



# *Scan*Master

*Release Notes and What's New*

*ScanMaster 2.9.0-050*



## ScanMaster V2 Release Notes and What's New

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# Introduction

New features were made recently to the ScanMaster system as a result of customer change requests. These changes are reflected in the accompanying 2.09.00-050 software.

These enhancements are explained in detail in the following pages and are included in your ScanMaster 2.09 User and Installation Guides.

# Receipt Image Data to Transaction Log

ScanMaster receipt image data can now be written to the Transaction Log. This feature facilitates transmitting the receipt image via email to customers as well as a potential support enhancement.

In previous releases, the Transaction Log included items and details of the sale but not a representation of the receipt.

**Note:**

The POS Workstation Setting, "Enable 7156 Delayed Receipt" (Receipt Tab) must be set to "Yes" to enable this feature.

**Note:**

Check (document) or validation printing is not included in the TLOG (as well as Sign On, Sign Off and Decline Slips).

## New POS Workstation Setting

To support sending receipt image data to the TLOG, the following new POS Workstation Setting is found in the System Configuration Editor.

### Enable Receipt Detail in TLOG [Receipt]

This field requires a Yes or No. If set to "No" (default), the POS Workstation will not store the receipt detail in the TLOG. If set to "Yes", the accumulation of receipt detail in the TLOG is activated.

**Note:**

This setting must be set to "Yes" for the receipt email option to be enabled on the POS Workstation.

**Note:**

Be aware that turning this feature on will require more disk space than in sites where receipt detail is not stored in the TLOG. With this option on, the size of the individual TLOG, grctlog.asc and CT.....asc files will be approximately 2.5 to 5 times larger. For example, stores that do a significant number of Electronic WIC sales will see TLOG sizes approaching 5 times that of sites where receipt images are not stored. Dealers need to ensure that disk space is adequate to support this feature and may want to modify the number of days of TLOG to save and/or provide for external storage.

## Emailing of Receipts to Customers

ScanMaster now supports the email receipt option. Emailed receipts (sent as PDF file attachments) are made available during end-of-day processing for sales done by delayed or settled cashiers/lanes. The Email1 field from the Customer file will be used.

When an email-only customer wants a receipt to print, the Receipt Reprint function can be used to print the entire receipt and associated slips and coupons.

**Note:**

In previous releases, customer email addresses were maintainable using ScanMaster Customer File Maintenance. The fields were informational only, used for reporting and hosting.

### New Back Office Settings

To support emailing receipts, the following new Back Office Settings are 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 Receipt Email Option

This field requires a Yes or No. Set this field to "Yes" to have ScanMaster build the PDF files of customer receipts during EOD processing. If set to "No" (default), PDF receipt files will not be created.

#### Send Receipt Email at EOD

This field requires a Yes or No. Set this field to "Yes" to have ScanMaster attach the PDF receipt files to customer emails and send them during EOD processing. If set to "No" (default), this function must be handled by a third-party.

**Note:**

Receipts from Self-Checkout Terminals will always be printed.

### New POS Workstation Settings

To support emailing associated slips and coupons, the following new POS Workstation Settings are found in the System Configuration Editor.

**Note:**

The TLOG receipt image created at End of Sale includes a significant portion of the data that goes to the printer. (Special characters, logo graphics, sign on/off slips, etc. are not included in the TLOG image). Stores may wish that some portions of a receipt not be emailed or that some portions be printed even if the receipt is designated to be emailed. The “Email Rcpt: Incl” settings below are used to set flag indicators in the TLOG Receipt Image header line as to whether certain receipt sections should be included in the receipt email PDF file. Conversely, the “Email Rcpt: NoPrt” settings below allow the printing of selected receipt sections even though the receipt is designated to be emailed and not printed.

**Email Rcpt: Incl Gft Act Slip [Receipt]**

This field requires a Yes or No. If set to “Yes”, Gift Card Activation Slips may be emailed to the customer (if the “Receipt Delivery Options” setting in the Customer File is set to “Email”). If set to “No” (default), activation slips will not be emailed. **Note:** Activation slips are configured to print at the lane during the transaction.

**Email Rcpt: Incl Str EFT Slip [Receipt]**

This field requires a Yes or No. If set to “Yes”, Store / Drawer EFT Slips may be emailed to the customer (if the “Receipt Delivery Options” setting in the Customer File is set to “Email”). If set to “No” (default), Store / Drawer EFT Slips will not be emailed. **Note:** Store / Drawer EFT Slips are configured to print at the lane during the transaction.

**Email Rcpt: Incl Cust EFT Slip [Receipt]**

This field requires a Yes or No. If set to “Yes”, the Customer Copy of EFT Slips may be emailed to the customer (if the “Receipt Delivery Options” setting in the Customer File is set to “Email”). If set to “No” (default), the Customer Copy of EFT Slips will not be emailed. **Note:** Customer Copy EFT Slips are configured to print at the lane during the transaction.

**Email Rcpt: Incl Promo Cpns [Receipt]**

This field requires a Yes or No. If set to “Yes”, ScanMaster Promo Coupons may be emailed to the customer (if the “Receipt Delivery Options” setting in the Customer File is set to “Email”). If set to “No” (default), ScanMaster Promo Coupons will not be emailed. **Note:** ScanMaster Promo Coupons are configured to print at the lane during the transaction.

**Email Rcpt: NoPrt Gft Act Slip [Receipt]**

This field requires a Yes or No. If set to “Yes”, Gift Card Activation Slips will not be printed at the POS Workstation if the customer is configured to receive a receipt via email. If set to “No”, the POS will print Gift Card Activation Slips at the time of sale, even in the case where the customer is set to receive a receipt via email.

**Email Rcpt: NoPrt Str EFT Slip [Receipt]**

This field requires a Yes or No. If set to “Yes”, Store / Drawer EFT Slips will not be printed at the POS Workstation if the customer is configured to receive a receipt via email. If set to “No”, the POS will print Store / Drawer EFT Slips at the time of sale, even in the case where the customer is set to receive a receipt via email.

**Email Rcpt: NoPrt Cust EFT Slip [Receipt]**

This field requires a Yes or No. If set to “Yes”, the Customer Copy of EFT Slips will not be printed at the POS Workstation if the customer is configured to receive a receipt via email. If set to “No”, the POS will print the Customer Copy of EFT Slips at the time of sale, even in the case where the customer is set to receive a receipt via email.

**Email Rcpt: NoPrt Promo Cpns [Receipt]**

This field requires a Yes or No. If set to “Yes”, ScanMaster Promo Coupons will not be printed at the POS Workstation if the customer is configured to receive a receipt via. If set to “No”, the POS will print ScanMaster Promo Coupons at the time of sale, even in the case where the customer is set to receive a receipt via email.

**Customer File Maintenance Change**

The Customer Info Tab in Customer File Maintenance has a new setting in this release for Receipt Delivery Options.

Look up Account by		Account #	
<input checked="" type="radio"/> Cust Acct	<input type="radio"/> Bank Acct	040000000002	
Last Name	SMITH	Contact Info	Check Info History Frequent Shopper Charge Picture Info
First Name	JOHN	Email 1	john.smith@yahoo.com
Address	130 CRYSTAL LANE	Email 2	
Address 2		Ship To Information	Receipt Delivery Options
City	SOMEWHERE	Address 1	
State / Prov	CA Zip Code 15632-0000	Address 2	
Level	Level 1 - LEVEL 1	City	
Lookup Phone#	(724)776-0061	State/Prov	Receipt Delivery Options
Tax Exempt #		Zip Code	00000-0000
Check Routing#	000000000	Contact Information	0 - Print
Checking Acct #	00000000000000000000	Last Name	0 - Print
Code	0_GOOD ACCOUNT	First Name	1 - Email
Cash Only	<input type="checkbox"/>	Phone #	2 - Print and Email
Comment		Memo	
Auto Discount	<input checked="" type="radio"/> None <input type="radio"/> Disc 1 <input type="radio"/> Disc 2 <input type="radio"/> Disc 4 <input type="radio"/> Disc 5		
Exit	Save	<< Previous	Next >>
		Delete	About
			Create Range

**Receipt Delivery Options** – If the Back Office Setting “Enable Receipt Email Option” is set to “Yes” and POS Workstation Setting “Delayed Receipt Printing” is set to “Yes”, click the field selection and select whether the customer desires “Email” only receipt or both “Print and Email” receipts.

