

# **MT-SmartX**

Scale Management Software User's Guide



64086463 R02

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Provided By:	
Customer Name:	
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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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# 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<sup>™</sup> 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.

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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.

[]	CEUA Monitor			(B) (C) ×
	EUA Status		Monitor Status	03-Aug-11
	Event Narve: DB Status: GPF Status:	On Sale 8/1/11 All St Ide Ide	Status Received at (10.32:00) ACK Sent at (10.32:00) Status Received at (10.35:00) ACK Sent at (10.35:00) Status Received at (10.37:00) ACK Sent at (10.37:00) Status Received at (10.32:00) ACK Sent at (10.32:00)	
	Scale Communication		Status Received at (10.41:00)	
	No. Status	IP Tine	Status Received at (10.42.00)	
<b>N</b>	1 106 2 166 3 166 4 166 5 166 6 166 7 166 8 166	0000 103901 0000 103901 0000 103901 0000 103901 0000 105901 0000 105901 0000 105901	pLD, Settian (10.45:00)           Status Received at (10.45:00)           ACK Serie at (10.47:00)           Status Received at (10.47:00)           ADK Serie at (10.47:00)           Status Received at (10.47:00)	
Customize	9 ide 10 ide 11 ide 12 ide 13 ide 14 ide 15 ide	0000 105900 0000 105900 0000 105900 0000 105900 0000 105900 0000 105900 0000 105900 0000 105900	Incr. 5 serv. at (1051:01) Status Received at (1052:01) ACK Serv. at (1052:01) Status Received at (1059:01) Status Received at (1059:01) ACK Serv. at (1059:01) ACK Serv. at (1059:01) ACK Serv. at (1059:01)	-

#### 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.



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.

MT-SmartX Setup	x
	Select Installation type
	○ <u>C</u> lient
	─ Server
	Stand <u>a</u> lone
S.	Select Server
	Enter the Sybase Server Name:
M. M.	Ex: SmartX_Server
	Enter Server IP address or Name:
	Ex: My_Server or 190.50.50.90
	< Back Next > Cancel

→ 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.

MT-SmartX Setup	x
	Select Installation type
	─ <u>C</u> lient
	© <u>S</u> erver
	Standalone
S.	Select Server
No.	Enter the Sybase Server Name:
	SmartX_Server
	Ex: SmartX_Server
	Enter Server IP address or Name:
	Ex: My_Server or 190.50.50.90
	< <u>₿</u> ack <u>N</u> ext > Cancel

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.

MT-SmartX Setup	×
Choose Destination Location	
Select folder where setup will install files.	METTLER TOLEDO
Setup will install MT-SmartX in the following folder.	
To install to this folder, click Next. To install to a different folder, click Browse an another folder.	d select
Destination Folder C:\Program Files\Mettler Toledo\MT-SmartX	Browse
InstallShield	
< Back Next >	Cancel

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 $\rightarrow$ Control Panel $\rightarrow$ Programs and Features $\rightarrow$ MT-SmartX

The uninstall application process will begin and a confirmation windows will appear. Select OK.

Confirm Un	stall	
Do you w	nt to completely remove the selected application and all of its features?	
	OK Cancel	

To completely remove the program and the database, click Yes. To uninstall and leave the database intact, click No.

Delete Database
Do you want to delete the database?
Yes 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: Beide Stating 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.

<b>N</b>	IT-Smart)	(		
File	Batch	Event	Reco	rd
	Import		Ctrl+I	
	Export		Ctrl+X	
	Backup		Ctrl+K	
	Restore		Ctrl+R	
	Databas	e		Þ
	User			F
	Log off			
	Exit			
	ATTA DOLL	-		

## 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.

MT-SmartX - Register	x
Welcome to MT-SmartX Registration. You can buy or update MT-SmartX by calling Me Toledo on 1-800-447-9206.	ttler
<u>R</u> egister >> <b>Exit</b>	
User key1: 314305825	
User key2: 132998612	
Register key1:	
Register key2:	

To receive your registration key, contact the registration support team via email at <u>mtsmartx@mt.com</u> 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.

Random Weight Type     Unit Price       0o-NHMINCSSSSX     Pack Date
--

### Menu and Toolbar

MT-SmartX functions are organized into three major aroups, 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 drilldown 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 Import Export Backup Restore Database Exit	Batch Open Close Delete	Event Open Resend Delete Event Monitor	Record New Copy Delete Restore Update Cancel First Prior Next Last	Communication Download Scale Diagnosis Hourly Totals Production Cutting Test Verification View Log	View Toolbar Status bar Color Settings Client Timeout Settings Application Settings Report Settings Settings	Help User Manua Register About
			Close			3-3

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File	Batch	Event Record
	Import	Ctrl+I
	Export	Ctrl+X
	Backup	Ctrl+K
	Restore	Ctrl+R
	Database	e 🕨
	User	•
	Log off	
	Exit	

File Men	u
	-

Imp	ort	Import Files from other programs such as Intelli-Net Pending File, Intelli-Net Export Files, Scalevision File, and Databack Files.
Ехр	ort	Export Files to other programs such as Intelli-Net Pending File, Intelli-Net Export Files, Scalevision File, and Databack Files
Bac	kup	Back up database to a file
Res	tore	Restore Backed up database
Dat	abase	Database Record Count and Cleanup
Log	Off	Log Off the current user
Exit	t	Quit the program

Bato	h Event	Record Commu
	Open	Ctrl+B
	Close	Ctrl+Shift+B
	Delete	

Even	t Record	Communication	View
	Open	Ctrl	+E
	Resend	Ctrl+Shift	+E
	Delete		
	Event Moni	itor Ctrl+	м

Reco	rd Commu	nication	View
	New	Ctrl+	١N
	Сору	Ctrl	+C
	Delete	Ctrl	+D
	Restore	Ctrl	+T
	Update	Ctrl	+U
	Cancel	Ctrl	+L
	First	Hor	ne
	Prior	Page Dov	wn
	Next	Page	Up
	Last	E	nd
	Close		

#### 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).
Сору	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.

Con	nmunication View	Help	
	Download		
	Scale Diagnosis	•	
	Hourly Totals	+	
	Production	+	
	Operator Totals	+	
	Cutting Test	+	
	Verification	+	
	View Log	Ctrl+V	

#### **Communication Menu**

Download	Download data to the scale	
Dominouu		
Scale Diagnosis	Ie Diagnosis Perform Scale Diagnosis such as communication test, extended sto 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	

SmartX Settings	
Application Settings	
Min. DB Size for Compaction( in MB) 20	
Max. Log File Size ( in MB) 10	
✓ Allow Enter keys to manipulate in Zone Dialogs	
Debug Levels	
C Log errors only	
C Log both errors and transaction summary.	
C Log all (Data sent, errors and transaction summary).	
Cancel	

### Report Settings

Report Name	Use Extended Report		OK
PLU Listing	2		Cancel
Master PLU		10	
Price Book			
Onsale Price Book	Ø		
Extra Text Master			
Nutrifact Master	2		
Graphic Master	Ø		

View Help		
$\checkmark$	Toolbar	
✓	Status Bar	
	Color settings	Ctrl+S
	Client timeout settings	
	Application Settings	
	Report Settings	
	Settings	+

Settings

#### **Reset Login Status**



#### Weighing Unit

Weighing Unit	
Weighing Unit	
⊙ LB	
O KG	
If KG is selected tare accepts 3 decimal points, where as 2 decimal points are accepted for LB weighing unit. (For tare 3 and 4 the format is always xx.xxx or xxx.xx)	

#### **Currency Increment**

Cu	rrency Increment	
	Currency Increm	ent
	Increment	
		DK 0.001

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

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

MT-SmartX - Register
Welcome to MT-SmartX Registration. You can buy or update MT-SmartX by calling Mettler Toledo on 1-800-447-9206.
Begister >> Egit
User key1: 314305825
User key2: 132998612
Register key1:
Register key2:

About MT-SmartX

Help Menu User Manual

Register

Display version and licensing information.

