






A horizontal row of various colored squares (red, blue, white) and rectangles, some overlapping, positioned above a grey horizontal line.

ScanMaster

The ScanMaster logo, consisting of a grid of blue dots arranged in a cross shape, with the word 'ScanMaster' in a serif font centered over it.

-  *Release Notes and What's New*
-  *ScanMaster 2.4.1*
- 
- 
- 

ScanMaster V2 Release Notes and What's New

Date of Issue	Product Identification		Brief Description
	Number	Part Number	
March 2005	45001/082	89000197	2.1.2 Release
February 2006	45001/082	89000275	2.3.0 Release
June 2006	45001/082	89000304	2.3.1 Release Prelim
August 2006	45001/082	89000317	2.3.1 Release Final
January 2007	45001/082	89000339	2.4.0 Release
March 2007	45001/082	89000376	2.4.1 Release

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Introduction

Several new features and enhancements were made recently to the ScanMaster system as a result of customer change requests. These changes are reflected in the accompanying 2.04.01-050 software.

These improvements are explained in detail in the following pages and are included in your ScanMaster 2.04 User Guide or Installation & Support Guide. If you have any questions regarding this release, please contact StoreNext Support.

Dependencies

ScanMaster Release 2.04.01-050 requires MTXEPS WinEPS Version 820 or higher and UScan version 39.

IMPORTANT NOTE REGARDING THE 2.04.01-050 RELEASE.

ALL POS terminals will need to upgrade their OPOS to be compatible with the 2.04.01-050 release. Please see the accompanying documentation (ScanMaster 2.04.01-050 Installation and Upgrade Notes.pdf) regarding upgrade procedures.

Support of the TeamPOS 3000

ScanMaster now supports the Fujitsu TeamPOS 3000 XE and XL models. Please see the accompanying installation documentation (ScanMaster 2.04.01-050 Installation and Upgrade Notes.pdf) regarding installation of these units.

Expanded Discover Card Support

ScanMaster now supports Discover Cards with account numbers starting with a leading “9” in addition to previously supported discover card account numbers starting with a leading “6”.

Note:

Discover Financial Services LLC and China Union Pay (CUP) have established a strategic alliance and reciprocity agreement. As a result, additional IIN ranges from CUP have been added.

The supported card number ranges are as follows:

- 94007800 - 94007899
- 95555400 - 95555999
- 95559000 - 95559399
- 95599800 - 95599899
- 96880000 - 96880599
- 98430200 - 98430399
- 99880100 - 99880299

Unattended End-of-Day Processing

ScanMaster End-of-Day Processing may now be scheduled to execute automatically at a designated time of day. Each day of the week may be enabled for automated EOD along with a unique start time for that day. All ScanMaster prompts, dialog boxes, and error messages are suppressed for an automatic EOD. The active cashier list and suspended sales do not display (even if configured to do so).

If a manual EOD is executed before the scheduled automatic EOD, the automatic EOD will be skipped. A manual EOD will display all of the prompts that previously appeared with ScanMaster End-of-Day Processing.

New Tray Application

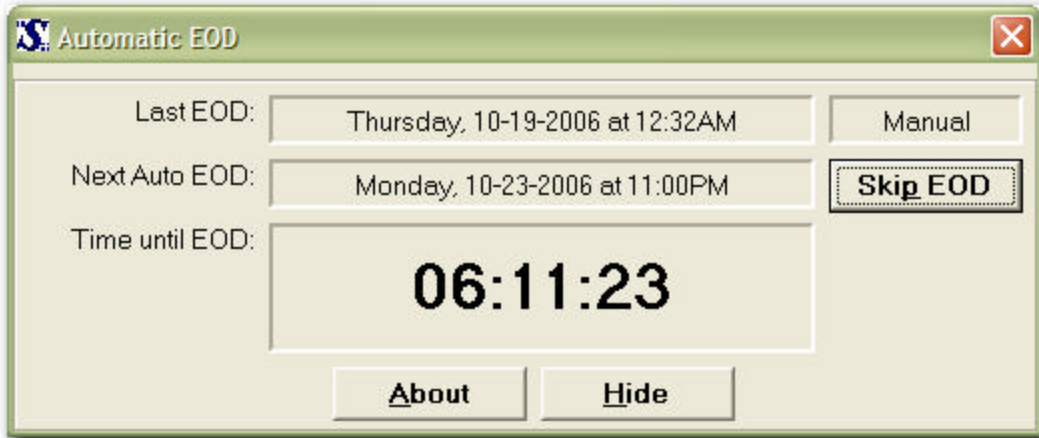
As part of this enhancement, a new “EOD” application icon appears in the desktop tray.



The icon will appear in “green” text if the tray application is running. The icon will appear in “red” text if the automatic EOD schedule has not been setup using the “End of Day Procedure” button on the Main Menu or if all of the upcoming days are skipped. And finally, the icon will appear in “Yellow” when EOD is processing or when the tray application is starting.

When selected, a dialog box displays:

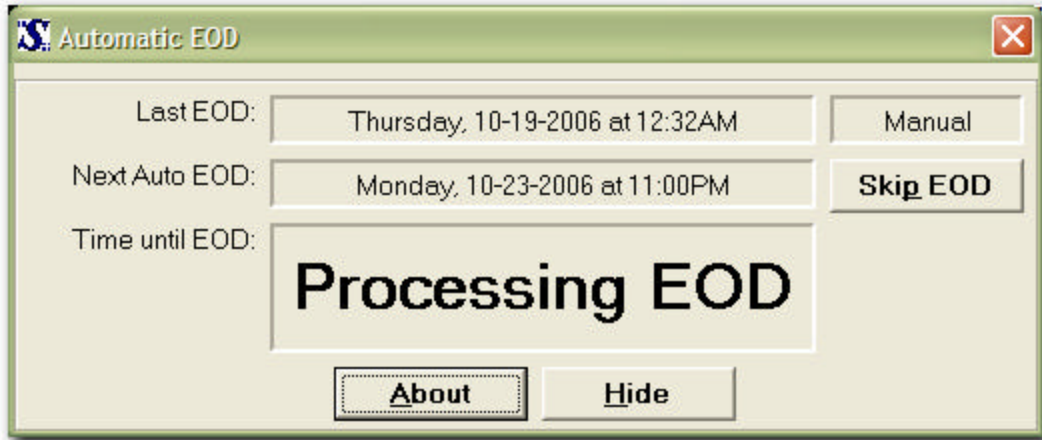
- The date and time the last EOD took place
- The type of the last EOD (automatic or manual)
- The date and time the next automatic EOD is scheduled to take place
- The time remaining until the auto EOD process is started
- A “Skip EOD” button that disables the automatic processing for the next scheduled automatic EOD



If the automatic EOD schedule has not been setup using the “End of Day Procedure” button on the Main Menu or if all of the upcoming days are skipped the dialog box will display “No active scheduled days” in the **Next Auto EOD** field and the text “Suspended” in the **Time until EOD** field:



The **Time until EOD** field will display “Processing EOD” while End-of-Day Processing is running.

**Note:**

The Automatic EOD does not automatically restart if the EOD process is aborted (by performing an End Task or selecting the Exit button on the EOD screen while it is running). A restart or a reprocess must be started manually.

The tray application will execute on all back office workstations (including the server), but will only initiate the EOD process on the workstation that has the Back Office Setting "This PC Does the End-of-Day" set to "Yes". The other workstations will be able to see when the automatic EOD is scheduled and allow them to skip the EOD.