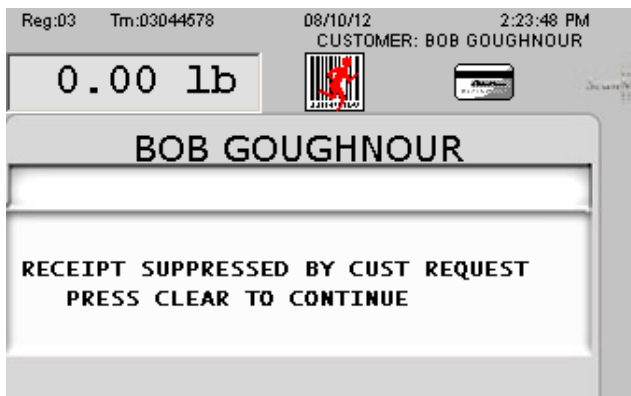
## POS Logic Changes

During the printing of delayed receipts, the following POS logic is now performed if the Back Office Setting “Enable Receipt Email Option” (see page 3) is set to “Yes”:

- The POS skips the printing of Gift Card Activation Slips if the POS Workstation Settings “Email Rcpt: NoPrt Gft Act Slip” is set to “Yes” and the current customer’s record has the “Receipt Delivery Options” set to “Email”.
- The POS skips the printing of the Store / Drawer copy of EFT slips if the POS Workstation Setting “Email Rcpt: Incl Str EFT Slip” is set to “Yes” and the current customer’s record has the “Receipt Delivery Options” set to “Email”.

- The POS skips the printing of the Customer Copy of EFT slips if the POS Workstation Setting “Email Rcpt: Incl Cust EFT Slip” is set to “Yes” and the current customer’s record has “Receipt Delivery Options” set to “Email”.
- The POS skips the printing of the ScanMaster Promo Coupons if the POS Workstation Setting “Email Rcpt: Incl Promo Cpns” is set to “Yes” and the current customer’s record has “Receipt Delivery Options” set to “Email”.

When the printing of the receipt is suppressed at the POS Workstation (except for Self-Checkout Terminals) based on the new logic above, the following message appears on the Customer Display:



The cashier must press the “Clear” key to continue.

**Note:**

Suspended transactions will always print a receipt even if the customer is an Email-Only customer.

## New Email Message Application

A new email application (Sm2editm.exe) found in this release allows a retailer to provide their email address and include a subject and text message as part of the email message sent to the customer (with their receipt as a file attachment). The Store Email Address and Email Acct. Password are required fields.

Insert value into text: <First\_Name>

Store Email Address: mystore@myaddress.com

Email Acct. Password: \*\*\*\*\*

Subject Line: Subject line for Customer # <Cust\_Acct#>

Text

To our valued customer <First\_Name> <Last\_Name>  
Here is the receipt for acct number:<Cust\_Acct#> for <Trans\_Num>  
on <Trans\_Date> at <Trans\_Time>.  
Thanks for shopping with us.

Exit Save

The fields on this screen are:

**Insert Value into text** – Click the field selection arrow and choose a replaceable variable to insert into the Subject Line or Text box.

**Note:**

The program that sends out the emails will open <LAN Drive>:\Grocery\Email\Encrypt.enc which contains all of the information in an encrypted format. The email program will decrypt the file and replace any text tagged with the < > with the actual value intended, i.e., <First Name> will be replaced by the customer's first name as found in the ScanMaster Customer file, etc.

**Store Email Address** – (Required Field) Enter the store's email address.

**Email Acct. Password** – (Required Field) Enter the password for the store's email account.

**Subject Line** – Enter subject for the receipt email.

**Text** – Enter the text message that the retailer would like to send along with the receipt file (limited to a maximum of 24,000 characters).

## New ScanMaster TLOG Email Processor

The ScanMaster TLOG Email Processor (Sm2email.exe) processes the receipt image records (grctlog.asc) file. If the program detects any group of TLOG receipt image records with a customer number in the image header line, it will look up the customer number in the customer file, verify that the Email1 field contains an address and creates a PDF file for that receipt if the ReceiptDelivery flag is set to “Email” or “Print and Email”. The program can be run automatically as part of the EOD or manually from a command line.

**Note:**

If the Back Office Settings “Enable Receipt Email Option” and “Send Receipt Email at EOD” are both set to “Yes”, the program will run automatically to build the email PDF files and send them during EOD. (The program can also be run manually from a command line if passed with a command line parameter of /C).

**Note:**

PDF files are named xxxxxxxxxxxx\_MMDDYY\_HHMM\_rrttttt.pdf where xxxxxxxxxxxx is the Customer Acct #, MMDDYY is the date, HHMM is the time of the receipt start, rr is the register number and ttttt is the transaction number. These files are written to a <LAN Drive>:\Grocery\EMail folder.

**Note:**

If the Back Office Setting "Send Receipt Email at EOD" is set to "Yes" and a retailer wants a logo embedded in the emailed PDF file, the logo file (or other graphic) will need to be edited to size the file in the 3 to 30 KB range. Once edited it needs to be saved in the <LAN Drive>:\Grocery\Email folder as maillogo.jpg. To assist in setting up this embedded logo, the /C parameter will process a Calibrat.asc file which is included in the ScanMaster install. Running "Sm2email /C" will create a Calibrate.pdf file (located in <LAN Drive>:\Grocery\Email folder) which the retailer can view to see how the logo and text will look like in the production email PDF files.

**Note:**

In the <LAN Drive>:\Grocery\Email folder there is a SMEMAIL.INI file with the following entries:

[Email Settings]

LOGOSTARTCOLUMN=60

RECEIPTSTARTROW=90

LINESPERPAGE=78

LINESPAGEONE=67

The LOGOSTARTCOLUMN parameter is used to center the embedded logo, the RECEIPTSTARTROW parameter is used to set where the receipt text starts after the logo, the LINESPAGEONE sets how many receipt lines are printed on page one and LINESPERPAGE sets how many receipt lines are printed on any additional pages. To adjust the look of the email, edit the SMEMAIL.INI file and run Sm2email /C. Adjusting these parameters will allow a user to setup how the receipt will look with their logo. If the maillogo.jpg is too large it can cause issues with PDF file creation.

**Note:**

Barcodes will not be represented on the coupon when emailed.

## New ScanMaster Email Tester Program

The ScanMaster Email Tester Program (Sm2emtst.exe) is used to test the retailers' email settings. The program can only be run from the command line and the instructions on how to use the program are displayed on screen.

**ScanMaster Email Tester**

From:

To:

Subject: Test of ScanMaster Emailer Settings.

SMTP Server Settings

Server:

My server requires user authentication

User:

Password:

My server requires secure connection (SSL)

My server requires a StartTLS option

SMTP Port#:  TimeOut:

This program allows a user to test/setup the receipt email option. The test Subject and Message are fixed values.  
**NOTE!!** No validation is being done on any entries so it is up to the user to enter correct. valid data!

The From and To email addresses **MUST** be filled in. Since this package supports sending emails directly without going through a smtp server, it is recommended to first try sending an email with just the From and To fields filled in. Unless the store's ISP is blocking port 25, the email will most likely work. If so, click the Write INI button and exit.

If this fails, it will be necessary to use the store's ISP's smtp server or other smtp server, i.e. yahoo, gmail, etc. To do this, the SMTP Server Settings section will need completed. As a minimum, the Server name, i.e., smtp.provider.com, User account name and password will be needed.