Help	•
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	About MT-SmartX

## 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 Exp	port
	Import Data from an external file such as Intelli-net Batch, Intelli-Net Exported Files, Scalevision Files and Databack File.
1	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.
F	Restore Database. Restore a backed up a database.
Batch	
3	Open Batch for edits
9	Close Batch
8	Delete Batch. Deletes existing batches.
Events	
Ì	Open Event to send changes to the store
তা	Resend - failed or completed Events

⊠	Delete Events
	Event Monitor – shows the status of the events
Records	
¢ <sup>®</sup>	New Record
	Copy Record to another
4	Associations – Displays the PLU the record is linked to, such as NF.
×	Delete a Record from the database
Database	
<b>P</b>	Update the batch with the changes
₽	Cancel changes performed to a record
Navigation	1
M	First Record in the database
•	Previous Record
	Next Record
M	Last Record
$\mathbf{>}$	Close Current Screen
Scale Fun	ctions
₽	Scale Download. Download Data to the scale
88	Log File View Communication log (Tree View)
Miscellan	eous
	Background Color Select
Ŷ	About – Displays version information
7	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.

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Administration	Zone Configuration	
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Record	d options Create NEW price/Freq Shopper and Tare ZONE records and copy from another ZONE 0 · Base Price Zone Create NEW price/Freq Shopper and Tare ZONE records for all plu's with zero values Do not add any new price, Freq Shopper price and Tare records OK Cancel	
En	ter the new Zone number and enter a name for the Zone.	

When creating the new Zone you have three available options.

- 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.
- 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.

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V Tranagement V Tra Text trafact abhc ade ton ol ets ore spatment ster toh ent	Popularier for the second seco	<ul> <li>B</li> <li>Pindue</li> <li>Table<sup>2</sup></li> <li>Tige Maket</li> <li>Inysteen, USA</li> </ul>					
	Number D	sorgeton1		no be caped	Number	Coperational Consciptional	

- 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.

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- 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.

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		PUt is in definition department PUt is in definition department

#### Department Configuration Main Screen

#### **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.

		Dep	artment		
Select -	C tur	C maths	Ø Der	C Sum	
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### **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.

Department			User		
Zone Add New Scale Automatic Backu	Select	@ New	C Hudly	C Deinte	
Database Composition an Hanangement PLU Extra Tent Nutrifact Grade Saphic Grade Saphic Grade Saphic	Derivations			and Uber	
	Select /	13			

- 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  $\rightarrow$  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.

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#### **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.

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		( Briter	Patoh		

#### 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.



#### **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.

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#### **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.

nert.		Sca	les For ' MT-Market #2 '		
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#### **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.

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	Ready	Admin Day(s) Ru	maining = 361	

#### 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.
### Chapter 3: Administration Database Compact

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### 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.

MT-SmartX		
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4 3	Apply	
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**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.

Name       Status       Generate Date Time       Apply Date Time       User Name         071611-Reg       Queued for Proce       07-19-11 02:35:18       07-19-11 02:35:18       Admin         1       Queued for Proce       07-19-11 02:35:18       07-19-11 02:35:18       Admin         Image: Status       Queued for Proce       07-19-11 02:35:18       07-19-11 02:35:18       Admin         Image: Status       Queued for Proce       07-19-11 02:35:18       07-19-11 02:35:18       Admin         Image: Status       Queued for Proce       07-19-11 02:35:18       07-19-11 02:35:18       Admin         Image: Status       Show completed events       View Events from       7/19/2011       Image: Status         Image: Status       Dispatched event(s) for integrated scale driver.       2011-07-19 11:02:35:6 PM       Queued for Proce         Image: Status       Dispatched event(s) for integrated scale driver.       2011-07-19 11:02:35:6 PM       Update interval         Update interval       1       Minute(s)       Times from the base of th					
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### **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  $\rightarrow$  Import. The types of import are shown on the left side of the File Import screen.



## **Import Batch**

PR ET	
Batch	

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

- Click the Batch Icon.
- Click the browse lcon 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.

File Import - Batch	
PR ET Batch	Open Batch File to Import
Regular	Browse
AI AL SM GPF	
Databack	Import Diose
SmartXML	
Com One ComOne	

### **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.

### Chapter 3: Administration Import

File Import - Regula	ar		×
PR ET Batch	Open Filetype(s) t File Type	o Import File Name	Browse
Regular	🗹 Extra Text		Browse
AL AL SM GPF	Action Code     Nutrifact		<u>B</u> rowse
Databack		Import <u>C</u> lose	
E Cateni SmartXML			
Com One ComOne			

### **Regular Import Screen**

## **Import GPF**

AI AL SM	
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 lcon 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 lcon 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.

File Import - GPF	×
PR ET Batch	Select a File to Import-
Regular	Browse
Databack	Import Liose
SmartXML	
Com One ComOne	

## Import DataBack



If your DataBack or WinDataback files have an extension of 000, 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.

File Import - Datab	ack	<b>×</b>
PR ET Batch	Select Filetype(s) to Import       File Type       File Name       ☑ PLU	
Regular	Extra Text     Graphic     Nutrifact     Cool	
GPF	Select a Store: Tiger Market Store #1	
Databack	Import Close	
Com		

### **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.

### Chapter 3: Administration Import



### **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

Intelli-Net Export Pending Files	Export - Batch File	- Select Batch Filetype(s) File Type	Batch Name
Intelli-Net Export Regular Files	Batch Regular AL SM	Extra Text. Control Code Nutrifiect Graphic Select Department(s)	ину он и на колоси У Г Г Г Г Г Г Г Г Г Г Г Г Г
ScaleVision Generic Pending Files Export	OFF	Number 0 1 2 4 5 6 7	Name Deli Sushi Seafood Meat Bakery Inti RedProd
Databack Files Export		Select a File to Export	Browse

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

### **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

### Chapter 3: Administration Export

20	Select Batch Filetype(s)	
FT	File Type	Batch Name
	🗖 Regular	Reg 07/14/11 13:56:52 🔽
Batch	Extra Text	<b>_</b>
	Action Con	
(R)	Actoricoc	
Regular	Nutrifact	<b>_</b>
	Graphic	Grx 06/30/11 13:30:53
SM	Select Department(s)	
GPF	Number	Name
	0	Deli
	2	Seafood
	4	Meat
Databack	5	Bakery
	7	RedProd
	- Select a File to Export-	
	· · · · · · · · · · · · · · · · · · ·	Desure
	1	Drowse
	L	

**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

	Select RegularFile	Type(s)		
ET	File Type	File Name		
Batch	PLU			Browse
	Extra Text			Browse
ß	Action Code			Browse
Regular	Nutrifact			Browse
GPF	0 1 2 4 5	Deli Deli Sushi Seafood Meat		
Databack	6 7		Intl RedProd	

