Grade[zone 3] | Num | 2 | 0123456789 | 0-15 |
| 16 | Grade[zone 4] | Num | 2 | 0123456789 | 0-15 |
| 17 | Grade[zone 5] | Num | 2 | 0123456789 | 0-15 |
| 18 | Grade[zone 6] | Num | 2 | 0123456789 | 0-15 |
| 19 | Grade[zone 7] | Num | 2 | 0123456789 | 0-15 |
| 20 | Grade[zone 8] | Num | 2 | 0123456789 | 0-15 |
| 21 | Grade[zone 9] | Num | 2 | 0123456789 | 0-15 |
| 22 | Grade[zone 10] | Num | 2 | 0123456789 | 0-15 |
| 23 | Shelf Life | Num | 3 | 0123456789 | 0-999 |
| 24 | Tare[zone 1] | Num | 4 | .0123456789 | 0-9999 |
| 25 | Tare[zone 2] | Num | 4 | .0123456789 | 0-9999 |
| 26 | Tare[zone 3] | Num | 4 | .0123456789 | 0-9999 |
| 27 | Tare[zone 4] | Num | 4 | .0123456789 | 0-9999 |
| 28 | Tare[zone 5] | Num | 4 | .0123456789 | 0-9999 |
| 29 | Tare[zone 6] | Num | 4 | .0123456789 | 0-9999 |
| 30 | Tare[zone 7] | Num | 4 | .0123456789 | 0-9999 |
| 31 | Tare[zone 8] | Num | 4 | .0123456789 | 0-9999 |
| 32 | Tare[zone 9] | Num | 4 | .0123456789 | 0-9999 |
| 33 | Tare[zone 10] | Num | 4 | .0123456789 | 0-9999 |
| 34 | Extra Text Number | Num | 6 | 0123456789 | 0-999999 |
| 35 | Action Code | Num | 2 | 0123456789 | 0-50 |
| 36 | Eat by | Num | 3 | 0123456789 | 0-999 |
| 37 | Nutrition Number | Num | 6 | 0123456789 | 0-999999 |
| 38 | Graphics Number | Num | 6 | 0123456789 | 0-999999 |

| Field | Description (Remainder Pending File 1 1F File Type PR) | Type | Max Length | Valid Characters | Range |
|-------|--------------------------------------------------------|------|------------|------------------|-------|
| 39 | Effective Date | Char | 8 | -0123456789 | mm-dd-yy |
| 40 | Effective Hour | Num | 2 | 0123456789 | 0-23 |
| 41 | Bar Code Type | Num | 2 | 0123456789 | 0,2-5,99 |
| 42 | Weight Type | Num | 1 | 0123456789 | 0-7 |
| 43 | Blanked Shelf Life | Boolean | 1 | 01 | |
| 44 | Blanked Eat By | Boolean | 1 | 01 | |
| 45 | Blanked Pack Date | Boolean | 1 | 01 | |
| 46 | Blanked Weight | Boolean | 1 | 01 | |
| 47 | Blanked Unit Price | Boolean | 1 | 01 | |
| 48 | Blanked Total Price | Boolean | 1 | 01 | |
| 49 | Alt Tare[zone 1] | Num | 4 | .0123456789 | 0-9999 |
| 50 | Alt Tare[zone 2] | Num | 4 | .0123456789 | 0-9999 |
| 51 | Alt Tare[zone 3] | Num | 4 | .0123456789 | 0-9999 |
| 52 | Alt Tare[zone 4] | Num | 4 | .0123456789 | 0-9999 |
| 53 | Alt Tare[zone 5] | Num | 4 | .0123456789 | 0-9999 |
| 54 | Alt Tare[zone 6] | Num | 4 | .0123456789 | 0-9999 |
| 55 | Alt Tare[zone 7] | Num | 4 | .0123456789 | 0-9999 |
| 56 | Alt Tare[zone 8] | Num | 4 | .0123456789 | 0-9999 |
| 57 | Alt Tare[zone 9] | Num | 4 | .0123456789 | 0-9999 |
| 58 | Alt Tare[zone 10] | Num | 4 | .0123456789 | 0-9999 |
| 59 | Description Line 1 | Char | 32 | alphanumeric | |
| 60 | Description Line 2 | Char | 32 | alphanumeric | |
| 61 | Day Glow Number | Num | 6 | 0123456789 | 0-999999 |
| 62 | Proportional Alt Tare | Boolean | 1 | 01 | |
| 63 | Turn Label | Boolean | 1 | 01 | |
| 64 | Date Forwarding | Boolean | 1 | 01 | |
| 65 | Line 2 size | Num | 1 | 01234567 | 0-7 |