If a timeout error occurs, try setting the TimeOut incrementally higher, otherwise, leave it at 20.

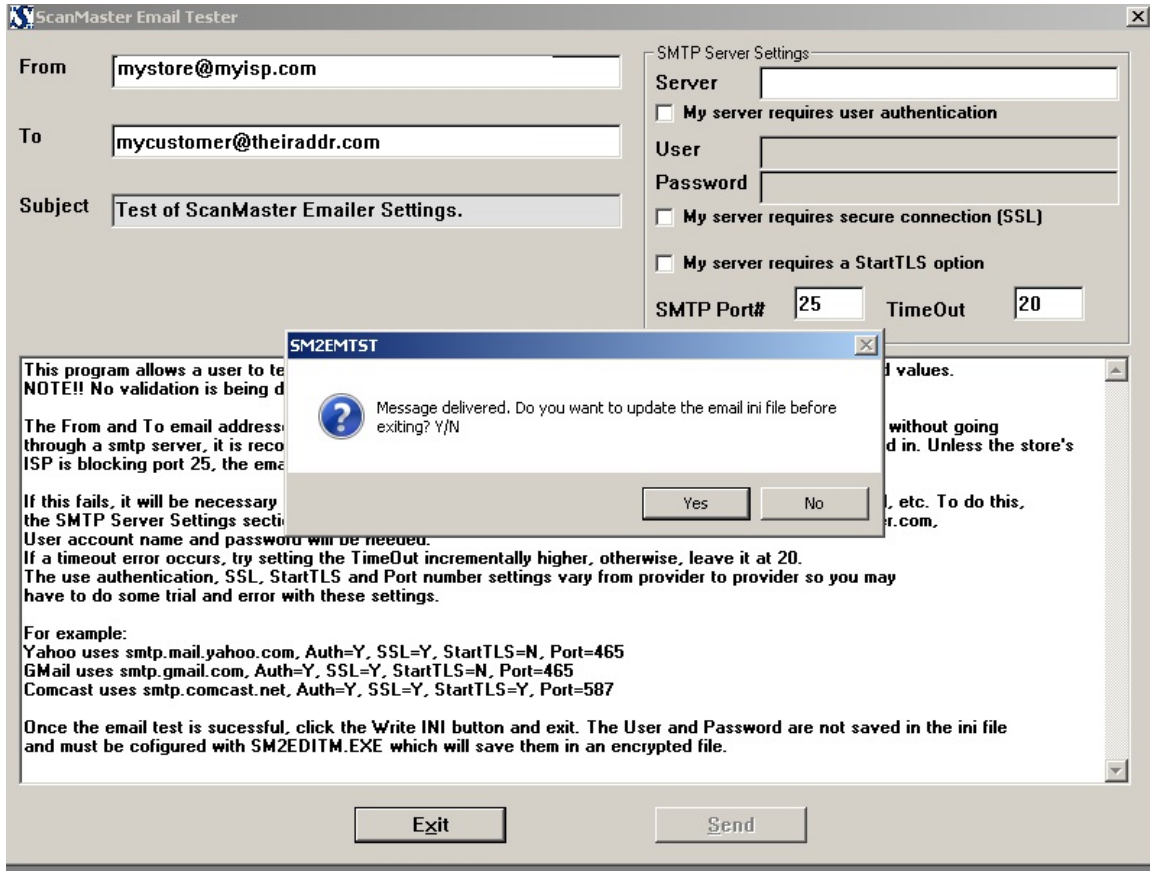
The use authentication, SSL, StartTLS and Port number settings vary from provider to provider so you may have to do some trial and error with these settings.

For example:  
 Yahoo uses smtp.mail.yahoo.com, Auth=Y, SSL=Y, StartTLS=N, Port=465  
 GMail uses smtp.gmail.com, Auth=Y, SSL=Y, StartTLS=N, Port=465  
 Comcast uses smtp.comcast.net, Auth=Y, SSL=Y, StartTLS=Y, Port=587

Once the email test is successful, click the Write INI button and exit. The User and Password are not saved in the ini file and must be configured with SM2EDITM.EXE which will save them in an encrypted file.

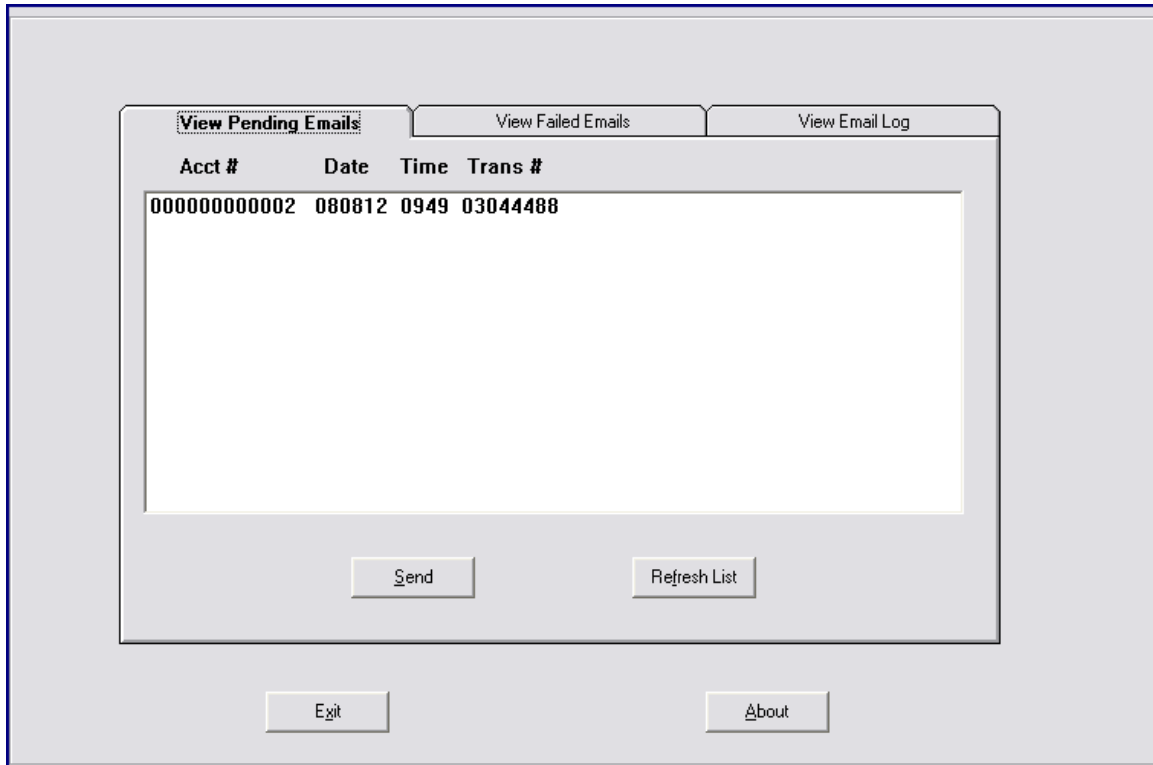
Exit Send

If the send is successful, the user is prompted to save the settings to <LAN Drive>:\Grocery\Email\Sm2sendm.ini file.