**Export Regular Files** 

## **Export GPF**

AL AL SM	
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 Fi	le		×
PR ET Batch	Select Databack Filetype(s)           File Type         File Name           Image: PLU         4Line           Image: PLU         4Line           Image: PLU         4Line		
Regular	Graphics  Nutrifact  Cool Text	Select a file to Export PLU Save jn: MT-SmartX  Mame Date m Backup 7.18/2C Bmps 7.18/2C	
AL SM GPF	Prod Text Country Text Pre Text	INI Files         7/19/20           Sybase         7/18/20           xmbsl         7/18/20           e         100           File game:         Tiger_PLU           Sum submer:         100 (1970-7-1-1)	011 2:43 PM Fi 011 10:39 AM Fi 011 10:38 AM Fi <u>Save</u>
Databack	Select Store and Department(s) Select a Store ♥ Tiger Market Store #1 □ Tiger Market Store #2	Select Departments	
	Tiger Market Store #3	Seafood ♥Meat Bakery Intl RedProd	
	<u>Export</u>		

**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.

Num	ber	Name			
1 2 3		Tiger Market Store Tiger Market Store Tiger Market Store	#1 #2 #3		
Selea	st Scale(s)	P	Communication Type		
•	Smallcook				

**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 down	nload		×		
Select I	Department(s)		Scale download		×
Num	ber Name	Address			
0	Deli	Tiger Markets			
1	Sushi	Tiger Markets			
2	Seafood	Tiger Markets			
4	Bakany	Liger Markets			
	bakery	Tiger Markets	-		
	-		Select when to apply the ev	ent	
Selec	t Data				
	O Al Data 4 Une PLO				
		Grade			
	Extra Text	Nutritionfact	Now	Apply Event Date	
	Linked Extratext	O Linked Nutrifact		7/20/2011	-
	O All Extratevt	O All Nutrifact		,	
			O Tonight		
	Action	Graphics		Apply Event Time	
	C All A star	O All Cookies		11:26:18 AM	-
	Carl Last	Card Drad diag Text	Customize	,	
	O Linked Lool Text	Unked Production Lext			
	O All Cool Fext	O All Production Text			
	Cool Country Text	Cool Pre Text			
	Linked Country Text	<ul> <li>Linked Pre Text</li> </ul>			
	O All Country Text	O All Pre Text			
	Department address	le memory before download			
		< Back Next > C	er		
				< <u>B</u> ack Finish	Cancel

### 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**

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

Recommended file naming conventions is SmartX\_currentdate

To back-up database;

- 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.

MT-SmartX Maintenance Backup
Backup Options          All (Data and Schema)         Backup Data Only (Unloads all data tables)         Backup configurations Only(Unloads user configuration data)
Select Backup Directory File
Backup Cancel

**Backup Database** 

## **Restore database**

To restore a database from previous a backup:

- From the menu select File  $\rightarrow$  Restore.
- Click the browse button (...) and navigate to where the database file is located.
- Highlight the file and click Save.
- Press the Restore button.

MT-SmartX Maintenance Restore			
Restore Cancel	Open	×	<u> </u>
	Look in: MT-SmartX	← ⊾ 📪 💷▼	
	Name	Date modified	Ту
	📕 Backup	7/18/2011 11:03 AM	Fi
	\mu Bmps	7/18/2011 10:38 AM	Fi
	INI Files	7/19/2011 2:43 PM	Fi
	🎍 Sybase	7/18/2011 10:39 AM	Fi
	📕 xmbsl	7/18/2011 10:38 AM	Fi
	·	1	<u>•</u>
	File <u>n</u> ame:	Open	
	Files of type: MT-SmartXBackupFile(*.MXB)	▼ Cancel	

### **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  $\rightarrow$  Database  $\rightarrow$  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.

<b>M</b>	IT-SmartX			L	tan Per di	
File	Batch	Event Re	ecord	Communication V	/iew Help	
	Import Export Backup Restore Database	Ctrl Ctrl Ctrl Ctrl	++I +X +K +R	E (한 (한) (첫 ) (한) (한) (한) (한) (한) (한) (한) (한) (한) (	Database - Record status Database - Record status Record details Data Element Count :	
	User Log off Evit		•	Clean up	PLU : 5131 Extra Text : 3540 Nutrition facts : 1813 Graphics : 456 Grade : 0 Action : 1	
	LAIL		I	I	Cool Text : 0 Cool Production Text : 0 Cool Country Text : 0 Cool Country Text : 0	•

### **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.

Cha	nge DB Password		χ
	Old Password		
	New Password		
	Confirm Password		
	-	OK Cancel	

**Change DB Password** 

**Password Reset** 

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

	N N	IT-SmartX	1								
	File	Batch	Event	Record	C	omn	nunio	catio	n	View	Hel
		Import	C	trl+I	F	٢	তাঁ	🕅		1 🔨	• <sup>B</sup>
		Export	C	trl+X	F						
		Backup	C	trl+K							
		Restore	C	trl+R	L						
		Database	2	+							
l		User		×		R	eset l	Pass	woi	rd	
		Log off			Γ						
		Exit									
1	-										

### Chapter 3: Administration Logoff

Password Reset	x
Select User	
User Name	Admin
New Password	
Confirm New Password	
Reset Pass	word Close

## Logoff

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

## Exit

7

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**



**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**

You must press ENTER after typing in the key field.



**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.

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**



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

Filter <all></all>	Na <u>m</u> e Re	g 07/14/11 13:56:52
plu Reg 07/14/11 13:56:52	Description	
9P×Grx 06/30/11 13:30:53	Type	
		O Extra Text
	O Grade	O Nutrition Fact
	O Action	O Graphics
	O Price 0	nly O On Sale
	O Cool	O FS On Sale
	Property	Description
	Created by	Admin
	Lreated on	Jul 14 2011 13:56:55 Admin
	Accessed on	Jul 14 2011 13:56:55
	Modified by	Admin
	Modified on	Jul 14 2011 13:56:55

#### **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.

plu Reg 07/25/11 13:25:02       Description         Type <ul> <li>Regular</li> <li>Extra Text</li> <li>Grade</li> <li>Nutrition Fact</li> <li>Action</li> <li>Graphics</li> <li>Price Only</li> <li>O In Sale</li> <li>Cool</li> <li>FS On Sale</li> </ul> <li>Default New Batch Name Option</li> <li>Date / Time</li> <li>User / Date / Time</li> <li>Others</li>	Existing Batches       Filter	Batch Information Name Reg 07/2	25/11 14:57:20
	plu Reg 07/25/11 13:25:02	Description Type ③ Regular ④ Grade ④ Action ④ Price Only ④ Cool Default New Batch N ④ Date / Time ④ User / Date / ④ Others	O Extra Text O Nutrition Fact O Graphics O On Sale O FS On Sale ame Option

### **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.



 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.

Number	Description 1	Description 2	Item Number
1	Plu One		1
2	Cigar Standard Order	L Veggie & L Appitite	0000000220
3	Pecorino Primo Pistachio		0000000220
4	Imported from Holland	4 year old Gouda - Pittig	0000000220
5	Rosenborg Blue Cheese	.35 lb Cup	0000000220
6	Prosciutto di Parma		0000000220
7	Seltzer's Sweet Lebanon		0000000220
8	Pasta w/ Cherry Tomatos		0000000220
9	Cacciatorino		0000000220
10	Bluegrass	Honey Roasted Turkey	0000000220
11	Bluegrass	Smoked Peppered Turkey	0000000220
12	Herkimer Cheddar		00000000220
13	Boar's Head American Ch		00000000220
14	Belton Farms Double Glou	Onion and Chive	00000000220
15	Chili to Transfer		00000000220
16	Cranberry Relish		00000000220
17	Prairie Breeze	Cheese	00000000220
18	Redwood Hill Farm	Goat Milk Cheddar	00000000220
Seek			
Filters Select Filte	er <u>V</u> alue		
None	▼ =		Eind

Search Screen

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

- 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.