| Field | Description (Remainder Pending File 1 1F File Type PR) | Type | Max Length | Valid Characters | Range |
|-------|------|------|-----------|-----------------|-------|
| 66 | Sat. Graphic | Num | 2 | 0123456789 | 0-15 |
| 67 | Label Style | Num | 1 | 01234567 | 0-7 |

**PENDING FILE 2 (PRICING)**

| Field | Description (Pending File 2) | Type | Max Length | Valid Characters | Range |
|-------|------|------|-----------|-----------------|-------|
| 1 | File type | Char | 2 | PR,ET,NF | |
| 2 | Record Type | Char | 1 | X,W,Y,Z | |
| 3 | Department | Char | 1 | ABCDEFGHIJKLMNO | |
| 4 | Plu Number | Num | 6 | 0123456789 | 1-999999 |
| 5 | Pending Name | Char | 16 | Alphanumeric | |
| 6 | Maint. Date | Char | 16 | MM-DDYYHH:MM:SS | |
| 7 | Price [Zone 1] | Num | 7 | .0123456789 | 0-999999 |
| 8 | Price [Zone2] | Num | 7 | .0123456789 | 0-999999 |
| 9 | Price [Zone 3] | Num | 7 | .0123456789 | 0-999999 |
| 10 | Price [Zone 4] | Num | 7 | .0123456789 | 0-999999 |
| 11 | Price [Zone 5] | Num | 7 | .0123456789 | 0-999999 |
| 12 | Price [Zone 6] | Num | 7 | .0123456789 | 0-999999 |
| 13 | Price [Zone 7] | Num | 7 | .0123456789 | 0-999999 |
| 14 | Price [Zone 8] | Num | 7 | .0123456789 | 0-999999 |
| 15 | Price [Zone 9] | Num | 7 | .0123456789 | 0-999999 |
| 16 | Price [Zone 10] | Num | 7 | .0123456789 | 0-999999 |
| 17 | Price [Zone 11] | Num | 7 | .0123456789 | 0-999999 |
| 18 | Price [Zone 12] | Num | 7 | .0123456789 | 0-999999 |
| 19 | Price [Zone 13] | Num | 7 | .0123456789 | 0-999999 |
| 20 | Price [Zone 14] | Num | 7 | .0123456789 | 0-999999 |
| 21 | Price [Zone 15] | Num | 7 | .0123456789 | 0-999999 |
| 22 | Price [Zone 16] | Num | 7 | .0123456789 | 0-999999 |
| 23 | Price [Zone 17] | Num | 7 | .0123456789 | 0-999999 |

| Field | Description (Pending File 2) | Type | Max Length | Valid Characters | Range |
|---|---|---|---|---|---|
| 24 | Price [Zone 18] | Num | 7 | .0123456789 | 0-999999 |
| 25 | Price [Zone 19] | Num | 7 | .0123456789 | 0-999999 |
| 26 | Price [Zone 20] | Num | 7 | .0123456789 | 0-999999 |
| 27 | Price [Zone 21] | Num | 7 | .0123456789 | 0-999999 |
| 28 | Price [Zone 22] | Num | 7 | .0123456789 | 0-999999 |
| 29 | Price [Zone 23] | Num | 7 | .0123456789 | 0-999999 |
| 30 | Price [Zone 24] | Num | 7 | .0123456789 | 0-999999 |
| 31 | Price [Zone 25] | Num | 7 | .0123456789 | 0-999999 |
| 32 | Price [Zone 26] | Num | 7 | .0123456789 | 0-999999 |
| 33 | Price [Zone 27] | Num | 7 | .0123456789 | 0-999999 |
| 34 | Price [Zone 28] | Num | 7 | .0123456789 | 0-999999 |
| 35 | Price [Zone 29] | Num | 7 | .0123456789 | 0-999999 |
| 36 | Price [Zone 30] | Num | 7 | .0123456789 | 0-999999 |
| 37 | Price [Zone 31] | Num | 7 | .0123456789 | 0-999999 |
| 38 | Price [Zone 32] | Num | 7 | .0123456789 | 0-999999 |
| 39 | Price [Zone 33] | Num | 7 | .0123456789 | 0-999999 |
| 40 | Price [Zone 34] | Num | 7 | .0123456789 | 0-999999 |
| 41 | Price [Zone 35] | Num | 7 | .0123456789 | 0-999999 |
| 42 | Price [Zone 36] | Num | 7 | .0123456789 | 0-999999 |
| 43 | Price [Zone 37] | Num | 7 | .0123456789 | 0-999999 |
| 44 | Price [Zone 38] | Num | 7 | .0123456789 | 0-999999 |
| 45 | Price [Zone 39] | Num | 7 | .0123456789 | 0-999999 |
| 46 | Price [Zone 40] | Num | 7 | .0123456789 | 0-999999 |
| 47 | Price [Zone 41] | Num | 7 | .0123456789 | 0-999999 |
| 48 | Price [Zone 42] | Num | 7 | .0123456789 | 0-999999 |
| 49 | Price [Zone 43] | Num | 7 | .0123456789 | 0-999999 |
| 50 | Price [Zone 44] | Num | 7 | .0123456789 | 0-999999 |
| 51 | Price [Zone 45] | Num | 7 | .0123456789 | 0-999999 |