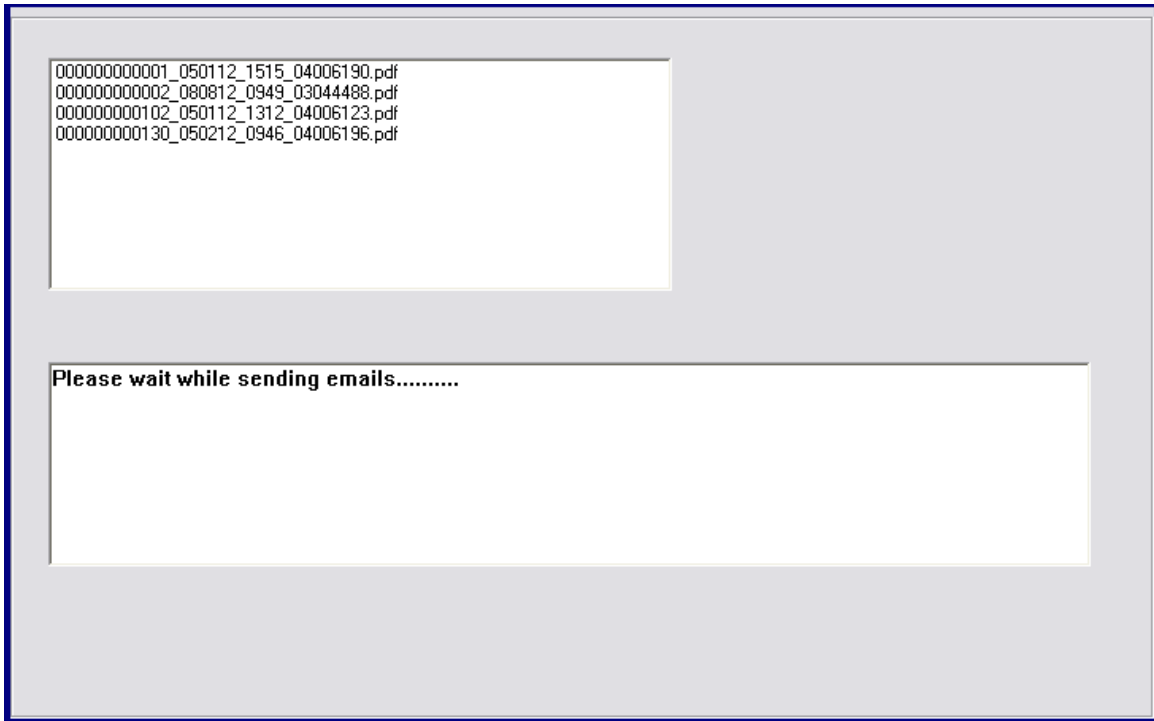
## New ScanMaster Email Viewer Program

This ScanMaster Email View program (Sm2evview.exe) appears on the System Services menu and allows a user to view/send either pending or failed emails. It also allows for the viewing/printing of the email log.



## New ScanMaster Email Assembling Program

This ScanMaster Email Assembling program (Sm2sendm.exe) assembles and sends the emails. This program reads the Encrypt.enc file in <LAN Drive>:\Grocery\Email to get the store email address and password as well as the Email subject line and message text. The Customer ID is read from the PDF file to obtain the email address (and other data if the subject line or message text contains replaceable macros) for the customer. Once this information is complete, the programs attempts to send the email with the PDF file as an attachment. Email results are logged to <LAN Drive>:\Grocery\Files\Log\Email.log.

**Note:**

If a customer brings in a printed email receipt for a return, refund, etc. the store should verify that transaction against the EJ database to ensure the source information was not altered.

## Enhanced Security for POS Functions

POS functions are now supported within ScanMaster's Enhanced Security application. When POS Enhanced Security is enabled, the security level for each employee (established in Employee Maintenance) is ignored and all POS managerial approval authorization is regulated by the Enhanced Security system.

The following POS functions may be configured using POS Enhanced Security (with the functional grouping listed in parenthesis):

- RETURN TO SALE (Sales)
- SIGN ON TRAINING MODE (Sales)
- ALLOW UNLOCK IDLE MODE (Sales)
- NOSALE (Sales)
- DYNAMIC CUSTOMER BUILD (Sales)
- SIGNOFF WITHOUT SECURITY # (Sales)
- ENTER UTILITIES MENU (Report Menu)
- CHANGE CONVERSION RATE (Report Menu)
- ALLOW PICKUP/LOAN (Report Menu)
- ENTER REPORTS MENU (Report Menu)
- ALLOW TAX EXEMPT (Status Menu)
- ALLOW PRICE OVERRIDE (Status Menu)
- ALLOW REFUND/RETURN (Status Menu)
- ALLOW LINE ITEM DISCOUNT (Status Menu)
- ALLOW SALE DISCOUNT (Status Menu)
- CANCEL TRANSACTION (Status Menu)
- ALLOW PRICE INQUIRY (Status Menu)
- ALLOW COUPON PAIDOUT (Misc. Functions)
- ALLOW PAIDIN/PAIDOUT (Misc. Functions)
- ALLOW CHECK CASH (Misc. Functions)
- ALLOW GIFT CARD CASHOUT (Misc. Functions)
- ALLOW MEDIA SWAP (Misc. Functions)

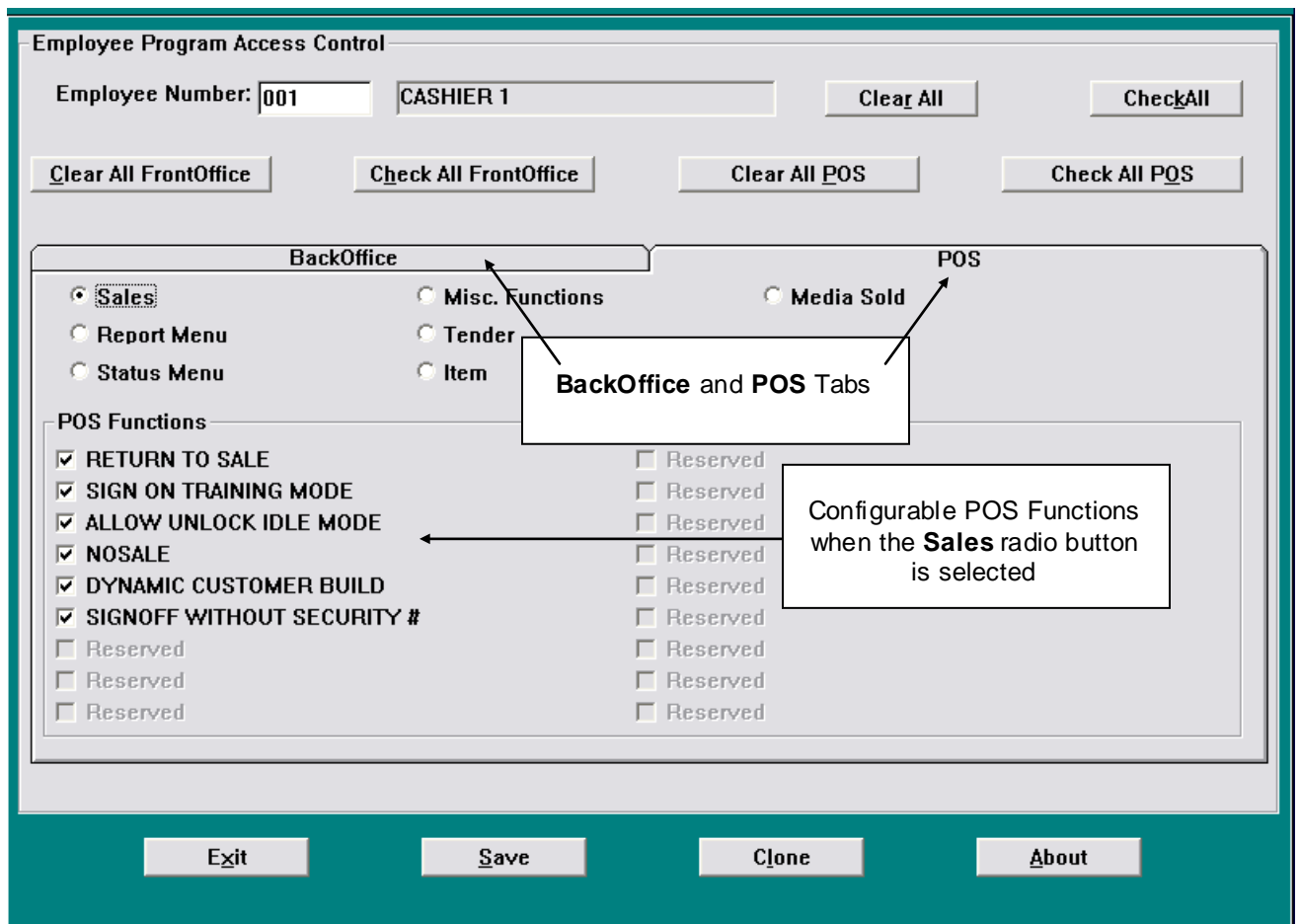
- SUSPEND TRANSACTION (Misc. Functions)
- RETRIEVE TRANSACTION (Misc. Functions)
- CHECK CASHING LIMIT OVERRIDE (Misc. Functions)
- ENTER MISC FUNCTIONS MENU (Misc. Functions)
- CASH ONLY CUSTOMER OVERRIDE (Tender)
- SIGNATURE REJECTION AND VOID (Tender)
- OVER TENDER LIMIT OVERRIDE (Tender)
- MAX TENDER LIMIT OVERRIDE (Tender)
- CHECK FEE OVERRIDE (Tender)
- INSTORE CHARGE STATUS (Tender)
- INSTORE CHARGE LIMIT EXCEEDED (Tender)
- INSTORE CHARGE NON-ZERO BALANCE (Tender)
- DRAWER LIMIT REACHED (Tender)
- CHECK APPROVAL NEEDED (Tender)
- CHECK DECLINE OVERRIDE REQUESTED (Tender)
- EFT MANAGER REQUESTED (Tender)
- TENDER REVERSAL ABORTED (Tender)
- GIFT CARD TENDER COUNT > MAX (Tender)
- ERROR CORRECT (Item)
- VOID (Item)
- MANUAL RANDOM WEIGHT ENTRY (Item)
- MANAGER REPORT CODE (Item)
- ATTEMPT QTY ENTRY (Item)
- CASHIER AGE RESTRICTION (Item)
- RETURN OVER ITEM LIMIT (Item)
- RETURN OVER SALE LIMIT (Item)
- HIGH/LOW ERROR (Item)
- AGE RESTRICTION DECLINE (Item)
- ABORT CARD ACTIVATION (Media Sold)
- GIFT CERTIFICATE SALE (Media Sold)
- MONEY ORDER SALE (Media Sold)