- 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).
- 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.

Туре	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.

Price	<b>»</b>
Freq.Shopper price	<b>»</b>

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

				PLU: #11 in D	epartmen	nt: 'Mea	it'		
	Base					Sale			
Zones	Store Name	Price	Plu Typ	•	Modifier	Force	Price	Plu Type	Modifier
Base Price Zo	MT-Market Sto	1.99	Price Pe	Pound	1		1.99	Price Per Pound	1
		Copy Row Paste Row Add Row Delete Row	6						
					·				

### 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.

			1201 #11 111	beput emen				
	Base				sale			
ones	Store Name	Price	Plu Type	Modifier	Force	Price	Plu Type	Modifie
ase Price Zo	MT-Market Stor	1.99	Price Per Pound	1		1.99	Price Per Pound	1
•	💌	0.00	Price Per Pound	0		0.00	Price Per Pound	0
se Price Zone								
	3							

**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 LbFor 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
- 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
- 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 CtrI-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.



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## 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







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

MT Insti		modify or delete entry had records	COLUMN 25
rie Batch Event Record Com	nunication View Help		
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	Rear 4 Calume 11 Indel Characters	148	
Summer and Address of the International State			
ardy	Admin	Etx 07/25/11 11.13:00 Extra Text Days:	Femalining = 357

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

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3	42		
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6	42		
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Find-		_	Link/Insert
0			<ul> <li>Link Extra Text</li> <li>Insert Extra Text</li> </ul>
			OK Cancel
	ale Protos		at an Inc. at Faster Taxat

Link Extra Text or Insert Extra Text

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

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

 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 and Replace	x
Match	
Match Case	
SYRUPSOLIDS	
Replace With	
SYRUP SOLIDS	
Next Cancel	
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.



ET No 37 181 446 786	Chars/Line 42 42 42 42 42	INGREDIENTS: SUGAR, FC COCOA (NATURALPROCESS), NTRATE, PARTIALLY HYDRC ONUT & PALM OILS, TEJ E, SALT, POTASSIUMSOF OR), CORN SYRUPSOLIDE
		CASEINATE.TOPPING: WAI GENATEDVEGETABLE OIL (C FTHE FOLLOWING: COCONU AN, & PALM KERNEL OILS CORN SYRUP, SODIUMCAS LAVOR, LECITHIN, POTAS CEROL ESTERS OF FATT)
Find-		Apply to All Apply

### 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  $\rightarrow$  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.

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## **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.
- 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.





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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**

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**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.

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		Serv Size2	and the second se	Other Carbonydcale(g)	1.0	
	[ Label Formal	Serving Size Text	229	Protein(g)	,	
	Crie label PLU/NF format	Servings per Container		Protein(%)		
	1.	Calories	110	Vitamin A(%)		
	C Abarrate 10F first label	Calories from Fat	50	Beta Carotene(%)		
		Calories from Saturated Fat		Vitamin C(%)		
	C Aberrate PLU first label	Total Fat(g)	6.0	Calcium(%)		
		Total Fat(%)	9	Iron(%)		
	C Group INF Fest label	Saturated Fat(g)	1.5	Vitamin D(%)		
	C Group PLU find label	Saturated Fat(%)	1	Vitamin E(%)		
		Trans Fatty Acid(g)		Thiamin(%)		
	[ Deta	Polyunsaturated Fat(g)		Riboflavin(%)		-
	C Standard	Monounsaturated Fat(g)		Niacin(%)		
	C Simpled	Cholesterol(mg)		Vitamin B6(%)		
	f flerving size	Cholesterol(%)		Folate(%)		
	Courses	Sedium(mg)	25	Vitamin B12(%)		
	C Paces	Sodium(%)	1	Biotin(%)		
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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.

nstration Hanagement JJ		Nutritionfa	ect		
dra Text Number 1510					
sphic Label Templato	Endersity required fields	0	Force Printing of Vib. A-C and Celcium		
ction @ Vertical	Nutrition Name	Value	Nutition Name	Value	
C Tabylar	Serving Size		Sugar(g)	4	
C Unar Portrait	Serving Size (g)		Sugar Alcohol(g)		
C Liner Landscope	Serv Size2		Other Carbohydrate(g)		
e Label Formal	Serving Size Text	229	Protein(g)	1	
	Servings per Container		Protein(%)		
RY One label PLU/NF format	Calories	110	Vitamin A(%)		
C Investigation	Calories from Fat	50	Beta Carotene(%)		
C Allertais for the spe	Calories from Balurated Fat		Vitamin C(%)		
C Aberrate PLU first label	Total Fat(g)	6.0	Calcium(%)		
	Total Fat(%)		Iron(%)		
C Group INF Feet label	Saturated Fat(g)	1.5	Vitamin D(%)		
C down Rillford Mar	Saturated Fat(%)	1	Vitamin E(%)		
C. Gray Post Fields	Trans Fatty Acid(g)		Thiamin(%)		
Costs	Polyuns aturated Fat(g)		Fliboflavin(%)		
@ Standard	Monouns alturated Fal(g)		Niacan(%)		
C Septied	Cholesterol(mg)		Vitamin B6(%)		
C Serving size	Cholesterol(%)		Fotote(%)		
Course	Sedium(mg)	25	Vitamin B12(%)		
C Page	Sodium(%)	1	Electro (%)		

### 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.



5. Once you have completed entering your data, update the record by pressing the Update button, pressing CTRL-U, or select Record  $\rightarrow$  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  $\rightarrow$  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.

Copy Nutritionfact
Enter Nutritionfact number, to which the current record is to be copied
4416
OK Cancel

- 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  $\rightarrow$  Update from the menu.

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## **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.
- 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.





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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.
- 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.

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<ul> <li>Seedy</li> </ul>	Admin	Ger (7/27/11 1347-22	Graphics Day(i) Re	maining = 355

**Import Graphics** 

- 冎
- 5. Select a graphic by highlighting the graphic file from your file system and click Open to insert the graphic in the graphic box.

#### Chapter 4: Data Maintenance Graphic



6. Once you have completed, update the record by pressing the Update button, pressing CTRL-U, or selecting Record  $\rightarrow$  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.
- 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.
- 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.

Event Creation				
Operation Vew	Event Name			Stores
Unprocessed Batches				
Y Batch Name	Batch Type	Created by	Create Ti 🔺	
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Nuf 07/27/11 11:24	Nutrition Fact	Admin	27 Jul 201 ≡	
Grx 07/27/11 13:47	Graphics	Admin	27 Jul 201	
			. Fi	Select All Stores Select Scales
None	-		Filter1	Apply type, Send duration
- Processed Batches				Apply to Database & scale
Y Batch Name	Batch Type	Created by	Create Ti 🔺	New
Reg 07/25/11 13:25	Regular	Admin	25 Jul 201 =	Food at Apply at
Reg 07/25/11 15:29	Regular	Admin	25 Jul 201	Send at Apply at
Reg 07/25/11 15:50	Regular	Admin	25 Jul 201 🖕	7/27/2011 👻 7/27/2011 👻
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None	•		Filter2	2:10:51 PM × 2:10:51 PM ×
			Do	Close

Create Event to Update Graphic Batch to Scales



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### 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

MT-SmartX			, and 2 scoles, in to prodes 1	-4 on the Type-2 8301 sock	The Transfer with
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Administration     Administ		Nanter (1 Nane (1550,000)	Grade		
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			and the second of the second of the	A STREET WAS IN THE OWNER.	