| Field | Description (Pending File 2) | Type | Max Length | Valid Characters | Range |
|---|---|---|---|---|---|
| 52 | Price [Zone 46] | Num | 7 | .0123456789 | 0-999999 |
| 53 | Price [Zone 47] | Num | 7 | .0123456789 | 0-999999 |
| 54 | Price [Zone 48] | Num | 7 | .0123456789 | 0-999999 |
| 55 | Price [Zone 49] | Num | 7 | .0123456789 | 0-999999 |
| 56 | Price [Zone 50] | Num | 7 | .0123456789 | 0-999999 |
| 57 | Price [Zone 51] | Num | 7 | .0123456789 | 0-999999 |
| 58 | Price [Zone 52] | Num | 7 | .0123456789 | 0-999999 |
| 59 | Price [Zone 53] | Num | 7 | .0123456789 | 0-999999 |
| 60 | Price [Zone 54] | Num | 7 | .0123456789 | 0-999999 |
| 61 | Price [Zone 55] | Num | 7 | .0123456789 | 0-999999 |
| 62 | Price [Zone 56] | Num | 7 | .0123456789 | 0-999999 |
| 63 | Price [Zone 57] | Num | 7 | .0123456789 | 0-999999 |
| 64 | Price [Zone 58] | Num | 7 | .0123456789 | 0-999999 |
| 65 | Price [Zone 59] | Num | 7 | .0123456789 | 0-999999 |
| 66 | Price [Zone 60] | Num | 7 | .0123456789 | 0-999999 |
| 67 | Price [Zone 61] | Num | 7 | .0123456789 | 0-999999 |
| 68 | Price [Zone 62] | Num | 7 | .0123456789 | 0-999999 |
| 69 | Price [Zone 63] | Num | 7 | .0123456789 | 0-999999 |
| 70 | Price [Zone 64] | Num | 7 | .0123456789 | 0-999999 |
| 71 | Price [Zone 65] | Num | 7 | .0123456789 | 0-999999 |
| 72 | Price [Zone 66] | Num | 7 | .0123456789 | 0-999999 |
| 73 | Price [Zone 67] | Num | 7 | .0123456789 | 0-999999 |
| 74 | Price [Zone 68] | Num | 7 | .0123456789 | 0-999999 |
| 75 | Price [Zone 69] | Num | 7 | .0123456789 | 0-999999 |
| 76 | Price [Zone 70] | Num | 7 | .0123456789 | 0-999999 |
| 77 | Price [Zone 71] | Num | 7 | .0123456789 | 0-999999 |
| 78 | Price [Zone 72] | Num | 7 | .0123456789 | 0-999999 |
| 79 | Price [Zone 73] | Num | 7 | .0123456789 | 0-999999 |