**Note:**

In previous ScanMaster releases, the employee's Enhanced Security record contained only Back Office functions and no POS functions were configurable. For POS Workstations, the POS Workstation Setting "Minimum Security Level for Mgr" determines if an employee can approve security checks (based on the employee's security level). If the employee's security level is equal or greater than the value stored in this option, they can authorize any function requesting a Manager.

## Enhanced Security Screen Modifications

Two tabs now appear on the ScanMaster Enhanced Security Screen. The **BackOffice** Tab contains the existing BackOffice functions (configurable as in previous releases) and a **POS** Tab that display the POS functions listed above.



The following radio buttons appear on the top of the POS Tab. When selected, each button lists the configurable POS-related functions (grouped accordingly):

- Sales
- Report Menu
- Status Menu
- Misc. Functions
- Tender
- Item
- Media Sold

For both tabs, the following configuration button options are available.

**CLEAR ALL:** Click on this button (or press Alt-R) to clear all available BackOffice and POS functions for the selected employee.

**CHECK ALL:** Click on this button (or press Alt-K) to grant full BackOffice and POS access for the selected employee.

**CLEAR ALL FRONTOFFICE:** Click on this button (or press Alt-C) to clear all available BackOffice functions for the selected employee.

**CHECK ALL FRONTOFFICE:** Click on this button (or press Alt-H) to grant all available BackOffice functions to the selected employee.

**CLEAR ALL POS:** Click on this button (or press Alt-P) to clear all available POS functions for the selected employee.

**CHECK ALL POS:** Click on this button (or press Alt-O) to grant all available POS functions to the selected employee.

**Note:**

The existing "Clone" button is available on the bottom of the screen to give the user the ability to clone either the employee's POS record or both the BackOffice and POS records.

## Modified Back Office Setting

To support changes in Enhanced Security, an existing Back Office Setting has been modified 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.

### Previous Setting

#### **Use Enhanced Security [Global/Store]**

### New Setting

#### **Use BackOff Enhanced Security [Global/Store]**

This field requires a Yes or No. If set to "Yes," the Enhanced Security is enabled to limit employee access to Back Office menu options. For detailed instructions, see Chapter 2, "Maintaining Employee Data" in the *ScanMaster User Guide*.

## New POS Workstation Setting

To support Enhanced Security for POS changes, the following new POS Workstation Setting is found in the System Configuration Editor.

#### **Use POS Enhanced Security [Security]**

This field requires a Yes or No. If set to "Yes", the enhanced security for the POS is enabled. For detailed instructions, see "Enhanced Security" in Chapter 2, "Maintaining Employee Data" (of the *ScanMaster User Guide*). If set to "No" (default), the POS Workstation Setting "Minimum Security Level for Mgr" determines if an employee can approve security checks (based on the employee's security level).

## POS Workstation Modifications

Operational changes in the POS have been made in this release for the process of manager approvals. If the new POS Workstation Setting "Enable POS Enhanced Security" is enabled for the POS, the following will occur when a Manager ID is entered in response to a "Manager ID" prompt:

- The POS looks up the ID in the employee file for the Manager ID (either key entered, scanned, or sent through the Pocket Office Remote Manager Authorization interface). If no matching Cashier ID is found and the ID was keyed or scanned, the POS will

respond with “Not Authorized”. If the ID came from the Pocket Office Remote Manager Authorization (RMA) interface, the POS will continue to prompt “Enter Manager ID” and resend a RMA request for Manager (until a valid ID is entered).

- If an ID is found in the employee file, the POS looks up the Manager ID along with the assigned security code for the security function in the POS Enhanced Security File. If the function is restricted for the employee, the POS will respond with “Not Authorized”. If the ID came from the Pocket Office Remote Manager Authorization (RMA) interface, a “Remote Manager Approval” message will precede the “Not Authorized” response.
- If an ID is found in the employee file and security function is not restricted, the POS Workstation function is allowed to continue (and the Manager’s employee number is added to the TLOG).

## Optional Login Requirement for SRR

When enabled, a new Back Office Setting in this release requires employees to login into the ScanMaster Reconciliation Report (SRR). Upon exit, the user is returned to the main ScanMaster login screen.

The screenshot displays the ScanMaster Reconciliation Report (SRR) interface. At the top left, there are three radio buttons: 'Detail', 'Summary', and 'Compare'. The 'Detail' radio button is selected. To the right of the radio buttons is a dropdown menu. Below the radio buttons is a 'Select Date' button. The text 'Spreadsheet for Week ending: Not Selected' is displayed below the 'Select Date' button. In the center of the screen, a 'Login' dialog box is open, featuring two input fields: 'Employee #' and 'Password:'. A 'Cancel' button is located below the input fields. At the bottom of the main window, there is a toolbar with buttons for 'Exit', 'Print', 'Export', 'Unhide', 'About', and a 'Print Scale' indicator set to 0%.

**Note:**

The ScanMaster Reconciliation Report is the sixth option on the Office Procedures Menu. Since the report may be used in store balancing, increased security measures have been added. Regardless of the new setting, ScanMaster continues to log employee numbers and the programs accessed using that ID.

## New Back Office Setting

To support the SRR Login Requirement, 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 SRR Login**

This field requires a Yes or No. Set this field to “Yes” to require login access to the ScanMaster Reconciliation Report and return the user to the ScanMaster Login Screen upon exit. If set to “No” (default), a separate login will not be required to access the ScanMaster Reconciliation Report.

## SRR Summary Compare Reporting

The SRR (ScanMaster Reconciliation Report) Summary Report may be generated using a new date comparison option. The report generated displays a “Compare” column that will subtract Date Range 2 summary totals from Date Range 1 summary totals.