#### **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.

#### Chapter 4: Data Maintenance Action Messages

**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

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File Batch Event Becord Communication	Yere Help			
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e jamme je je	Ateon	Are 07/27/01 14-48-99	Artica	David Execution - 195
			( second	

#### 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.

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Cool Actorn Cool Cool Cool Actorn Cool	r Coal	Trok Overtee Sinter Oberderperker <b>3</b> 2			
	Total Rows: 1	Total Characters: 9			
Ready		Admin	Cool 07/29/11 13/29:13	Cool	Day(I) Remaining a 353

#### **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.



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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.

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	Row 1 Column 41 Total	Characters: 40		
K	1.8444	Cost 07/00/113/04/1	Cont	Party Remaining - 163
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#### 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  $\rightarrow$  Open from the menu.

Cm	Daily Haintenance			_	Y S Name	Address1
rocessed Batches					2 MT-Market #2	320 High Street
C All	Batch Description	Batch Tune	Created by	Create Time		
Rep 10/28/13 15:17:21	New PLU's	Regular	Admin	28 Oct 2013 15:17		
One 10/28/13 15:18:1	Xmas 2013 Ad	On Sale	Admin	28 04 2013 15:18		
Ons 10/28/13 15:18:1:	off-sale Xmas 2013 Ad	Off Sale	Admin	28 Oct 2013 15:18		
Etx 10/28/13 15:19:20	New Bakery Ingredient	Extra Text	Admin	20 Oct 2013 15:19		
Nuf 10/28/13 15:19:56	NF Delete	Nutribon Fact	Admin	28 Oct 2013 15:20	< <u></u>	
1			-		Select All Stores	Falant Faulan
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ur mu	<u></u>					

#### **Event Create Menu**



**Optionally select a scale** 

#### **Chapter 4: Data Maintenance**

Eve	ents
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	tion	Event Name			Stores	
New		Daily Maintenance		-		
					Y S Name	Address1
					MT-Harket Store #1	123 Main :
Unpro	cessed Batches				2 MT-Market #2	320 High S
E.	All					
Y	Batch Name	Batch Description	Batch Type	Created b		
	Reg 10/28/13 15:17:21	New PLU's	Regular	Admin		
	Ons 10/28/13 15:18:1	Xmas 2013 Ad	On Sale	Admin		
	Ons 10/28/13 15:18:1:off-sale	Xmas 2013 Ad	Off Sale	Admin		
	Etx 10/28/13 15:19:20	New Bakery Ingredient	Extra Text	Admin		
	Nuf 10/28/13 15:19:56	NF Delete	Nutrition Fact	Admin	×	
20					Select All Stores	2000220000
-		-		Elbert		Select Scales
Tran		2)		Criver a.	Apply type, send oursoon	
roces	ssed Batches				Apply to Database & scale	
Г						
[Y	Batch Name Batch D	escription Batch Type Creat	ed by Create 1	Time Modifie	Customize	<u>×</u>
					Send at	Apply at
						8/2013
Ŀ					10/20/2013	0/2013
						0.00.04
		. 11	2		6.00.00 BM	
*				Filler 7	9:00:00 PM	1
× Non	ne	" 	u	Filter2	9:00:00 PM	
K [	ne	" 	i	Filter2	9:00:00 PM A	

#### 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.

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.

ton	05		
Y	5	Name	Ad
V	1	Tiger Market #1	125
Z	2	Tiger Market #2	435
И	3	Tiger Market #3	135
s S	elect y typ	: All Stores Select Sel	, icales
* S ppl	elect y typ	All Stores Select 5 ee, Send duration Database & scale	; icales
* S ppl kpp	elect y typ	All Stores Select 5 e, Send duration Database & scale	; cales •
F S ppl ppl tow	elect y typ ly to ght tomi	All Stores Select 5	t Scales
s ppl ppl inv oni	elect y typ ly to ght tomi	All Stores Select 5 re, Send duration Database & scale	+ icales • •

### On-Sale / Off-Sale Events

#### **METTLER TOLEDO® SmartX User's Guide**

Y         Batch Name         Batch Tr           Pro         07/25/11 15:54;         Price On           Ons         07/27/11 16:04;         On Sale	ype Created by ly Admin	Create Time	2 Tiger Market #2
Pro 07/25/11 15:54: Price On Ons 07/27/11 16:04: On Sale	ly Admin	25 Jul 2011	3 Tiger Market #3
Ons 07/27/11 16:04: On Sale	·	23 JUI 2011	
	Admin	27 Jul 2011 :	
Ons 07/27/11 16:04 Off Sale	Admin	27 Jul 2011	4 m
۰ III		4	
None		Filter1	Apply type, Send duration
Processed Batches	[ U		Apply to Database & scale
Y Batch Name Batch T	/pe Created by	Create T A	Customize
Reg 07/25/11 13:25 Regular	Admin	25 Jul 20: -	Send at Apply at
Reg 07/25/11 15:29 Regular	Admin	25 Jul 20:	8/ 1/2011
Reg 07/25/11 15:50 Regular	Admin	25 Jul 20: 🕌	
		4	1:00:00 AM
None		Filter2	

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.

Jpdates 7/27 Graphics Updates 7/27/ Reg 2 7/27/11 ET 7-27 Reg #2 7/25 Reg Batch 7/25	11	Tiger N	Aarket #1 Aarket #2 Aarket #3	
Due Now	Send Event At :		Apply Event At :	
O Tonight	7/28/2011	-	7/28/2011	~
O Customize	10:36:29 AM		10:36:29 AM	<u></u>

**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.

	Event Eller	
Select Event(s)	Event Filter	All Events including Queued for processing Events
COReg Batch 7/25	pE On	Sale 8/1/11 All Stoff-sale
- Heg #2 //25		
0 B 07/07/11		
<ul> <li>Reg 2 //2//11</li> <li>Graphics Undetex 7/27/</li> </ul>	411	
Contapriles Opualles 77277 O Londates 7/27		
CO Batch Changes 7/28/11		
pE On Sale 8/1/11 All St		
Event Information		
Property	Descri	ption
Name	Batch	Changes 7/28/11
Event State	Event	Completed
Apply Constate CPE Time	Yes 07.20	11 10 25 E0 AM
Applu Scale Time	07-28-	11 10:35:58 AM
Update DB	Yes	1110.00.00 AM
Export	Yes	
User Name	Admin	
Last Modified Un	07-28-	11 10:36:23 AM
		Delete Close
MT-SmartX		X
2	Do you wan	t to delete completed events ?