| Field | Description (Pending File 2) | Type | Max Length | Valid Characters | Range |
|---|---|---|---|---|---|
| 80 | Price [Zone 74] | Num | 7 | .0123456789 | 0-999999 |
| 81 | Price [Zone 75] | Num | 7 | .0123456789 | 0-999999 |
| 82 | Price [Zone 76] | Num | 7 | .0123456789 | 0-999999 |
| 83 | Price [Zone 77] | Num | 7 | .0123456789 | 0-999999 |
| 84 | Price [Zone 78] | Num | 7 | .0123456789 | 0-999999 |
| 85 | Price [Zone 79] | Num | 7 | .0123456789 | 0-999999 |
| 86 | Price [Zone 80] | Num | 7 | .0123456789 | 0-999999 |
| 87 | Price [Zone 81] | Num | 7 | .0123456789 | 0-999999 |
| 88 | Price [Zone 82] | Num | 7 | .0123456789 | 0-999999 |
| 89 | Price [Zone 83] | Num | 7 | .0123456789 | 0-999999 |
| 90 | Price [Zone 84] | Num | 7 | .0123456789 | 0-999999 |
| 91 | Price [Zone 85] | Num | 7 | .0123456789 | 0-999999 |
| 92 | Price [Zone 86] | Num | 7 | .0123456789 | 0-999999 |
| 93 | Price [Zone 87] | Num | 7 | .0123456789 | 0-999999 |
| 94 | Price [Zone 88] | Num | 7 | .0123456789 | 0-999999 |
| 95 | Price [Zone 89] | Num | 7 | .0123456789 | 0-999999 |
| 96 | Price [Zone 90] | Num | 7 | .0123456789 | 0-999999 |
| 97 | Price [Zone 91] | Num | 7 | .0123456789 | 0-999999 |
| 98 | Price [Zone 92] | Num | 7 | .0123456789 | 0-999999 |
| 99 | Price [Zone 93] | Num | 7 | .0123456789 | 0-999999 |
| 100 | Price [Zone 94] | Num | 7 | .0123456789 | 0-999999 |
| 101 | Price [Zone 95] | Num | 7 | .0123456789 | 0-999999 |
| 102 | Price [Zone 96] | Num | 7 | .0123456789 | 0-999999 |
| 103 | Price [Zone 97] | Num | 7 | .0123456789 | 0-999999 |
| 104 | Price [Zone 98] | Num | 7 | .0123456789 | 0-999999 |
| 105 | Price [Zone 99] | Num | 7 | .0123456789 | 0-999999 |

**Remainder Of Pending File 1 IF File Type Is NF**

| Field | Description (Remainder Of Pending File 1 IF File Type NF) | Type | Max Length | Valid Characters | Range |
|---|---|---|---|---|---|
| 7 | Nutrition Number | Num | 6 | 0123456789 | 1-999999 |
| 8 | Label Format | Num | 1 | 01 | 0=one label 1=two labels |
| 9 | Label Order | Num | 1 | 01 | 0=Plu/NF 1=NF/Plu |
| 10 | Batch Mode | Num | 1 | 01 | 0=alternate 1=group |
| 11 | Template | Num | 1 | 0123 | 0=vertical 1=tabular 2=lin.landscape 3=lin. portrait |
| 12 | Data | Num | 1 | 01 | 0=standard 1=simplified |
| 13 | Serving Units | Num | 1 | 012 | 0=ounces 1=pieces 2=text |
| 14 | Serving Size Text | Char | 28 | Alphanumeric | |
| 15 | Serving Size | Num | 4 | 0123456789 | |
| 16 | Serving Size g. | Char | 6 | Alphanumeric | |
| 17 | Calories | Num | 4 | 0123456789 | |
| 18 | Calories fat | Num | 4 | 0123456789 | |
| 19 | Calories sat fat | Num | 4 | 0123456789 | |
| 20 | Servings per container | Char | 10 | Alphanumeric | |
| 21 | Total Fat (g) | Char | 6 | 0123456789g | 1st four chars are Num followed by 'g ' |
| 22 | Total Fat (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '% ' |
| 23 | Saturated Fat (g) | Char | 6 | 0123456789g | 1st four chars are Num followed by 'g ' |
| 24 | Saturated Fat (%) | Char | 6 | 0123456789% | 1st four chars arenum followed by '% ' |
| 25 | Polyunsaturated Fat (g) | Char | 6 | 0123456789g | 1st four chars are Num followed by 'g ' |
| 26 | Monounsaturated Fat (g) | Char | 6 | 0123456789g | 1st four chars are Num followed by 'g ' |
| 27 | cholesterol (mg) | Char | 6 | 0123456789mg | 1st four chars are Num followed by 'mg' |
| 28 | cholesterol (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '%' |
| 29 | sodium (mg) | Char | 6 | 0123456789mg | 1st four chars are Num |