**Note:**

The Back Office Setting “Weeks of SRR to Save” governs the available data that can be used in an SRR Summary report.

The SRR Format Selection Screen’s **Compare** radio button appears below the **Summary** radio button. When selected, the **Date Range 1** and **Date Range 2** fields displays where the two date ranges may be entered.

The screenshot displays the SRR Format Selection Screen. On the left, there are three radio buttons: **Detail**, **Summary**, and **Compare**. The **Compare** radio button is selected. Below these buttons is a text label: "Spreadsheet for Week ending: Not Selected". To the right of the radio buttons are two date range input fields: "Date Range 1" and "Date Range 2". Each field contains two dashes "--". Below the "Date Range 1" field is a button labeled "Select Range". At the bottom of the screen, there are several buttons: "Exit", "Print", "Export", "Unhide", "About", and a "70 % Print Scale" indicator. Two callout boxes are present: one labeled "New Compare Option" with an arrow pointing to the "Compare" radio button, and another labeled "Date Range 1 and Date Range 2" with an arrow pointing to the "Date Range 1" and "Date Range 2" input fields.

**Note:**

A mixture of positive and negative values will produce mathematically correct results (but may look incorrect). For example, if a value in Range 1 is a positive \$40.50 and the corresponding Range 2 value is -\$139.00, the resulting compare value is a positive \$179.50.

## Alternate Phone Number Lookup using the UMI/UCI Interface

Functionality has been added in this release to the UMI/UCI (Universal Marketing Interface/Universal Credit Insertion) interface so if an alternate phone number is entered at the POS, the phone number is now sent through the UMI interface for a third-party lookup. If multiple customers have the same phone number and the third-party sends a list of those customers through the UCI interface, the list of those customers are displayed to the cashier for selection. The customer selected from the list is then sent back to the third-party through the UMI interface as a normal customer request.

**Note:**

The existing POS Workstation Settings “Enable Unvrsl Mrktng Interface”, “Enable Unvrsl Credit Insertion” and “Enable Phone # Lookup” (all displayed under the Promotions Tab) must be set to “Yes” to use this feature.

**Note:**

The existing POS Workstation Setting “Cust Enter Phone # at PIN Pad” (Promotions Tab) provides the option allowing the customer to enter their phone number at the PIN Pad.

Originally used to locate a customer in the ScanMaster customer file, when the Alternate Phone Number Lookup is executed at the POS and the UMI/UCI interface is enabled, the following logic is now performed:

- A “Customer ID Entry” message (Function Code “C”, Type 1) record is written to the UMI file and transmitted to the third-party.
- The UCI routine awaits the Phone Number Response message (type “U”) and stays within the routine while the Message Pending Flag of the retrieved message is “1”.
- The POS polls for the reception of the Phone Number response message in the UCI. If it does not receive a “Message Pending” field set to 0 (Complete) within one second, the “WAITING FOR CUSTOMER ACCOUNT INFO...” message will display:

The screenshot displays the ScanMaster POS workstation interface. At the top, it shows 'Reg:03', 'Trn:03043649', '01/31/12', and '09:09:21 AM'. Below this, a large display area shows '0.00 lb' and a barcode. The main display area is divided into sections: 'WAITING FOR CUSTOMER ACCOUNT INFO...', 'SCANMASTER DEVELOPMENT' with the 'Retailix' logo, and a summary section. The summary section shows 'FS Total: \$0.00', 'Cpn Total: \$0.00', '# of items: 0', and 'Tax Total: \$0.00'. The total amount is '\$0.00'. At the bottom, it lists 'Mod No ScanMaster VN 2.08.00.08AH', 'Mfg:StoreNext', and 'CC#:08-087A1 CHANDLER'. To the right of the main display area, there are several large, light blue buttons arranged vertically.

**Note:**

ScanMaster will timeout when the value defined in the POS Workstation Setting "UCI-Item Credit timeout (0=10)" (Promotions Tab) is reached. The "TIMEOUT WAITING FOR CUST INFO!" error will then display and write to the register error log (ERR.DAT).

- Results from the UMI/UCI phone number lookup are displayed for selection by the cashier.

Reg:03 Trn:03043649 01/31/12 09:10:40 AM

0.00 1b

SELECT CUSTOMER

SCANMASTER DEVELOPMENT

Retailix

FS Total:	\$0.00	Cpn Total:	\$0.00
# of items :	0	Tax Total:	\$0.00
<b>TOTAL:</b>		<b>\$0.00</b>	

Mod No ScanMaster VN 2.08.00.08AH Mfg:StoreNext CC#:08-087A1 CHANDLER

1 CHARLIE BROWN  
041234500001

2 SALLY BROWN  
041234500002

3 LUCY VAN PELT  
041234500003

4 LINUS VAN PELT  
041234500004

5 RERUN VAN PELT  
041234500005

6 VIOLET GRAY  
041234500006

7 CLARK KENT  
041234500007

8 YOGI BEAR  
041234500008

**Note:**

If only one customer is returned, it will still be presented to the cashier for verification purposes.

# Illinois Tax Forgiveness for Electronic Food Stamps

A new POS Workstation Setting in this release implements tax forgiveness rules unique to Illinois. When enabled, Electronic Food Stamps (EFS) tendered for items will forgive the taxes due on those items based on the item's tax flags and two calculation variables.

The two variables used for the calculations are:

**Food Stamp Tender Left** – Initially set to the EFS amount tendered by the cashier.

**Amount Forgiven** – Initially set to zero.

**Note:**

In all calculations described below, taxable amounts for items may be reduced to zero (but will never go negative).

For items that have both the Tax 2 and Tax 3 flags enabled, Tax 3 will be reduced by the tendered Food Stamp amount. Tax 2 will be reduced by the amount reduced for Tax 3. The "Food Stamp Tender Left" will be reduced by the "Amount Forgiven" from Tax 3.

For items that only have the Tax 2 flag enabled, Tax 2 will be reduced by the "Food Stamp Tender Left" after reducing the forgiven amount for items that have both Tax 2 and Tax 3 flags enabled (above). The "Food Stamp Tender Left" will be reduced by the "Amount Forgiven" from Tax 2.

For items that only have the Tax 1 flag enabled, Tax 1 will be reduced by the "Food Stamp Tender Left" after reducing the forgiven amount for items that have both Tax 2 and Tax 3 flags enabled (first calculation) and those items that only have the Tax 2 flag enabled (second calculation).