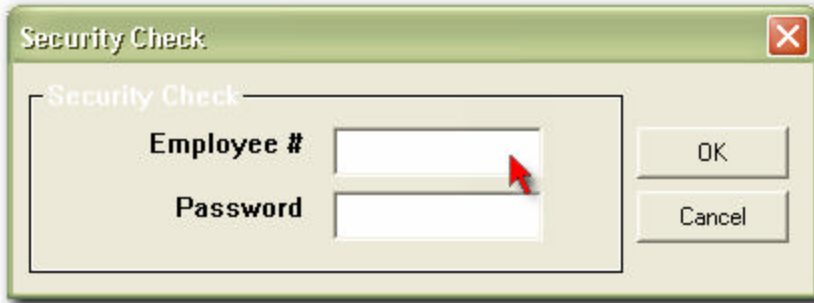
When the countdown timer recognizes there are 5 minutes or less, it forces the tray application dialog box to appear on top of all other applications. If the application is hidden, it will be returned to on top until the EOD processing starts or the upcoming automatic start is skipped.

Note:

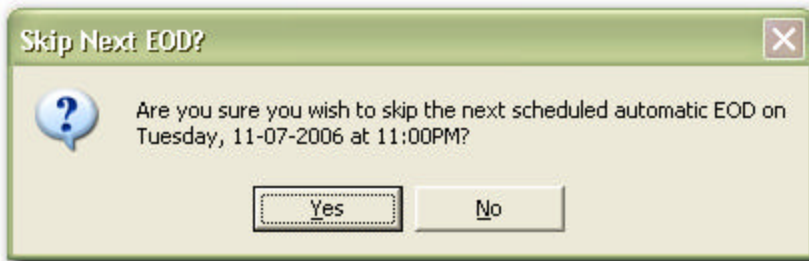
If the automatic EOD schedule has not be setup, the tray application will not use the default settings and the message "Processing disabled. Automatic EOD Schedule not setup" will display.

Skipping EOD Processing

Press the "Skip EOD" button (or press ALT-P) from the Automatic EOD Tray Application to skip the next automatic EOD. A security check dialog box is displayed:



The user must enter an employee number and password authorized to access the EOD functions. If authorized, the user is prompted with a confirmation message along with the date and time of the EOD attempted to be skipped. Press the "Yes" button to confirm the skip.



If the user is not authorized, the user is returned to the Automatic EOD Tray Application displaying the unchanged Next Auto EOD date and time.

Automatic EOD Scheduler

When automatic EOD is enabled (see New Back Office Setting on page 13), the "End of Day Procedure" button on the ScanMaster Main Menu will display the Automatic EOD Schedule screen that will allow the user to configure the automatic EOD schedule. The user is also able to manually start the EOD if the workstation is configured to initiate the EOD.

The screenshot shows the 'Automatic EOD Schedule' window. It features a grid with columns for each day of the week (Monday through Sunday). Each column contains three elements: a checked 'Enabled' checkbox, a time field (e.g., '11:00PM' for Monday, '12:50PM' for Wednesday), and an unchecked 'Skipped' checkbox. Below the grid are two buttons: 'Save Schedule' and 'Exit'. A second section titled 'Manual EOD' contains two text boxes: 'Last EOD occurred: Thursday, 10-19-2006 at 12:32AM (Manual)' and 'Next Automatic EOD Scheduled: Monday, 10-23-2006 at 11:00PM'. A 'Start EOD' button is located below these text boxes.

Field Descriptions

Below are field descriptions for the Automatic EOD Schedule window.

Enabled: Check this box for each day to execute an automated EOD. Uncheck for each day to manually initiate the EOD or skip the EOD altogether.

Time: Enter the time in the hh:mm (AM/PM) format. If a military time is used (i.e. 23:00), the AM/PM setting will be made automatically.

Skipped: Check this box for each day to skip the automated EOD. The check will be automatically made if the user has selected the “Skip EOD” button using the tray application. After the scheduled time for the automatic EOD has past, the “Skipped” flag will be reset.

Last EOD Occurred: (Read Only) The date and time the last EOD occurred and the type of execution (Manual or Automatic).

Next Automatic EOD Scheduled: (Read Only) The date and time the next Automatic EOD is scheduled to execute (adjusting for skipped EODs).

Button Options

Below are the button options for the Automatic EOD Schedule window.

Save Schedule: Click on this button (or press Alt-S) to save the changes to the Automatic EOD Scheduler.

Exit: Click on this button (or press Alt-X) to abort any changes and exit the Automatic EOD Scheduler.

Start EOD: Click on this button (or press Alt-E) to manually execute the EOD.

AUTOEOD Log File

The new automatic EOD log file (AUTOEOD.LOG) located in the <LAN Drive>:\GROCERY\FILES\LOG folder will log the following actions related to the automatic EOD including:

- Enabling/Disabling the Automatic EOD function in the System Configuration
- Setting or changing the automatic start times for each day of the week
- Selecting to skip or un-skip an automatic EOD
- Execution of a manual EOD

This log will contain:

- The date/time of the action
- The application doing the action
- The workstation name of the application being executed
- Description of the action

Note:

If the automated EOD sees that a manual EOD has been executed at the time an automated EOD is scheduled to start, an entry will be made in the AUTOEOD.LOG file and the automated EOD will abort.

The AUTOEOD.LOG will be cleaned nightly by the EOD archive application so that the log will not become overly large. The archive application will remove any entry from the log that is older than the Back Office Setting “Days Historical Data to Save” (Global/Store Tab). Prior to cleaning the log it will be added to the nightly history ZIP file located in the <LAN Drive>:\HISTORY folder.

Note:

The Automatic EOD will only be able to proceed if the previous day’s office reconciliation and final deposit have been made. If not, the end of day will abort and log entries in both the ERROR.LOG and the AUTOEOD.LOG files.

Modified Login Screen

After the new Back Office Setting “Enable Automatic EOD” is set to “Yes” the words “manually” and “automatically” appear on the ScanMaster Login Screen to display whether the last EOD was a manual or automatic.

v2.04.00.02

Customer Name	: Tim's Markets
Street Address	: 301 N. Madison
City, St. Zip	: Warrendale, PA 15086
Customer ID#	: 24242
Help Desk	: CUSTOMER HELP DESK (800)837-8393
Support Desk	: GLOBAL SUPPORT CENTER (800)837-8393
Release Version	: NCR ScanMaster Version 2.04.00

Last End-of-Day run automatically at 11:29 PM on Tuesday 07-30-2006

Login

Employee #	<input type="text"/>
Password	<input type="text"/>

Retrieve Version: 9.50 (32 bit)

- ELECTRONIC JOURNAL PROCESSOR IS RUNNING -

Last activity of EJ on 10-12-2006 at 11:54:10 AM
0 transactions yet to process.

Free on Local Drive = 36.94GB Free on Lan Drive = 36.94GB

End of Day Pending on Registers: 1, 2, 3, 4, 5

New Back Office Setting

The following new Back Office Setting is found in the System Configuration Editor.

Note:

Back Office Settings are changed using the fields listed under the column headed by the computer's name within the Global/Store and BackOffice Tabs.

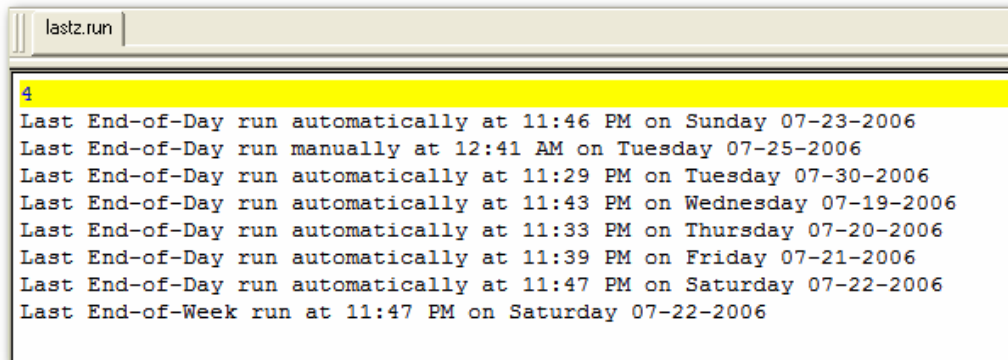
Enable Automatic EOD - This field requires a Yes or No. Set this field to "Yes" to automatically launch the EOD tray application on all workstations the next time ScanMaster login is executed. If this option is set to "Yes", only one workstation can have the "This PC Does the End-of-Day" set to "Yes" in the BackOffice tab. The default setting is "No".