| Field | Description (Remainder Of Pending File 1 IF File Type NF) | Type | Max Length | Valid Characters | Range |
|---|---|---|---|---|---|
| | | | | | followed by 'mg' |
| 30 | sodium (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '% ' |
| 31 | potassium (mg) | Char | 6 | 0123456789mg | 1st four chars are Num followed by 'mg' |
| 32 | potassium (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '% ' |
| 33 | Total Carbohydrate (g) | Char | 6 | 0123456789g | 1st four chars are Num followed by 'g' |
| 34 | Total Carbohydrate (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '% ' |
| 35 | Dietary Fiber (g) | Char | 6 | 0123456789g | 1st four chars are Num followed by 'g ' |
| 36 | Dietary Fiber (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '% ' |
| 37 | Soluble Fiber (g) | Char | 6 | 0123456789g | 1st four chars are Num followed by 'g ' |
| 38 | insoluble fiber (g) | Char | 6 | 0123456789g | 1st four chars are Num followed by 'g ' |
| 39 | 2sugar (g) | Char | 6 | 0123456789g | 1st four chars are Num followed by 'g ' |
| 40 | sugar alcohol (g) | Char | 6 | 0123456789g | 1st four chars are Num followed by 'g ' |
| 41 | other carbohydrate (g) | Char | 6 | 0123456789g | 1st four chars are Num followed by 'g ' |
| 42 | protein (g) | Char | 6 | 0123456789g | 1st four chars are Num followed by 'g ' |
| 43 | protein (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '% ' |
| 44 | vitamin a (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '%' |
| 45 | beta-carotene (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '%' |
| 46 | vitamin c (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '%' |
| 47 | calcium (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '% ' |
| 48 | iron (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '% ' |

| Field | Description (Remainder Of Pending File 1 IF File Type NF) | Type | Max Length | Valid Characters | Range |
|---|---|---|---|---|---|
| 49 | vitamin d (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '%' |
| 50 | vitamin e (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '%' |
| 51 | thiamin (%) | Char | 6 | 0123456789% | 1st four chars are Num ollowed by '%' |
| 52 | riboflavin (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '%' |
| 53 | niacin (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '%' |
| 54 | vitamin b6 (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '% ' |
| 55 | folate (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '%' |
| 56 | vitamin b12 (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '%' |
| 57 | biotin (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '%' |
| 58 | pantothenic acid (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '%' |
| 59 | phosphorus (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '%' |
| 60 | iodine (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '%' |
| 61 | Magnesium (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '%' |
| 62 | zinc (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '%' |
| 63 | copper (%) | Char | 6 | 0123456789% | 1st four chars are Num followed by '%' |
| 64 | spare1 | Char | 6 | alphanumeric | |
| 65 | spare2 | Char | 6 | alphanumeric | |
| 66 | spare3 | Char | 6 | alphanumeric | |
| 67 | spare4 | Char | 6 | alphanumeric | |
| 68 | spare5 | Char | 6 | alphanumeric | |
| 69 | spare6 | Char | 6 | alphanumeric | |

| Field | Description (Remainder Of Pending File 1 IF File Type NF) | Type | Max Length | Valid Characters | Range |
|---|---|---|---|---|---|
| 70 | spare7 | Char | 6 | alphanumeric | |
| 71 | spare8 | Char | 6 | alphanumeric | |

**Remainder Of Pending File 1 IF File Type ET**

| Field | Description (Remainder Of Pending File 1 IF File Type ET) | Type | Max Length | Valid Characters | Range |
|---|---|---|---|---|---|
| 7 | Record Type | Char | 1 | SRH | |
| 8 | Extra text number | Num | 6 | 0123456789 | 1-999999 |
| 9 | Lines per label | Num | 2 | 0123456789 | |
| 10 | Characters per line | Num | 2 | 0123456789 | |
| 11 | line # | Num | 2 | 0123456789 | |
| 12 | Extra text data | Char | 54 | Alphanumeric | |

## Import ComOne Files

ComOne is an extensible XML file interface definition that allows the user to automatically create events and batches in SmartX without hand entry. This is the preferred method to interface upstream Master Data Management systems into SmartX.