## New POS Workstation Setting

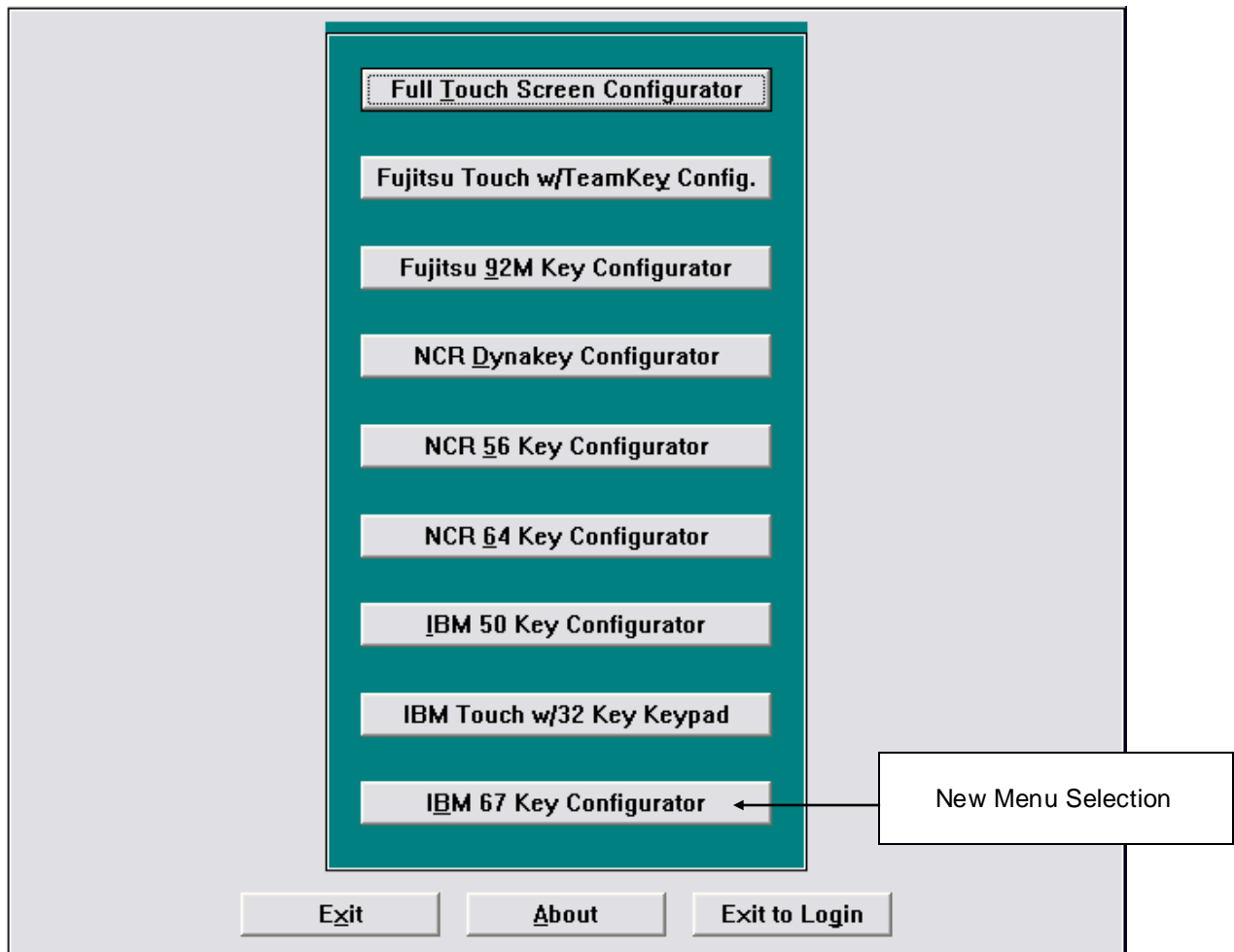
To support Illinois tax, the following POS Workstation Setting is implemented in this release. (The tab where the setting is located within the ScanMaster System Configuration Editor is listed in brackets.)

**Use Illinois Tax Mode [Tax]**

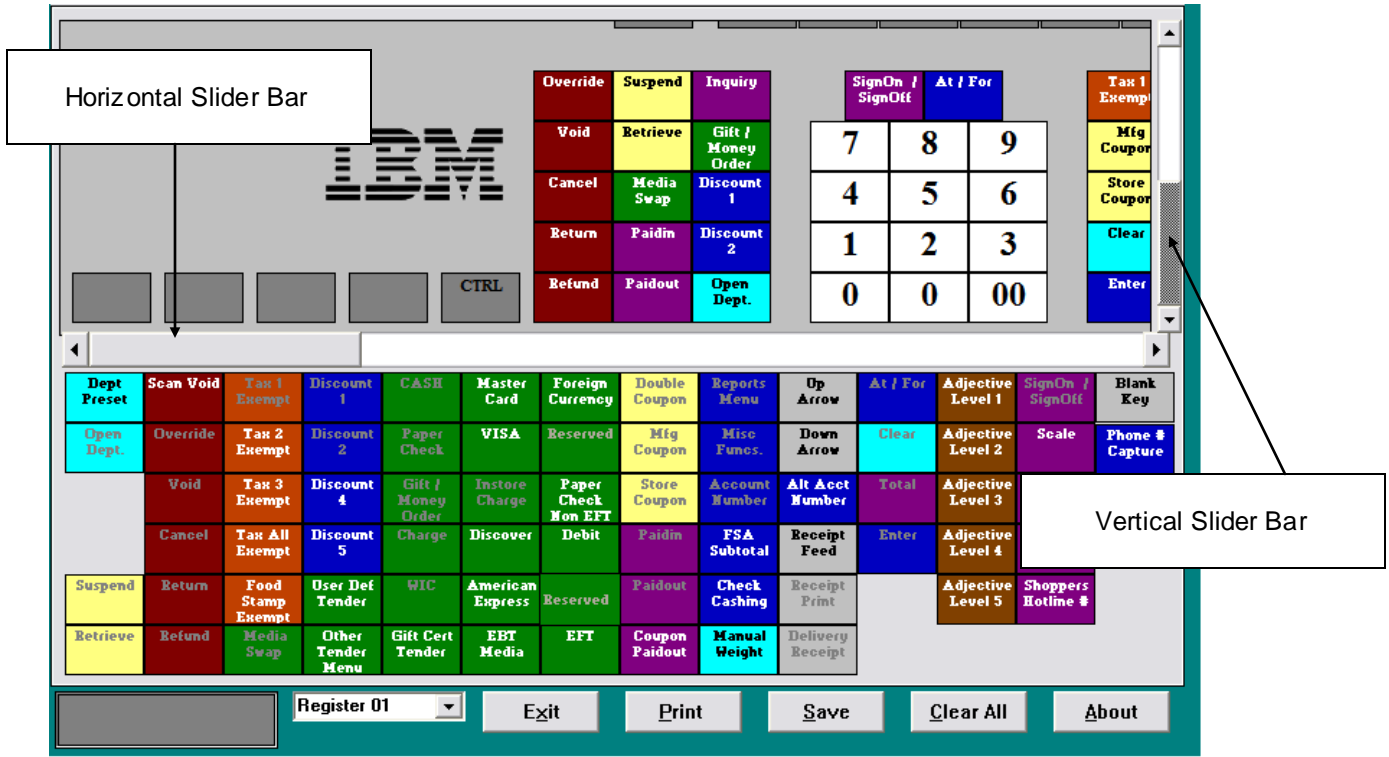
This field requires a Yes or No. When this parameter is set to “Yes”, tax is forgiven for Food Stamp tenders according to Illinois authorities. If set to “No” (default), ScanMaster forgives Food Stamp item tax by subtracting the entire Food Stamp tender amount from all three taxable totals (Tax 1, Tax 2 and Tax 3).

## IBM 67 Key Keyboard Support

The ScanMaster POS Workstation now supports the IBM 67 Key Keyboard. In this release the Keyboard Configuration Screen displays with the new "IBM 67 Key Configurator" menu selection.



When selected, the IBM 67 Key Configurator screen appears. The configuration screen has both a horizontal and a vertical slider bar so the desired portion of the keyboard can be accessed for configuration.



In addition, the Hardware Devices Tab that is selected during the ScanMaster install now displays with the renamed "IBM 50 or 67 Key" selection under Keyboards.

The screenshot shows the 'Devices' configuration window with three tabs: 'General', 'Devices', and 'Payment/Loyalty System'. The 'Devices' tab is active. A callout box points to the 'Keyboard Selection' option, which is now 'IBM 50 or 67 Key' (previously 'IBM 50 Key').

**Renamed Selection (Previously IBM 50 Key)**

**Keyboard Selection**

- IBM 50 or 67 Key
- Full Touch
- Partial Touch with 32 Key Keypad

**Printer Setup**

Enable MICR Reader

- No
- Yes

MSR Installed?