Notes:

When attempting to set the "Enable Automatic EOD" (Global/Store Tab) setting to "Yes", if more than one workstation has the "This PC Processes Tlogs" setting (BackOffice Tab) set to "Yes", an error message will be generated stating that the Automatic EOD cannot be enabled until only one workstation has the "This PC Does the End-of-Day" option set to "Yes". The BackOffice Tab setting "This PC Processes Tlogs" must also be set to "Yes" on the workstation that does the EOD (or the financial reports will be incorrect).

LASTZ.RUN File Change

The LASTZ.RUN file located in the <LAN Drive>\GROCERY directory will be updated to include the words "manually" or "automatically" if the Back Office Setting "Enable Automatic EOD" is set to "Yes".



```
lastz.run
4
Last End-of-Day run automatically at 11:46 PM on Sunday 07-23-2006
Last End-of-Day run manually at 12:41 AM on Tuesday 07-25-2006
Last End-of-Day run automatically at 11:29 PM on Tuesday 07-30-2006
Last End-of-Day run automatically at 11:43 PM on Wednesday 07-19-2006
Last End-of-Day run automatically at 11:33 PM on Thursday 07-20-2006
Last End-of-Day run automatically at 11:39 PM on Friday 07-21-2006
Last End-of-Day run automatically at 11:47 PM on Saturday 07-22-2006
Last End-of-Week run at 11:47 PM on Saturday 07-22-2006
```

Note:

Any time the EOD process is started, whether it encounters an error or not, an entry is made in the LASTZ.RUN file. This file does not contain information as to whether or not the EOD completed successfully or not. Only the date/time and method the EOD was started are included.

ESL Interface Enhancements

ScanMaster's generic electronic shelf label (ESL) interface is now designed to output promotion maintenance (and optionally a full item export) to the ESL Btrieve file (GR2ESL.BTR) file.

Using the ESL Service, the following ScanMaster applications generate promotion data for the ESL Btrieve file:

- Item Maintenance
- Batch Apply Application
- Electronic Promotion Maintenance
- Electronic Coupon Activation
- RPO Maintenance
- SIL Processor
- FM Item Maintenance
- FM Shelf Audit

Note:

Promotion Maintenance includes any item level change to electronic promotions using the UPC, Report Code, Mix & Match and Promotion Code keys. Promotions are also included if the frequent shopper level is 0 or 1.

ESL Service Monitor Overview and Changes

The ESL Service Monitor Tray Application monitors the status of the ESL service.

Note:

The Back Office Setting "Enable Generic ESL Interface" must be set to "Yes" for the ESL Service Monitor icon to appear in the tray .



- It reports the last time it had received a heartbeat from the ESL Service (every 10 seconds the heartbeat is updated). If longer than 5 minutes then the ESL status will go Red indicating an error condition.
- It reports the last time it processed an item change as well as now a promotion change.
- It reports the number of records pending processing.
- Provides a new “Force Full Item Export” button to force a full item export at any time.

Unit of Measure Editor Change

The Unit of Measure Editor now contains a Group field that displays and defines compatible units of measure. The Group Number is used to group like-kind measures such as Dry Ounce, Pound, Kilogram, etc. When a **Unit Measure** is selected within the ScanMaster Item Maintenance Screen’s Labels Tab, like-kind measures can only be selected in the **Compare Measure** field dropdown box (see below).

Tag IDs of between 1 and 999 are “fixed” with defined groups that cannot be changed.

Fixed Unit of Measure (1-999) - Not Modifiable

Tag ID: 0001 Group: 03 - COUNT

Tag: EACH

Exit Save <<Previous Next>> Delete Print List About

User-defined Tag IDs of 1000 and greater may now be created and assigned to the desired unit of measure group.

User Defined Unit of Measure (1000+) - Modifiable

Tag ID: 1000 Group: 03 - COUNT

Tag: TEST USER DEFINED

Exit Save <<Previous Next>> Delete Print List About

Item Maintenance Comparative Measure Fields

The Item Maintenance Screen's Label Tab contains two new fields and two new LED buttons:

WTD Qty/Weight/Amount:	0 / 0.000 / \$0.00	SLP Qty/Weight/Amount:	0 / 0.000 / \$0.00
PTD Qty/Weight/Amount:	0 / 0.000 / \$0.00	Updated :	11/09/2006 at 12:06 pm
		Record count:	42111

Current UPC #	0000000000000000086		Status Flags	
Description	TIDE LIQ/POWDER		<input type="checkbox"/> Foodstamp	<input type="checkbox"/> Discount 1
Department	01	DL GROCERY	<input type="checkbox"/> W.I.C.	<input type="checkbox"/> Discount 2
Subdepartment		SL NOT USED	<input type="checkbox"/> Tax 1	<input type="checkbox"/> Discount 4
			<input type="checkbox"/> Tax 2	<input type="checkbox"/> Discount 5
			<input type="checkbox"/> Tax 3	<input type="checkbox"/> Free Item
			<input type="checkbox"/> Visual Verify	<input type="checkbox"/> Restrict Sales
			<input type="checkbox"/> No Coupon	<input type="checkbox"/> No Cpn Multiple
			<input type="checkbox"/> Exclude Min Pur	

General	Enhanced	Labels	
Label Information			
Vendor #	YG10223	Pack/Size	0001
Item #	6511211	Tag Stock Number	112
		Aisle #	A3
		Tag Quantity	005
Unit Size	064.000		
Unit Size Desc	64 Ozs		
Unit Measure	0041 - LIQUID OUNCE	<input checked="" type="checkbox"/>	Green LED indicates valid Unit of Measure for ESL
Compare Measure	0045 - GALLON	<input checked="" type="checkbox"/>	Red LED indicates invalid Unit of Measure for ESL
Long Desc	TIDE 100OZ LIQ OR 81-87OZ POWD		
		Compare Factor	128

Batch Items	Delete	Lock Tab	Price Mode
Exit	Save	<< Previous	Next >>
		Abgrt	About

Compare Measure: Click the field selection arrow and choose the Compare Unit of Measure (within the same Unit of Measure Group as the Unit Measure field) to be used for comparative price label printing.

Compare Factor: (Read Only) This field contains the compare factor used for the selected Compare Measure field.

The LED indicators will show if the selected Unit of Measure and Compare Measure are compatible with the ESL export. Only some of the measures are usable by ESL and will show in green. If the user selects an incompatible measure, the ESL export will still generate but comparative data will not be available for the label.

MobileLime Loyalty Support

The ScanMaster POS has a new key option for capturing a customer's 10-digit cell phone number and sending it to the MobileLime Host for verification of Customer Loyalty Membership. If the response comes back approved, the POS will issue frequent shopper transaction discounts according to the frequent shopper level assigned within a new POS Workstation Setting.

Notes:

A store may run the MobileLime system as their only Frequent Shopper System or in conjunction with the native ScanMaster Frequent Shopper program. MobileLime is a HASP-secured ScanMaster POS feature.

New POS Workstation Settings

To support the WinEPS/OpenEPS interface, the following new POS Workstation Settings are implemented in this release. (The ScanMaster System Configuration Editor Tab where the setting is located is listed in brackets.)

Enable MobileLime FS Interface [Promotions]

This field requires a Yes or No. If you set this field to "Yes," the POS will enable prompting for and communication to the MobileLime system. If set to "No", MobileLime functionality is disabled.

Prompt for ML# at New Sale [Promotions]

This field requires a Yes or No. If you set this field to "Yes," the cashier will be prompted for the MobileLime number automatically when a sale is started (on a non-DynaKey installation). If set to "No", the prompt at new sale is skipped.