To illustrate a basic use, following is a ComOne XML file that will create a batch called batch001 that updates PLU 4011 and Extratext 140500, by created an event that will execute the batch on Jan 17, 2010 at 2:01AM, updating all the scales.

```
<?xml version="1.0" encoding="utf-8" ?>
- <!--
 Created with Liquid XML Studio 1.0.8.0 (http://www.liquid-technologies.com)
  -->
- <Batch Name="batch001" ResponseTraceLevel="9" AllOrNothingCommitFlag="1"
ExecutionDateTime="2010-01-17T02:01:01" xmlns="http://www.mt.com/ComOne/namespace"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.mt.com/ComOne/namespace
ComOneProtocolSchemaV1.22ElementsSupportedinSmartxV5.xsd">
- <ItemTransaction Operation="UpdateElement">
- <Item>
  <PLU>4011</PLU>
  <DepartmentID>0</DepartmentID>
  <Description Language="eng">Pommes Fuji Organic, Local</Description>
  <AlternativeItemID Type="GTIN">12345678901234</AlternativeItemID>
  <Dates Name="BestBefore" UnitOfOffset="day" ForceEntry="1">15</Dates>
  <Dates Name="SellBy">2</Dates>
  <ItemPrice ValueTypeCode="BasePrice" Quantity="0" Currency="USD"
PLUType="PricePerPound">1.00</ItemPrice>
  </Item>
- <Ingredient>
  <ID>140500</ID>
  <IngredientText LineSize="42">INGREDIENTS: WATER, SUGAR AND/OR HIGH FRUCTOSE CORN
SYRUP, ROASTED PEANUTS, PARTIALLY HYDROGENATED SOYBEAN OIL AND/OR PALM KERNEL OIL,
MILK CHOCOLATE (SUGAR, COCOA BUTTER, MILK, CHOCOLATE, SOY LECITHIN, SALT, VANILLIN),
PEANUT OIL, DEXTROSE, GELATIN, COTTONSEED OIL, SALT, WHEY POWDER, SODIUM CASEINATE,
NATURAL AND ARTIFICIAL FLAVORS, SOY LECITHIN, NONFAT DRY MILK, FOOD STARCH-MODIFIED
(CORN), LACTIC AND CITRIC ACID, CARBOHYDRATE GUM, POTASSIUM SORBATE AND/OR SODIUM
BENZOATE TO PRESERVE FRESHNESS, POLYSORBATE 60, POLYGLYCEROL ESTERS OF FATTY ACIDS,
SODIUM CITRATE, MONO AND DIGLYCERIDES, BETA CAROTENE (COLOR), DISODIUM PHOSPHATE,
GUM TRAGACANTH, XANTHAN GUM, GUAR GUM, DIPOTASSIUM PHOSPHATE, LOCUST BEAN GUM,
SODIUM CARBONATE, SODIUM STEAROYL LACTYLATE, CARRAGEENAN.\n CONTAINS: MILK,
SOYBEAN, PEANUT.</IngredientText>
  </Ingredient>
  </ItemTransaction>
  </Batch>
```

If you are interested in interfacing your host system to SmartX using the ComOne standard, please contact your Account Manager.

# ScaleVision Mode

In minimal GUI Mode, SmartX emulates many of the functions of ScaleVision Version 8. It will process files containing the most commonly used ScaleVision commands and execute the pre and post filt batch files. In this mode, certain import functions are reduced or removed and many reports are disabled.

- ScaleVision commands supported are:
- AI – Add Item/PLU
- SA – Add Item/PLU 4-line with COOL
- AL – Add a Linked Record
- WL – Read all Lined Records by Type
- SM – Send Action Code Message table
- SG – Send Grade Table
- FA – Read All Active PLU records in the Store
- DN – Read All Active Totals for a Department, no clear
- DC - Read All Active Totals for a Department, then clear
- TX – Read Cutting Test
- CL – Clear All PLU records in the Store
- EX – Delete All Linked Records, All Types

SmartX will the process the Generic Pending File automatically, create the event based on the time and name specified in the Header record, execute the event sending to all scales, then produce the Response File and deliver it using the tohost.bat script when the Transmit2host field in the Header record is "Y".

If you are interested in interfacing your host system to SmartX using this method, please contact your Account Manager. If you are developing a new interface, the ComOne interface is recommended.

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