**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.

Refresh	Suspend	Resume	Resend	Delete	Show/Hide
	Event Monir Event Monir Name On Sale 8/1/11 Al On Sale 8/1/11 Al	Status Status M. Pending S. Pending	Generate Date Time 08-03-11 04:14:49 08-01-11 01:00:00	Exit Apply Date Time User Na 08-03-11 04:14:49 Admin 08-01-11 02:00:00 Admin	
	Auto Refresh Refresh Interval Event Update Age Agent Property Status Last wake up Current System T Update Interval Last action was Version info	(Min) 1 Int Information	Show complete View Events fro Dispatched event(s) for into 2011-07-27 15:18:46.4790 07-27-11.04:19:23 PM 1 Minute(s) Dispatched <updates 2<br="" 7="">Server info Unavailable</updates>	d events m 7/27/2011  grated scale driver. 00 7> event to integrated scale driver	er

#### **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. Select Events to resend Select the stores 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.



For your notes

# 5

## **Scales and Reports**

### **Scale Diagnosis**

The Communication  $\rightarrow$  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.

MT-SmartX			Select the programs option	P. He store and scoles to perform diagnosis incomenter
File Batch Event Record	Communication View Help			
方 卫 图 色 马 马 为	Download	温辰  日日 ) 1 图	8 🖽 II 🖇 🗘	
Administration	Scale Diagnosis +	Request Scale Data		
Reports	Hourly Totals +	Report		
	Production +			
	Operator Totals +			
	Cutting Test +	12		
	Verification +	111		
	View Log Ctrl+V	1111		
	-	11/1/1		
		a alla alla 🛛 🖉 🖉		TALEDA
			11/1/11/10	
		a I. I. Ia Ia	NA COMPANY	IVLLUV
< () > () > () >				
		Admin		(Day(s) Remaining = 354

#### **Scale Diagnosis**

To perform Scale Diagnosis:

Select Communication  $\rightarrow$  Scale Diagnosis  $\rightarrow$  Request Scale Data from the menu. Select the function, store, and scale and then click the Next button.

Available Diagnostics	Select a store	All Stores
Communication Test	Store No.	Store Name
Retrieve Extended Status	1	Tiger Market #1
Compress Memory	2	Tiger Market #2
	3	Tiger Market #3
	Select Scale(s)	Scale Type
	1	Smarttouch
•	•	

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.

cale Diagnosis		×
Select Departments	Event Send And Apply Date	
✓Deli ✓Seafood	• Now O Tonight	O Customize
I Meat I Bakery	Send Date	Apply Date
	7/28/2011 💌	7/28/2011 💌
	Send Time	Apply Time
	- On the D	Data Consul
	< <u>D</u> ack	Cancel

**Scale Diagnosis Option** 

Scale Diagnosis Report Select an event to view Diagr 2011-07-28 02-01-30 PM		
	Diag-2011-07-28 02-01-30 PMArk - Notepad           File Edit Fgrmat View Help           wu02000001 On-Line           X52000001           BUILD DATE           BOT BUILD DATE           PART NO.           EVILD DATE           PART NO.           EVILD DATE           PART NO.           EVILD DATE           PART NO.           EVILD DATE           BOOT BUILD DATE           PART NO.           UST EL73580R, V2.2.3           PRET VER           INTSC VER           BRSTUS VER           DB EXTRATEXT VER-           DB GRAPHTCS VER           CURRENT DATE           CURRENT DATE           DB GRAPHTCS VER           CURRENT DATE           SCONDUCT           MIN MEM AVAIL           PO6461562	
, <u>R</u> eport	Cancel	· )

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  $\rightarrow$  Hourly Totals  $\rightarrow$  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.

Available	S	elect a store	
Hourly Totals	S	tore No.	Store Name
	1		Tiger Market #1
	2		Tiger Market #2
	3		Tiger Market #3
	S	elect Scale(s)	
	S	cale ID.	Scale Type
	1		Smarttouch
	· _		

Hourly Totals / Select Store

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

S	cale Diagnosis		
	Select Departments	Event Send And Apply Date	
	Cel Seafood Meat	⊙ Now O Tonight	O Customize
	Bakery	Send Date 7/28/2011	Apply Date 7/28/2011
		Send Time 2:10:33 PM	Apply Time
MT-SmartX	07-28 02:11:40 PM' generated successfully.		
		< <u>B</u> ack	Finish Cancel

#### 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.

Completed Event(s)	Stores List	
Hrly: 2011-07-28 02:13:58 PM Hrly: 2011-07-28 02:13:42 PM Hrly: 2011-07-28 02:11:40 PM	Store No.	Store Name Tiger Market #1
Merge Options Append data Overwrite existing data	Warning Ensure that necessa to the scale.	ry departments are assigned

Merge Scale Data

### Production

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

Available		Select a store	
Retrieve Totals		Store No.	Store Name
Clear Totals		1	Tiger Market #1
		2	Tiger Market #2
		3	liger Market #3
		Select Scale(s)	
		Scale ID.	Scale Type
		1	Smarttouch
٠ 🗌	•		

#### **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.

Select Departments	Event Send And Apply Date	
✓Deli ✓Seafood	⊙ Now O To	onight O Customize
V Bakery	Send Date	Apply Date 7/28/2011
	Send Time	Apply Time
1		

**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  $\rightarrow$  Cutting Tests  $\rightarrow$  Request Scale Data.



#### **Cutting Test**

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

Available	Select a s	tore
Cutting Test	Store No.	Store Name
		Tiger Market #1
	2 3	Tiger Market #2
	Select Sc	ale(s)
	Scale ID.	Scale Type
	1	Smarttouch
•	•	

**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.x22

Select Departments	Event Send And Apply Date	
Deli Seafood	O Now O Tonight O Cust	omize
Meat ☐Bakery	Send Date         Apply Date           7/29/2011         7/29/2011	1 💌
	Send Time         Apply Time           8:16:47 AM         8:16:47 A	M
	Cutting Test Parameters	
Master ID	Satelite ID Cutting Test No.	÷
	< <u>B</u> ack Finish	Cance
MT-SmartX		×
•	Event 'Cuts: 2011-07-29 08:19:04 AM' generated successfully.	
	ОК	

#### **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  $\rightarrow$  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  $\rightarrow$  Verification  $\rightarrow$  Request Scale Data.

the desident of the second of the		
IN BACK FARE FACTOR L	ommunication View Help	
1 宇田島 うらえ	Download	N N N N N N N N N N N N N N N N N N N
Administration B Data Hanagement Reports	Scale Diagnosis + Hourly Totals +	
	Constant Con	
	Verification +	Report scale data
	ViewLog Obl+V	Moye sale data Report
	ME	TTLER TOLEDO

#### **Verification Request Scale Data**

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

	Select a stole	
Read All Plu Data	Store No.	Store Name
Read All Extra Text Data	1	Tiger Market #1
Read All Nutmact Data	2	Tiger Market #2
	Select Scale(s)	
	Scale ID.	Scale Type
	1	Smarttouch

Verification Select Data/Store/Scales

#### Chapter 5: Scales and Reports Verification

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

Select Departments	Event Send And Apply Date	
Deli     Seafood	⊙ Now O To	night O Customize
Bakery	Send Date	Apply Date
	7/29/2011 💌	7/29/2011
	Send Time	Apply Time
	9:05:10 AM	9:05:10 AM

### Verification Select Department, Time/Date

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

v	erification	Report					×
	Select a S	Store			Select a	a Scale	
	Number	Name			ID	Туре	
	1	Tiger Ma	arket #1		1	Smarttouch	
	2	Tiger Ma	arket #2				
	3	ngerma	aket #3				
	J				1		
	Select D	)epartme	nt(s)				
			Number	Name			
			0	Deli			
			2	Seafood			
			3	Bakeru			
			-	balloty			
			ļ				
			1	Benort	Cane	al	
			l	Порон			

**Verification Report** 

The report can be viewed or printed.