Note:

On a DynaKey (or DynaKey-style installation such as Touch Screen) this setting is not used since the existing POS Workstation Setting, "Prmpt for Frq Sh # at New Sale" may be used with MobileLime appearing as an Alternate Lookup Option.

MobileLime Merchant ID [Promotions]

Ten (10) digit numeric field. Enter the number assigned to the store by MobileLime to identify the merchant to the MobileLime server. This will be sent to MobileLime as part of the "Terminal ID".

MobileLime Comm Test Timeout [Promotions]

Two (2) digit numeric field. Enter the number (in seconds) to wait while preemptively testing internet connectivity to MobileLime before assuming the host is unavailable. The default "0" equals 5 seconds.

MobileLime Cust Use FS Level [Promotions]

One (1) digit numeric field. Enter the Frequent Shopper level that ScanMaster POS will assign any MobileLime eligible customer. The default "0" will be considered Level 1.

Note:

The existing POS Workstation Settings "Enable Enhanced Electronic Cpn" (Promotion Tab) and "Enable Enhanced Frq Shp Prgm" (Promotion Tab) must both be set to "Yes" if MobileLime features are to be used.

MobileLime New Sale Prompt

On non-Dynakey POS Workstations, if the new POS Workstations Settings "Prompt for ML# at New Sale" and "Enable MobileLime FS Interface" are both set to "Yes", the following prompt will appear at the beginning of a new sale:

The screenshot shows the ScanMaster POS interface during a new sale. At the top, it displays 'Reg: 03', 'Trn: 03023471', '11/10/06', and '8:32:10 AM'. Below this, there is a prompt 'ENTER MOBILELIME #' with a blue input field. The main display area shows 'NEW SALE'. At the bottom, there is a summary of sales totals:


FS Total:	\$0.00	Cpn Total:	\$0.00
# of items :	0	Tax Total:	\$0.00
TOTAL :		\$0.00	

At the bottom left, it says 'ScanMaster V2.04.00.12' and at the bottom right, it says 'Cashier: FRANK'.

Alternate Lookup Option

MobileLime will appear as the fourth alternate lookup option on both Dynakey and non-Dynakey POS Workstations. On Dynakey POS Workstations, use the

alternate lookup key to enter a 10-digit number for MobileLime at the beginning of the sale. For either workstation, use the Alternate Lookup routine to enter the 10-digit number for MobileLime in the middle of a transaction.

Req:03 Trn:03023478 11/10/06 9:13:53 AM		PHONE NUMBER 													
 		DRIVERS LICENSE 													
ENTER SMART SHOPPER#		USER DEFINED# 													
		MOBILELIME NUMBER 													
NEW SALE															
<table border="0" style="width: 100%;"> <tr> <td>FS Total:</td> <td>\$0.00</td> <td>Cpn Total:</td> <td>\$0.00</td> </tr> <tr> <td># of items :</td> <td>0</td> <td>Tax Total:</td> <td>\$0.00</td> </tr> <tr> <td colspan="2">TOTAL:</td> <td colspan="2">\$0.00</td> </tr> </table>				FS Total:	\$0.00	Cpn Total:	\$0.00	# of items :	0	Tax Total:	\$0.00	TOTAL:		\$0.00	
FS Total:	\$0.00	Cpn Total:	\$0.00												
# of items :	0	Tax Total:	\$0.00												
TOTAL:		\$0.00													
ScanMaster V2.04.00.12		Cashier: FRANK													

PBT Loyalty Interface

Using the MTXEPS OpenEPS Interface, ScanMaster now supports PBT (Pay-By-Touch) biometric finger scanning as a means to enter a Frequent Shopper number into a transaction.

At the ScanMaster POS, when the account number key or the total key is pressed in a transaction where there is no previously captured customer number, ScanMaster checks to see if MTXEPS OpenEPS has a customer number available from the PayByTouch thumb print capture. If one is present, POS prompts the cashier if the displayed number should be used in the transaction. If the number is accepted, ScanMaster lookups the number in the customer file and proceeds as if the number was entered locally.

Note:

The number received must coincide with the customer number used in the frequent shopper system the store is using.

If the number is chosen not to be used, ScanMaster continues to prompt for a customer number to be entered via the usual customer capture methods such as scan, key entry or alternate lookup.

Note:

The source of the customer number will be listed in the transaction log file as received from an outside party.

Customer Number Verification Prompt


The prompt below appears on cashier display after MTX OpenEPS has returned a customer number from the PayByTouch thumb print capture:


- When the cashier presses the **Account #** key
- When the cashier press the **Total** key and no Customer Number has been entered
- When the Instore Charge Tender is selected


Note:


The POS does not assume that the same number used for Instore Charges will be used by both the Frequent Shopper and Instore Charge system. A new account number can be entered or the cashier may press enter to accept the returned customer number as in the Instore Charge number.

Req:03 Trn:03023485 11/10/06 3:52:25 PM

PHONE NUMBER 


DRIVERS LICENSE 

USER DEFINED# 

MOBILELIME NUMBER 

ENTER SMART SHOPPER#

CUSTOMER NUMBER RECEIVED!
41234567890

USE THIS NUMBER? (YES / NO) 

NEW SALE

FS Total: \$0.00 Cpn Total: \$0.00
of items : 0 Tax Total: \$0.00

TOTAL: \$0.00

ScanMaster V2.04.00.12 Cashier:FRANK

Customer Verification Prompt

Promotional Media Sequencing

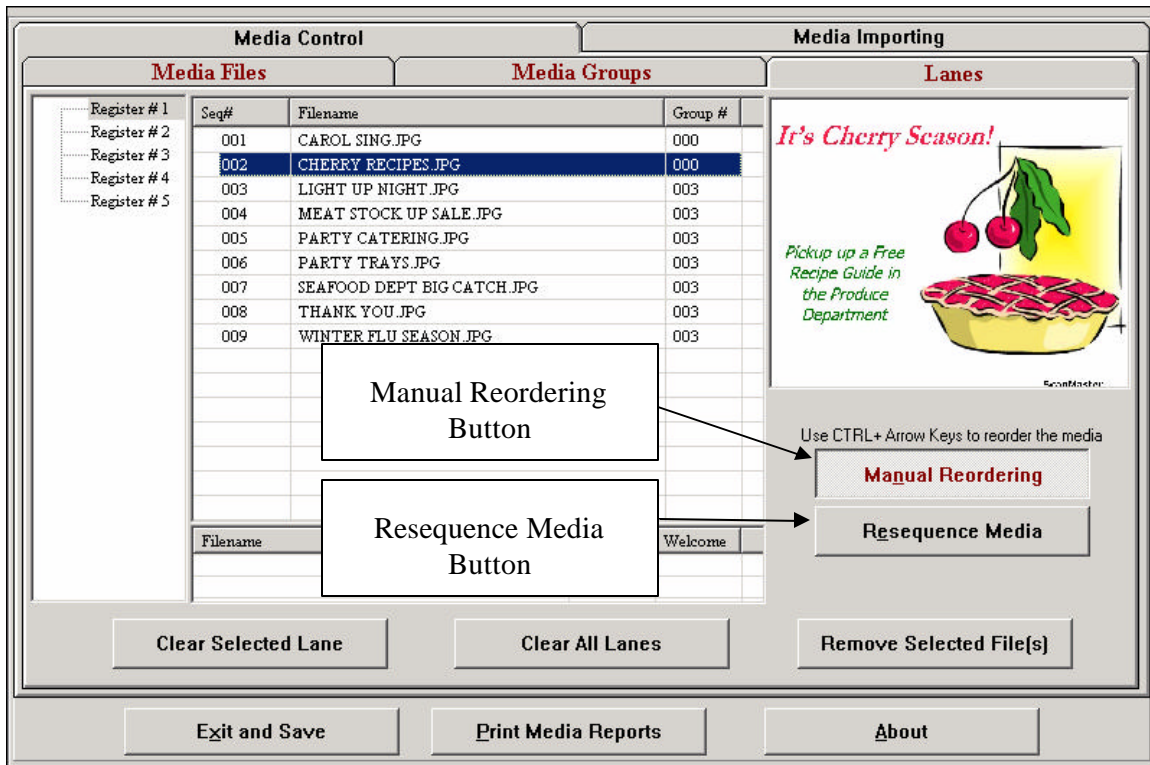
Based on the store's marketing requirements, ScanMaster Promotional Media Maintenance now supports placing promotional media files in a desired play order on a lane by lane basis. In previous releases, media files were played in alphabetical order.

As part of this enhancement, the following changes have also been implemented:

- Media files may now be placed in more than one group.
- New **List Group Media** button on the Media Groups Tab displays the media files assigned to the highlighted group.
- **#Media** column on the Media Groups Tab displays the number of media files assigned to the group.
- New **Remove Selected File(s)** button on the Lanes Tab to remove highlighted media files from the selected lane.
- New Media Reports for:
 - Active Media
 - Media By Group
 - Media By Lane

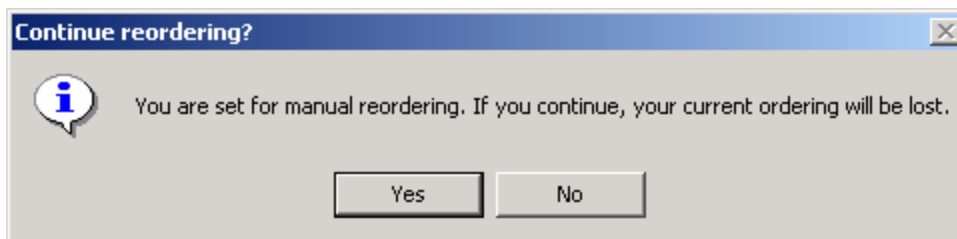
Manual Reordering

The Promotional Media Maintenance Screen's Lanes Tab contains the new Manual Reordering and Resequence Media buttons.



Click the **Register #** in the register tree to modify. By default the **Manual Reordering** button is depressed, enabling the ability to order in which media files are displayed to the customer. To move a file in the list, highlight the filename, hold the Control (**Ctrl**) key down and using the up or down arrow, move the file to its desired location. When finished, the **Seq#** column will display the new play order.

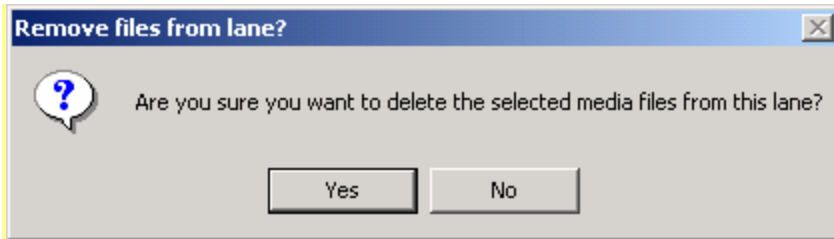
To place the files back in an alphabetical order, click the **Resequence Media** button. The following warning message will appear:



Click **Yes** to continue with the automatic reordering.

Note:

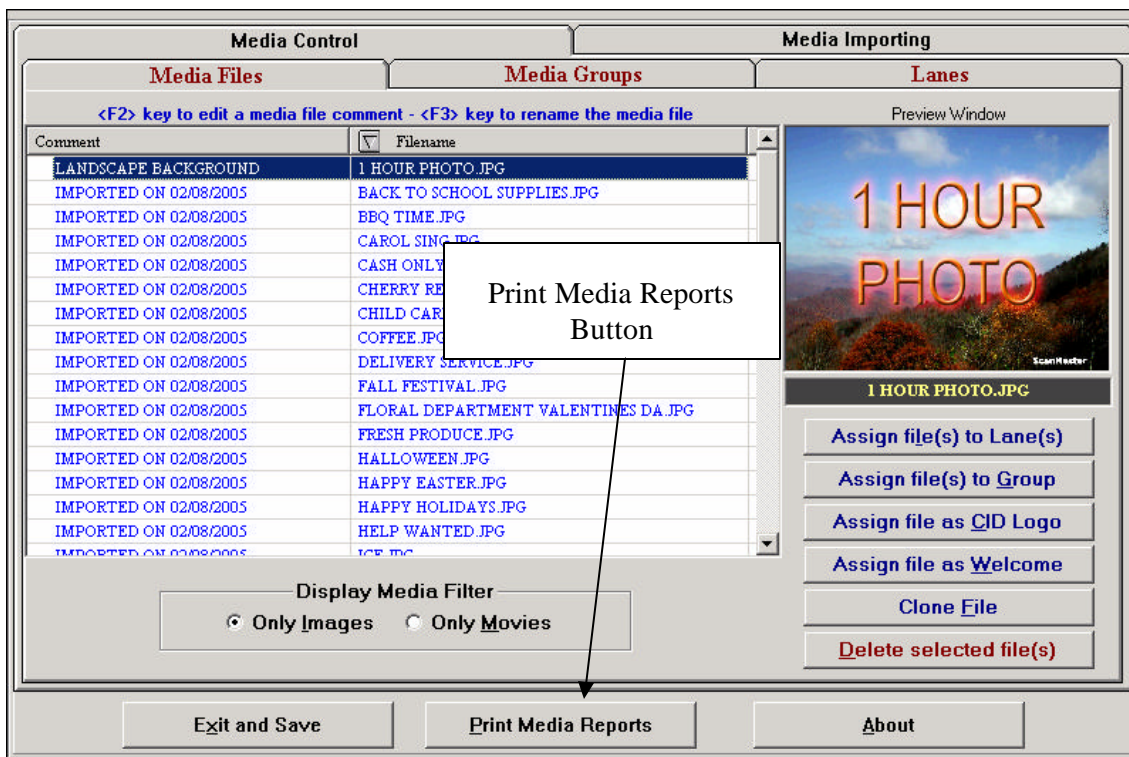
To remove one or more files from the play list, highlight (click) the filenames (by keeping the **Ctrl** key down) and click the Remove Selected File(s) button. A warning message will display:



Click **Yes** to confirm the deletion and the **Seq#** column will display the new play order.

Media Reports

The new **Print Media Reports** button appears at the bottom of the Promotional Media Maintenance Screen:



When pressed, the three report choices are listed:



Highlight the desired report to generate and click the **Print Selected Report** button. The report is displayed to the screen.

Active Media Report

The Active Media Report displays the Media Filename, Description and Media Type for each active file.

ScanMaster Promotional Media Report		
As of 11/16/2006		
Active Media currently in the system		
<u>Media Filename</u>	<u>Description</u>	<u>Media Type</u>
1 HOUR PHOTO.JPG	LANDSCAPE BACKGROUND	Image
BACK TO SCHOOL SUPPLIES.JPG	IMPORTED ON 02/08/2005	Image
BBQ TIME.JPG	IMPORTED ON 02/08/2005	Image
CARDL SING.JPG	IMPORTED ON 02/08/2005	Image
CASH ONLY LANE.JPG	IMPORTED ON 02/08/2005	Image
CHERRY RECIPES.JPG	IMPORTED ON 02/08/2005	Image
CHILD CARE.JPG	IMPORTED ON 02/08/2005	Image
COFFEE.JPG	IMPORTED ON 02/08/2005	Image
DELIVERY SERVICE.JPG	IMPORTED ON 02/08/2005	Image
DODO.MPEG	IMPORTED ON 02/09/2005	Video

Media By Group Report

The Media By Group Report displays the attributes of each Media Group.