									910	Verifica	tion To	r Depart	ment: 0				
PLO ITEM Bo BTHSE	ITEN STREER	DESCRIPTION	RETAIL FRICE	295 CCD	нар	THE	ALT TARE	CLA55/ 08077	Grede	SHELF LIFE	883 27	ACTN CODE	Text. CODE	37 CODE	GRAPHIC CODE		
00001	313	11111111111111111111111111111111111111	1111.11			1.00	2.00	232	2	191	141		202020	222222	24262 8	E 18	
00002			910 EX193	15 15 5	CALE BUT B	107 IN ERTS	3355										
00223		1	910 EX193	15 18 5	CALE BUT I	IN IN LAIN	BASE										
00224			PLO EXIST	18 18 8	CALE SUT 1	107 IN 1833	81.55										
00225			117 EX193	10 18 0	CALE SUT 1	107 IN E833	3455										
00226		1	P10 EX193	15 18 5	CALK NUT I	OT IN EACH	NASE										
00007		1	910 EX193	15 15 9	CALE BUT 5	107 IS 1813	1152										
00225		1	P10 EX151	15 18 5	CALC BUT I	OT IN EATS	MASE										
Date 10/28	2011																

### **Event Logger**

You can view the event log from the menu by clicking on Communication  $\rightarrow$  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  $\rightarrow$  Store  $\rightarrow$  Configuration from the explorer menu.
- 2. Select Store or all and click the Show Report Button.



#### **Select Stores**

		Stare Configuration	-	
Store Hame: Tiper Market #1 Address: 1234 Market Storet, Columbus, 08, 44023.	Store Not 1 Phoue : 4145542121 Fax : 4145542122			
Ione Information				
Come Number : 0 Come Name : Base Ione				
SCALES			 	
Koale Becalls Koale Diri 1 Koale Type : Smarttsuch Koale Hame : STERPRO Descimenturgeli, Sealood, Mean, Dakery	Communication Details 17 Address : 172.10.50.94 Pers : 2305			
Sperinesistically searcood, mean, peakery				

Scale Configuration Report (Page 1)

### Department

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

목 15 kH kH 27 19 24 0 0 10 10 ⊕ 27 Administration	■ ▲ # ◎ ☆ ◎ # ● ■ ● ● ■ ▼ ♥
Data Management     Reports	PLU - SalePrice Report
3 Store Operative: O	Select Devendence/lip)       Image: Select All       Select All       Select All       Image: Select All       Select All

Reports / Department Menu

### **PLU Listing**

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

MT-SmartX					X -
File Batch Event Rev	cord Communication View Help				
12 T H H H 2 3	🛙 💥 ២ ៧ ៧ 🖬 🔍 ្រំ។	◎ 沪 市 辰   K ∢ ト 月 図   緯長	a III 8 DP		
Administration	nt		Department	PLU Report	
Comparison of the second	k, p	Secied Department(k)     Secient     Secient     Secient     Secient     Secient     Control     Secient     Control     Contro     Control     Control     Control     Control     Control     C	C Select Al	Te	Day(s) Remaining = 353

			OnSale Price Bed	×	WITTER KKIDO		
		Price	Book For Dep	artment: Deli Zone: Bas	ie Some		
PLU Item	Description	Fig Type	Nodifler	Price			
000100 14424556	Western Smoked Han This Sliced	Price Per Pound	0	0.00			
000101 144554767	Western Honey Ham	Frice Per Found	٥	6.00			
000102 122774809	Western Colby Cheese This Slited	Price Per Pound	0	£.00			
100103 177237405	Dmoked Turkey Western Drand	Trice Per Pound	٥	c.00			
100104 1457755466	6 Oven Baked Turkey Western Srand	Frice Per Found	٥	6.00			
100105 1334988333	3 Oves Baked Chickes Breast Western Brand	Price Per Pound	0	6.00			
100106 1542228471	78 Smoled Chicken Breast Western Brand Rickory Smoked	Price Per Pound	ů	c.00			

#### Chapter 5: Scales and Reports Reports

### **Commodity Rack**

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

MT-SmartX		- C - X -
Elle Batch Event Becord Communication	Yew Help	
💐 🖹 🗑 🖗 🌛 🥬 💥 🗇 🖒 🗶 📓	气 ぶ 胎 史   浩 氏   H < → H 図   膠 🖽 🔢 😵 🔛	
Administration     Age Data Management     Age Option	Commodity Rack Report	
8. € Sore 6. Degerment 7. Construction 7. Construction 8. Proceedings 9. Construction 9. Construction	Beind Department(s)         Control         State         State         Charty         Charty         Band         State         Charty         Band         Band         Charty         Band         Band         Charty         Band         Charty         Band         Control         Contro         Control <th></th>	
Ready	Admin	Day(s) Remaining = 353
	Connelly Task write same	

			· · · · · · · · · · · · · · · · · · ·
			Commodity Rack For Department: 0
910#	DESCRIPTION	80.04	DESCRIPTION
00100	Western Snoked Ham Thin Sliced	000101	Western Schey Han
000102	Nestern Colky Chaese Thin Sliced	000103	Smoked Turkey Vertern Brand
000104	Oven Baked Turkey Western Brand	000105	öven Bakes Ghicken Bzeast Western Btand
000106	Smoked Chicken Breast Western Brand Hickory Smoked	000107	Roast Beef Western Brand
000108	Cooked Ham Nestern Brand	000109	Jazbegun Reef Wertern Brand
000110	Pulled Pork Western Brazd	000111	Colby Jack Cheese

### **Commodity Rack Report**

### **Price Book**



				Price Dosk		METTUR ROLIDO
	Price Book for Department: Deli Some: Base Some					
910	Iten	Description	Plu Type	Nodifier	Frice	
000100	14424556	Western Enoked Ham This Sliced	Drice Per Dound	0	4.92	
000101	144554767	Western Honey San	Price Per Pound	0	4.69	
000102	122774809	Western Colby Cheese Thin Sliced	Price Per Pound	0	5.99	
000103	177237405	Smoked Turkey Western Drand	Price Per Pound	0	4.92	
000104	1457788466	Oven Baked Turkey Western Brand	Price Per Pound	0	5.19	
000105	1314988333	Oven Saked Chicken Breast	Price Per Pound	ó	4.89	

### **On Sale Price Book**



		Ordam Prop Book			MITTER TOUDO
PLU Isen	Description	Plu Type	Modifier	Price	
000100 14424556	Western Shoked Ham Thin Sliced	Price Per Point	Ŷ	0.00	
000101 144554767	Western Honey Ean	Frice Fer Found	¢	0.00	
000102 122774809	Western Colby Cheese Thin Sliced	Price Per Pound	٥	0.00	
000103 177237485	Smoked Turkey Western Brand	Frice Fer Found	Ó	C.00	
000104 1457788466	Oven Baked Turkey Western Brand	Price Per Point	0	0.00	
000105 1334968333	Oven Baked Chicken Breast Western Brand	Frice Fer Found	0	C.00	
000106 15422284778	Smoked Chicken Breast Western Brand Hickory Smoked	Price Per Pound	¢	0.00	
000107 13377449987	Roapt Beef Western Brand	Frice Fer Point	0	6.60	

### Master













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.

### DEFINITIONS

- 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.
- "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.