ScanMaster Promotional Media Group Report

As of 11/16/2006

Media Group # 3

THANKSGIVING

Start Date : 11/15/2006

End Date : 11/30/2006

Start Time : 12:00 am

End Time : 12:00 am

Show on these days only:

Mon Tue Wed Thu Fri Sat Sun

Media Filename	Comment	Media Type
LIGHT UP NIGHT.JPG	IMPORTED ON 02/08/2005	Image
MEAT STOCK UP SALE.JPG	IMPORTED ON 02/08/2005	Image
PARTY CATERING.JPG	IMPORTED ON 02/08/2005	Image
PARTY TRAYS.JPG	IMPORTED ON 02/08/2005	Image
SEAFOOD DEPT BIG CATCH.JPG	IMPORTED ON 02/08/2005	Image
THANK YOU.JPG	IMPORTED ON 02/08/2005	Image
WE CARD.JPG	IMPORTED ON 02/08/2005	Image
WINTER FLU SEASON.JPG	IMPORTED ON 02/08/2005	Image

of Image Files : 8

of Movie Files :

Total # of Media Files in this Group : 8

Media By Lane Report

The Media By Lane Report lists details of the media being displayed on each lane by display (sequence) order.

ScanMaster Promotional Media Lane Report

As of 11/16/2006

Lane # 1

Media Filename	Comment	CID?	Wel?	Type	Seq #
CAROL SING.JPG	IMPORTED ON 02/08/2005	No	No	Image	1
CHERRY RECIPES.JPG	IMPORTED ON 02/08/2005	No	No	Image	2
LIGHT UP NIGHT.JPG	IMPORTED ON 02/08/2005	No	No	Image	3
MEAT STOCK UP SALE.JPG	IMPORTED ON 02/08/2005	No	No	Image	4
PARTY CATERING.JPG	IMPORTED ON 02/08/2005	No	No	Image	5
PARTY TRAYS.JPG	IMPORTED ON 02/08/2005	No	No	Image	6
SEAFOOD DEPT BIG CATCH.JPG	IMPORTED ON 02/08/2005	No	No	Image	7
THANK YOU.JPG	IMPORTED ON 02/08/2005	No	No	Image	8
WINTER FLU SEASON.JPG	IMPORTED ON 02/08/2005	No	No	Image	9

Total # of Media Files assigned to this Lane: 9

Optional In-Store Account # Masking

ScanMaster now offers the option of not masking the in-store charge number on both receipts and signature slips. This feature facilitates the process of looking up selected transactions by in-store charge account number.

Note:

Since the in-store charge is not a function of the electronic payments interfaces, no security compliancy (i.e. Visa) is risked.

New POS Workstation Setting

Disable Instore Charge Masking [Instore Charge]

This field requires a Yes or No. If you set this field to “Yes,” the existing code which masks the account numbers for Instore Charge account numbers is skipped for both receipts and signature slips.

Configurable Reduced Receipt Length

A new POS Workstation Setting in this release reduces the amount of empty space at the bottom of the customer's receipt to help minimize paper usage.

Historically, the bottom of the printed ScanMaster receipt skips three blank lines before advancing to the knife cut point. The number of additional lines advanced to the knife cut point is dependent on the type of printer used.

- Epson H6000II – 8 lines skipped (11 Total)
- Axhiom A760 – 10 lines skipped (13 Total)
- Other Printers – 13 lines skipped (16 Total)

The number entered in the new POS Workstation Setting will be subtracted from the total number of lines listed above. If the result of the computation is less than 1, a limit of 1 line will be used.

New POS Workstation Setting

Subtract # Lines from End Rcpt [Receipt]

Two (2) digit number field. Enter the number of lines of space to reduce between the last printed line of the receipt and the knife cut.

Note:

This setting affects all receipt and slip printing, including signature slips for electronic payments.

Tax Exempt and FS Tax Exempt Totalizers

The ScanMaster Reconciliation Report (SRR) supports six new totalizers in this release. The following new totalizers are to be used in the memo section of the Store Totals Report:

- 131 - Tax 1 Exempt Sales
- 132 - Tax 2 Exempt Sales
- 133 - Tax 3 Exempt Sales
- 141 - Tax 1 Exempt FS Sales
- 142 - Tax 2 Exempt FS Sales
- 143 - Tax 3 Exempt FS Sales

Totalizer	Description	Account	Attribute	Action	Type
0201	Sales - Tax Rate 1				Imported
0202	Sales - Tax Rate 2				Imported
0203	Sales - Tax Rate 3				Imported
0221	Line Item Discount 1				Imported
0222	Line Item Discount 2				Imported
0223	Line Item Discount 3				Imported
0224	Line Item Discount 4				Imported
0225	Line Item Discount 5				Imported
0120	Instore Chrg + Adj.				Imported
0121	Instore Chrg - Adj.				Imported
0122	Instore Chrg Fin. Charges				Imported
0250	Instore Chrg Balance				Imported
0215	Opening MBST				Imported
		114> Paid Ins at Register			
		120> Instore Chrg + Adj.			
		121> Instore Chrg - Adj.			
		122> Instore Chrg Fin. Charges			
		131> Tax 1 Exempt Sales			
		132> Tax 2 Exempt Sales			
		133> Tax 3 Exempt Sales			
		141> Tax 1 Exempt FS Sales			
		142> Tax 2 Exempt FS Sales			
		143> Tax 3 Exempt FS Sales			
		201> Sales - Tax Rate 1			
		202> Sales - Tax Rate 2			

New Totalizers

Buttons: Edit, Delete, Insert Before, Insert After, OK, Cancel, Exit, About

The values for these totalizers are updated during the final deposit process.

Note:

If these totalizers do not appear in the SRR report and tax exempt sales exists when the deposit attempts to write it to the SRR, an entry will be made in the ERROR.LOG. The entry will state that an update was attempted to the values in the SRR but that the totalizers did not exist.

Fujitsu 92M Keyboard Paidin Key

The “Paidin” key has been added to the ScanMaster Keyboard Configurator for configuring the Fujitsu 92M (92-key) keyboard.

The screenshot displays the ScanMaster Keyboard Configurator interface for the Fujitsu 92M keyboard. The keyboard layout is shown with various function keys. A white box labeled "New Paidin Key" is positioned above the "Paidout" key. Another white box labeled "New Location for the Receipt Feed Key" is positioned at the far right of the keyboard grid. The interface includes a "Fujitsu" logo, a "Register 01" dropdown menu, and buttons for "Exit", "Print", "Save", "Clear All", and "About".

The Paidin Key appears above the Paidout Key. In order to place both keys together, the Coupon Payout key has moved down one location and the Receipt Feed key has been relocated to the far right column.

Force Cashier Logoff Log File

Actions performed using the Force Cashier Logoff function are now written to the new SM2FRLOG.LOG log file (located in the <LAN Drive>:\GROCERY\FILES\LOG folder). The log provides information for diagnosing balancing discrepancies by listing:

- The date/time the action took place
- The employee logged into ScanMaster when the logoff occurred
- The cashier (or lane) that the action affected
- What action was done: “Cashier“ logged off or “Office Status” was reset

The SM2FRLOG.LOG will be cleaned nightly by the EOD archive application (SM2ARC) so it does not become overly large. The archive application will remove any entry that is older than the Back Office Workstation Setting “Days Historical Data to Save”. The log will also be included in the store archive of the day’s work in the \GROCERY\HISTORY folder.

Note:

A till cannot be settled while a cashier is logged onto the POS workstation. The Force Cashier Logoff allows the till to be settled and finalized when the POS workstation is not operational and able to do the logoff. The application marks a till logged off a POS workstation in the server’s database but does not communicate the action to the POS workstation.

When the workstation is returned to operational status and the workstation is reconnected (online) to the server, the workstation’s TLOG will be copied to the server. If the till is settled before this TLOG is written to the server, the consolidated TLOG for that day’s business will not include those transactions, causing a potential balancing problem within ScanMaster. This problem is more pronounced when using Connected Services and other 3rd party TLOG interfaces.

Usage Trail Log File Clearing

The ScanMaster usage trail log file (TRAIL.ASC) is now cleaned nightly by the EOD archive application (SM2ARC) so it does not become overly large. The archive application will remove any entry that is older than the Back Office Workstation Setting “Days Historical Data to Save”.

Note:

All of the ScanMaster menu applications write to the usage trail log (TRAIL.ASC). This log contains the executable name, the date/time the application was started, the employee number, the name of the person currently logged into the ScanMaster workstation and the name of the workstation.

TRAIL.ASC is located in the <LAN Drive>\GROCERY\ folder. During End-of-Day Processing, the “uncleaned” log is copied to TRAIL.OLD and included in the store archive of the day’s work in the \GROCERY\HISTORY folder.

Transaction Data added to Signature Image Printouts

The Electronic Journal signature image printout now includes the following information from the associated transaction to assist in resolving problems with the EFT processor or switch:

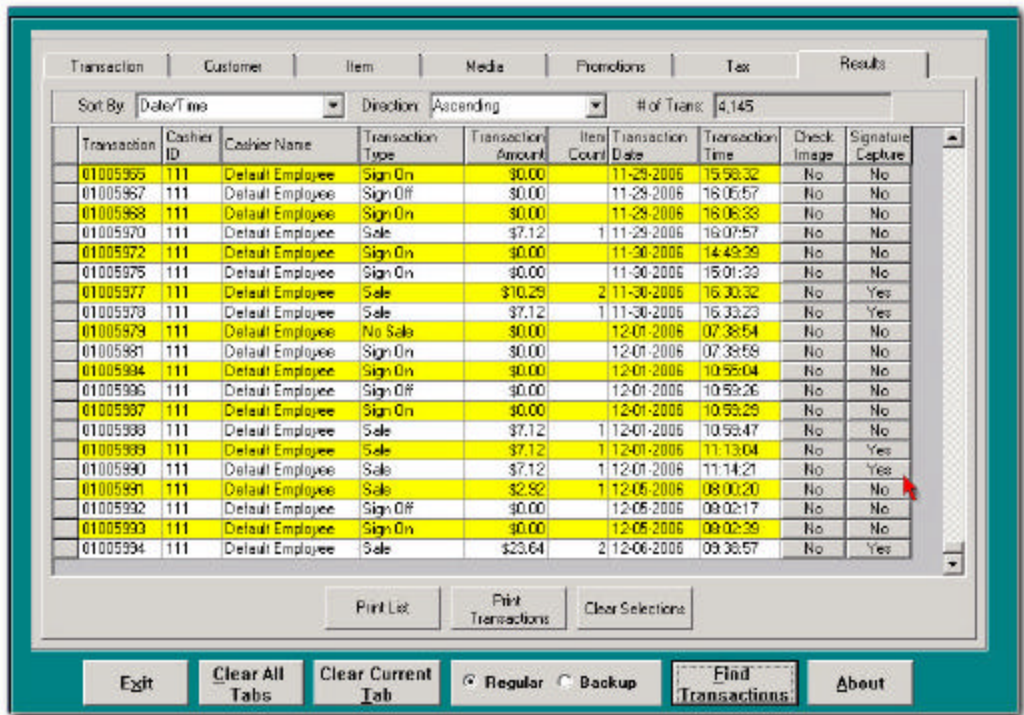
- Store Number
- Register Number
- Transaction Number
- Cashier ID
- Transaction Date and Time
- Customer Number (If available)
- Sale Total
- Tender Type
- Account Number
- Tender Amount

Note:

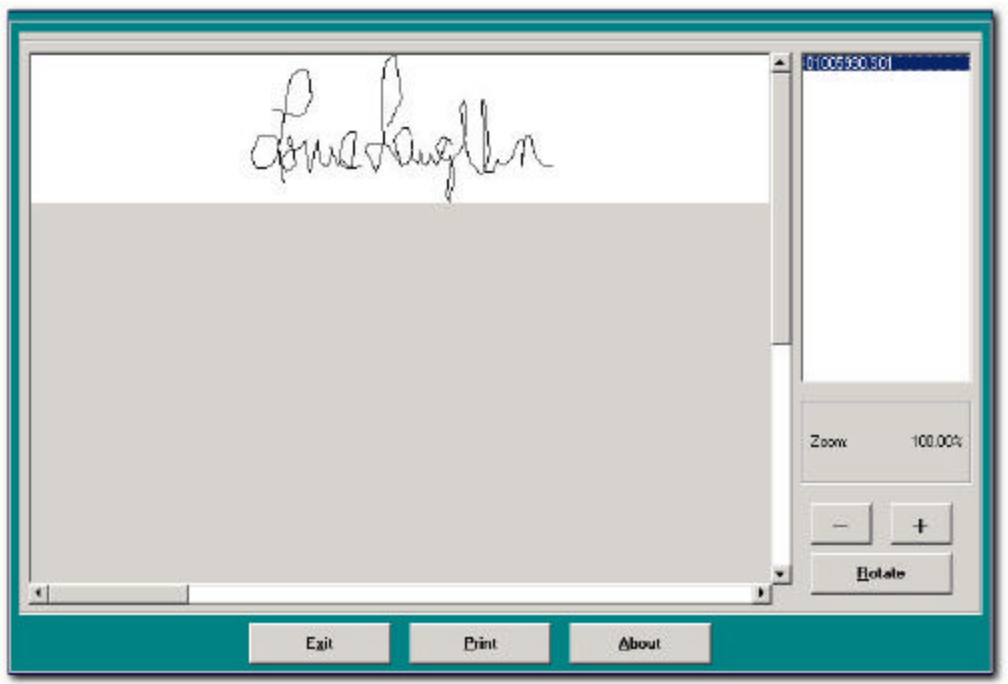
In addition to the hardware required to capture these images, the POS Workstation Setting “Enable Elec. Signature Capture” (EFT) must set to “Yes” to enable this feature.

EJ Reporting Modifications

The Electronic Journal Reports’ Results Tab contains a **Signature Capture** column button. A “Yes” appears on the button if an image is available for the listed transaction.



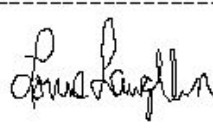
If the “Yes” button is pressed, a window is launched that displays the image capture.



The “+” button will increase the size of the image, the “-” button will reduce the size of the image and the “Rotate” button to turn the image. When satisfied with

its presentation, click the **“Print”** button to send the image to the printer. The transaction information will appear above the image.

ScanMaster Electronic Journal Signature Image							
12/07/2006 02:11 PM							
Store	Reg	Cashier	Transaction	Date	Time	Customer	Sale Total
0001	01	111	01005990	12-01-06	11:14:21	n/a	\$7.12
Tender		Control #		Exp	Transit	Check #	Amount
Visa		XXXXXXXXXXXXXXXXXXXX3719					\$7.12



Post-Transaction TLOG Consolidation

The POS Workstation now consolidates each transaction to the transaction log (TLOG) file on the server after the transaction is completed. In previous ScanMaster releases, the POS Workstation wrote all transactions occurring before a signoff to a local pending consolidation transaction log file and consolidated these transactions on the server after a sign off occurred. This change will help ensure the Store Totals computed using the “Version Independent Connected Services Interface” TLOG match the ScanMaster Store Totals.

The POS Workstation will still create and append to a transaction log file on the file server in the <LAN Drive>\GROCERY\FILES folder. However, instead of waiting for a signoff to consolidate this transaction log data, the POS will now consolidate each individual transaction log when each transaction is completed. In addition, the POS Workstation will no longer create multiple server transaction log files when a file gets to a certain size. It will now just keep appending to the same file no matter how big the file may grow in size.

When offline, the POS Workstation will write the individual transaction logs to its local disk. When the POS Workstation comes back online, it will consolidate all local transaction logs to the server.

To implement this new TLOG consolidation logic:

- The POS Workstation creates an “Auto Sign On” transaction log record during online transaction log consolidation and following a forced cashier logoff. The record is the same as a normal sign on record except the transaction number will be set to 2 digit register number plus 6 zeros (i.e. rr000000).
- The POS Workstation creates a new Initialization Transaction log record to the new temporary TLOGINIT.DAT file (located in the C:\GROCERY\FILES folder) whenever the POS application is initialized.