#### **ALLOWED USES**

This license permits you to:

- 1. Operate the Software on one (1) computer at a time.
- 2. Install the Software on a hard disk storage device, as described in the User Guide.
- Transfer the Software from one computer to another using the supplied install and uninstall procedures described in the User Guide.
- 4. Copy the software, provided the copies are used for backup purposes only and are kept in your possession.

This license agreement allows you to use the Software and the Related Materials; however, METTLER TOLEDO retains title to all of the Software and Related Materials. You also agree to take precautions against the unauthorized use, reproduction, publication, or distribution of the Software and Related Materials.

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- 4. Alter the Software or attempt to bypass or unlock the copy protection key.
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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.

The Company warrants that the software developed by the Company will perform substantially the functions described in the documentation. The warranty period shall be the same as the warranty period for the equipment with which the software is supplied. If the software is supplied as media only, the warranty period shall be ninety (90) days from the date of purchase. The Company does not warrant that the Software is error free or that the Buyer will be able to operate the Software without interruption. The Buyer's sole and exclusive remedy and the entire liability of the Company will be to supply repaired software or replacement software to the Buyer. This limited warranty extends only to the original purchaser. The Company does not warrant that the Software or any system or network on which the Software is used will be free of vulnerability to intrusion or attack. This warranty shall not apply to failures in functionality that result from unauthorized modification or Buyer supplied-software or interfacing. This warranty does not apply if the Software is licensed for beta, evaluation, or field test use.

The foregoing warranty shall not apply to defects resulting from unauthorized modification.

#### **Disclaimer of Damages**

In no event shall the company be liable for any type of special, consequential, incidental or penal damages, whether such damages arise out of, or are a result of breach of contract, warranty, tort (including negligence), strict liability, or otherwise. Such damages shall include but not be limited to loss of profits or revenues, loss of data, loss of use of the software, loss of use of the equipment or associated equipment, cost of substitute equipment, facilities, down time costs, increased construction costs, or claims of buyer's customers or contractors for such damages.

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.



For your notes

# 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:				
	<ol> <li>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.</li> </ol>				
	2. Consult the <b>Installation</b> 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.

Organize 🔹 💽 Open	Burn			10 •	-	1
🚖 Favorites	Name	Date modified	Туре	Size		
Desktop	2 Component Services	7/14/2009 12:45 AM	Shortcut	2 KB		
Downloads	🛃 Computer Management	7/14/2009 12:41 AM	Shortcut	2.KB		
Secent Places	Data Sources (ODBC)	7/14/2009 12:41 AM	Shortcut	2 KB		
Je Product	Event Viewer	7/14/2009 12:42 AM	Shortcut	2 KB		
📕 Images	🙈 iSCSI Initiator	7/14/2009 12:41 AM	Shortcut	2 KB		
Brochures	🗟 Local Security Policy	4/16/2010 7:03 AM	Shortcut	2 KB		
👗 MISC 👘	Microsoft .NET Framework 1.1 Configura	6/29/2011 10:38 AM	Shortcut	2 KB		
	Microsoft .NET Framework 1.1 Wizards	6/29/2011 10:38 AM	Shortcut	2 KB		
💢 Libraries	Performance Monitor	7/14/2009 12:41 AM	Shortcut	2 KB		
Documents	Print Management	4/16/2010 7:03 AM	Shortcut	2 KB		
J Music	R Services	7/14/2009 12:41 AM	Shortcut	2.KB		
Pictures	System Configuration	7/14/2009 12:41 AM	Shortcut	2 KB		
Videos	R Task Scheduler	7/14/2009 12:42 AM	Shortcut	2 KB		
	P Windows Firewall with Advanced Security	7/14/2009 12-41 AM	Shortcut	2 KB		
Computer	Windows Memory Diagnostic	7/14/2009 12:41 AM	Shortcut	2.KB		
Local Disk (C:)	3 Windows PowerShell Modules	7/14/2009 12:52 AM	Shortcut	3 KB		
DoneTouch4 Plus						
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Locate the line SQL anywhere – SmartX\_SERVICE and click to select the service. Click on "Stop" to stop the service.

Charles Breed												
a services (cocal)	Services (Local)											
	SQL Anywhere - SmartX_SERVICE	Name	Description	Status	Startup Type	LogO						
		G Server	Supports fil	Started	Automatic	Local :						
	Stop the service	Shell Hardware Detection	Provides no	Started	Automatic	Local:						
	the senace	C. Smart Card	Manages ac	Started	Automatic	Local :						
		C Smart Card Removal Policy	Allows the s		Manual	Local :						
		C, SNMP Trap	Receives tra		Manual	Local :						
		G Software Protection	Enables the		Automatic (D	Netwo						
		C SPP Notification Service	Provides So		Manual	Local:						
		G SQL Anywhere - SmartX_SERVICE -		Started	Automatic	Local						
		SSDP Discovery	Discovers n	Started	Manual	Local:						
		🔍 Storage Service	Enforces gr		Manuel	Local :						
		😪 Superfetch	Maintains a	Started	Automatic	Locel :						
		C Symantec Endpoint Protection	Provides vir	Started	Automatic	Local :						
		Symantec Event Manager	Event propa	Started	Automatic	Local:						
		Symantec Management Client	Provides co	Started	Automatic	Local *						
		Symantec Network Access Control	Checks that		Disabled	Local :						
		🔍 Symantec Settings Manager	Settings sto	Started	Automatic	Local						
		Q System Event Notification Service	Monitors sy	Started	Automatic	Local						
		Canal Tablet PC Input Service	Enables Tab		Manual	Local						
		🔍 Task Scheduler	Enables a us	Started	Automatic	Local:						
		CP/IP NetBIOS Helper	Provides su	Started	Automatic	Local:						
		C Telephony	Provides Tel	Started	Menual	Netwo						
		🔓 Themes	Provides us	Started	Automatic	Local:						
		C. Thread Ordering Server	Provides or		Manual	Local :						
		Anna a l	a									

Click "Yes" to stop the EULA Service.

Stop Oth	ner Services	x				
	When SQL Anywhere - $SmartX_SERVICE$ stops, these other services will also stop.					
	EUA Service					
Do you want to stop these services?						
	Yes <u>N</u> o					

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	Туре	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 X =Price Only Change Y = Delete Record 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)	Туре	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)	Туре	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)	Туре	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)	Туре	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)	Туре	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)	Туре	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)	Туре	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)	Туре	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)	Туре	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	O=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)	Туре	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 $^{\prime }\%$ $^{\prime }$
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)	Туре	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	spare 1	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)	Туре	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)	Туре	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 <br="" allornothingcommitflag="1" name="batch001" responsetracelevel="9">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"&gt; - <itemtransaction operation="UpdateElement"> - <itemtransaction operation="UpdateElement"> - <itemtransaction operation="UpdateElement"> - <item></item></itemtransaction></itemtransaction></itemtransaction></batch>
<plu>4011</plu> <departmentid>0</departmentid> <description language="eng">Pommes Fuji Organic, Local</description> <alternativeitemid type="GTIN">12345678901234</alternativeitemid> <dates forceentry="1" name="BestBefore" unitofoffset="day">15</dates> <dates name="SelIBy">2</dates>
<itemprice <br="" currency="USD" quantity="0" valuetypecode="BasePrice">PLUType="PricePerPound"&gt;1.00</itemprice> 
<pre><id>140500</id> </pre>
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. 

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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