Note:

The TLOGINIT.DAT file is for internal use by the POS application only.

MTXEPS OpenEPS Masked Calls

ScanMaster has implemented MTXEPS OpenEPS masked calls to eliminate the POS receiving unmasked card data. While the POS does not store account number information from MTXEPS, this enhancement removes the possibility of it being momentarily stored in memory.

Note:

ScanMaster 2.04.01-050 requires MTXEPS OpenEPS version 8.20 or higher.

USCAN Dynamic Customer Builds

ScanMaster can now be configured to dynamically add customers at the USCAN terminal. When the new Dynamic Customer Build option is enabled and customer card is scanned that is not on file, ScanMaster will display the “Customer not in file. Do you wish to add customer?” prompt at the attendant station. The customer is directed to place their card on the scale and wait for assistance. Cashier intervention is required in Direct Mode to approve the scan.

Note:

Security may be added to this function to require manager approval.

New Frequent Shopper Coupon Award Option

A new POS Workstation Setting in this release allows Frequent Shopper Coupons to be awarded as long as the customer's current sale total and period totals exceed the **Over Freq. Shopper \$\$ Amount** (Promotions Tab) POS Workstation Setting. In previous releases, the coupon was only issued each time this amount was exceeded. Coupons can now be continually issued as long as this amount remains exceeded.

Previous Award Computation

For this example, assume the POS Workstation Settings are as follows:

Over Freq. Shopper \$\$ Amount = 400

Over Freq. Shopper Coupon # = 03

Freq. Shopper Rollover Amount = 0040000 (i.e. \$400.00).

Note:

The Frequent Shopper Rollover Amount is the amount of total period purchases that must be exceeded before resetting. This figure is subtracted from the period-to-date totals during the reset.

First Sale:

Customer #403 - Ring 3 @ \$400 to GROCERY = \$1200.00 sale.

Dollars to Date: \$1200.00

Dollars this Period: \$800.00 (\$400 rollover)

FREQUENT SHOPPER COUPON **IS** ISSUED

Second Sale:

Customer #403, ring \$1.00 to GROCERY = \$1.00 sale.

Dollars to Date: \$1201.00

Dollars this Period: \$401.00 (\$400 rollover)

FREQUENT SHOPPER COUPON **IS NOT** ISSUED

Third Sale:

Customer #403, ring \$1.00 to GROCERY = \$1.00 sale.

Dollars to Date: \$1202.00

Dollars this Period: \$2.00 (\$400 rollover)

FREQUENT SHOPPER COUPON **IS NOT** ISSUED

Fourth Sale:

Customer #403, ring \$398 to GROCERY = \$398.00 sale.

Dollars to Date: \$1600.00

Dollars this Period: \$400.00 (No rollover – total met but not exceeded)

FREQUENT SHOPPER COUPON **IS** ISSUED

Fifth Sale:

Customer #403, ring \$1.00 to GROCERY = \$1.00 sale.

Dollars to Date: \$1601.00

Dollars this Period: \$1.00 (\$400 rollover)

FREQUENT SHOPPER COUPON **IS NOT** ISSUED

New POS Workstation Setting

Repeat FS Cpn While Over Limit [Promotions]

This field requires a Yes or No. If this option is set to “Yes”, the **Over Freq. Shopper \$\$ Coupon** will be awarded under the following conditions:

- **Over Freq. Shopper Coupon #** > 0000

- Customer's pre-sale FS period totals + current sale's FS dollars > **Over Freq. Shopper \$\$ Amount**

If set to “No”, the **Over FrqShp \$\$** coupon will be awarded under the following conditions:

- **Over Freq. Shopper Coupon #** > 0000

- Customer's pre-sale FS period dollars < **Over Freq. Shopper \$\$ Amount**

- Customer's pre-sale FS period totals + current sale's FS dollars > **Over Freq. Shopper \$\$ Amount**

New Award Computation

For the following example, assume the POS Workstation Settings are the same as the previous example but with the new POS Workstation Setting enabled:

Repeat FS Cpn While Over Limit = Yes

Over Freq. Shopper \$\$ Amount = 400

Over Freq. Shopper Coupon # = 03

Freq. Shopper Rollover Amount = 0040000 (i.e. \$400.00)

Note:

If the “Repeat FS Cpn While Over Limit” POS Workstation Setting is set to “No”, coupons will awarded as described in the *Previous Award Computation* above.

First Sale:

Customer #402 - Ring 3 @ \$400 to GROCERY = \$1200.00 sale.

Dollars to Date: \$1200.00

Dollars this Period: \$800.00 (\$400 rollover)

FREQUENT SHOPPER COUPON IS ISSUED

Second Sale:

Customer #402, ring \$1.00 to GROCERY = \$1.00 sale.

Dollars to Date: \$1201.00

Dollars this Period: \$401.00 (\$400 rollover)

FREQUENT SHOPPER COUPON **IS** ISSUED

Third Sale:

Customer #402, ring \$1.00 to GROCERY = \$1.00 sale.

Dollars to Date: \$1202.00

Dollars this Period: \$2.00 (\$400 rollover)

FREQUENT SHOPPER COUPON **IS** ISSUED

Fourth Sale:

Customer #402, ring \$398 to GROCERY = \$398.00 sale.

Dollars to Date: \$1600.00

Dollars this Period: \$400.00 (No rollover – total met but not exceeded)

FREQUENT SHOPPER COUPON **IS** ISSUED

Fifth Sale:

Customer #402, ring \$1.00 to GROCERY = \$1.00 sale.

Dollars to Date: \$1601.00

Dollars this Period: \$1.00 (has taken \$400 rollover)

FREQUENT SHOPPER COUPON **IS** ISSUED

Sixth Sale:

Customer #402, ring \$1.00 to GROCERY = \$1.00 sale.

Dollars to Date: \$1602.00

Dollars this Period: \$2.00

FREQUENT SHOPPER COUPON **IS NOT** ISSUED

Electronic Journal Rebuilds

A new Back Office Setting in this release designates when a rebuild of the Electronic Journal Database is performed. The rebuild reduces the size of the database and enables it perform more efficiently.

When the Electronic Journal is in pause mode, it compares the actual date with the date the rebuild was last performed. If the date is equal to or greater than the number of days established in the new setting below, a rebuild of the EJ Database will be performed.

Note:

The date of the last EJ Rebuild is maintained in the <LAN Drive>:\Grocery\SMCONFIG.INI file. An entry is also made in the <LAN Drive>:\Grocery\Files\Log\EJ.log file when rebuilds are performed and/or skipped.

New Back Office Setting

The following new Back Office Setting is found in the System Configuration Editor.

Note:

Back Office Settings are changed using the fields listed under the column headed by the computer's name within the Global/Store and BackOffice Tabs.

Rebuild EJ Tables every # days Two (2) digit numeric field. Enter the number of days between automatic rebuilds of Electronic Journal Database. Enter "0" to disable this feature.

Support of MICR for WIC Checks

Support was added in 2.04.01-050 for the support of MICR capture. This specific information is need for California's WIC program.

New POS Workstation Setting

Capture MICR on WIC Tender [Devices]

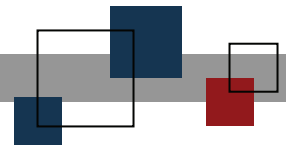
This field requires a Yes or No. If you set this field to “Yes”, then at the time of WIC tender the cashier will be asked to present the check for MICR read. Capture MICR data is placed in the tlog.

Note:

The System Configurator Option “Enable MICR Reader Support” must also be set to “Yes”

Support of the Fujitsu D25 Touch on an NCR Terminal

Support was added in 2.04.01-050 for the support of the Fujitsu D25 Touch on and NCR Terminal. Please see the Installation/Upgrade notes for details on setting up this configuration.



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