- No
- Yes

**Scanner Selection**

- Slim Scan 1200 or compatible
- NCR 78xx Scanner
- PSC MagellanSC - Serial
- PSC Quick Scan - Serial
- PSC Table Scanner/Scale - USB
- PSC Hand Scanner - USB

**Scanner Port Selection**

- 1
- 2
- 3
- 4

**Scanner Baud Rate**

- 2400
- 4800
- 9600

**Payment/Loyalty System**

Enter CID Mode if using CID

- None
- Mode 40
- Mode 80

2X 20 ATTACHED

- No
- Yes

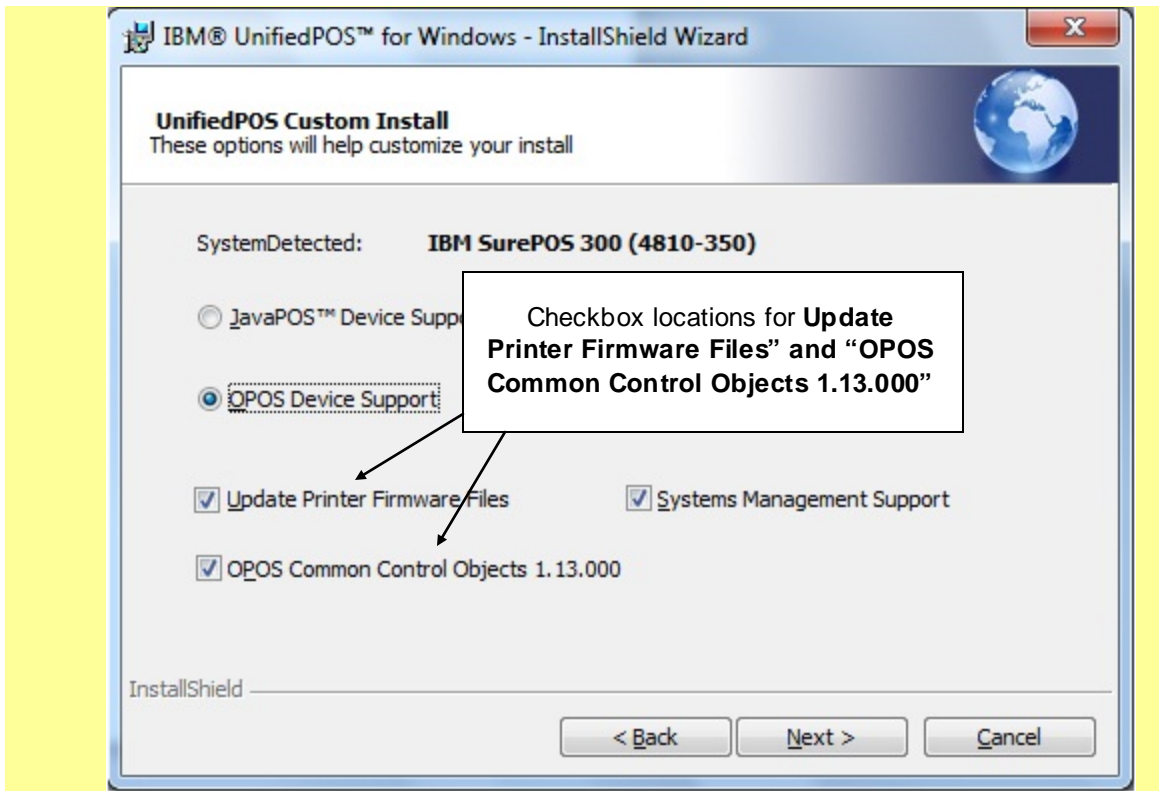
Use Sound Card/PC Speaker for Error Tone?

- No
- Yes

Exit Save

**Note:**

It is required that the retailer have IBM UPOS version 1.13.3.21092 or higher. In addition, if the printer firmware is not at level 0E.06, the **Update Printer Firmware Files** and **OPOS Common Control Objects 1.13.000** options must both be checked during the UnifiedPOS install:



# Epson TM-H2000 \ TM-H2000U Printer Support

ScanMaster now supports the Epson TM-H2000 (RS-232) and TM-H2000U (USB) printers (on Fujitsu and HP terminals) for the following POS functions:

- Receipt Printing
- Document Printing (Endorsement Only)
- MICR Reading
- Check Voiding (using Franking Cartridge)

**Note:**

This printer does not perform check writing because it lacks the ability to rotate text by 90 degrees. It also does not have a wide enough document station to write checks in landscape orientation. The "ENABLE CHECK WRITING (Y/N)" setting in the Media Configurator must be set to "No" for all media.

**Note:**

Please reference the *Epson OPOS v268E Installation.pdf* document on the StoreNext website for the new OPOS installation.

**Note:**

The HP rp5800 will be fully supported (through a MakeHP setup utility) in ScanMaster 2.09.00-050. There will be a Technical Bulletin issued soon on how to configure the devices on an HP rp5800 for ScanMaster 2.08.00-050 and above.

## Other Modifications

- The Accounts Receivable module has been modified in this release. The Post Finance Charges, Month End Close and Statement Printing applications have been changed so that date entry (i.e. 4-digit year and a “ / ” separator) is consistent with other ScanMaster applications.

02/15/2012

- The Address 2 line (from the Customer Maintenance record) now prints when on Account Receivable statements are generated.

\*\*\* Statement \*\*\*

BOB'S MARKET  
1650 OCEAN PARK BLVD.  
SANTA MONICA, CA 90405  
310 452-2493

Date  
02-14-2012  
Account No.  
000000000001

JOHN SMITH  
555 MAPLE ST.  
APT 2B ← Address 2 Line  
CRANBERRY PA 15086

\$ \_\_\_\_\_  
Amount Remitted

Please Detach and Return this Portion with your Payment

Date	Code	Reference	Charges and Credits	Balance
0-30 Days	31-60 Days	61-90 Days	91+ Days	Amount Due
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

# Technical Reference Appendix

## Database Changes

The GR2CUST.BTR file has been modified in this release to define a customer's receipt delivery method (see page 3).

Field Name	Data Type	Field Length	Default Value	Limits	Comments
ReceiptDelivery	String	1	Zero-fill	Only numeric	RJ 0F 0, 1 or 2.

The new GR2PSECR.BTR file holds the new POS Enhanced Security Data (see page 15). Each record within this file will contain an Employee ID and a data block of Boolean access flags representing the POS functions assigned a numeric value. The records are uniquely identified by the combination of the Employee ID.

The following changes have been made to the Transaction Log in this release:

<i>Receipt Image Data</i>						
<b>Transaction #</b>	<b>8</b>	<b>1</b>	<b>8</b>	<b>NUM</b>	<b>RJ0</b>	
<b>Date</b>	<b>6</b>	<b>9</b>	<b>14</b>	<b>NUM</b>	<b>RJ0</b>	<b>mmddyy</b>
<b>Time</b>	<b>6</b>	<b>15</b>	<b>20</b>	<b>NUM</b>	<b>RJ0</b>	<b>hhmmss</b>
<b>Record Code</b>	<b>1</b>	<b>21</b>	<b>21</b>	<b>ALP</b>	<b>LJS</b>	<b>¥ (165)</b>
<b>Receipt Line Number</b>	<b>6</b>	<b>22</b>	<b>27</b>	<b>NUM</b>	<b>RJ0</b>	<b>1 to 99</b>

<i>(Receipt line Number 000000)</i>						
<b>Email Flag</b>	<b>1</b>	<b>28</b>	<b>28</b>	<b>NUM</b>	<b>RJ0</b>	<b>0, 1, or 2 8b</b>
<b>Customer Account</b>	<b>12</b>	<b>29</b>	<b>40</b>	<b>NUM</b>	<b>RJ0</b>	
<b>Email Gift Activation Slips</b>	<b>1</b>	<b>41</b>	<b>41</b>	<b>NUM</b>	<b>RJ0</b>	<b>0 or 1</b>
<b>Email Store EFT Slips</b>	<b>1</b>	<b>42</b>	<b>42</b>	<b>NUM</b>	<b>RJ0</b>	<b>0 or 1</b>
<b>Email Customer EFT Slips</b>	<b>1</b>	<b>43</b>	<b>43</b>	<b>NUM</b>	<b>RJ0</b>	<b>0 or 1</b>
<b>Email Promo Coupons</b>	<b>1</b>	<b>44</b>	<b>44</b>	<b>NUM</b>	<b>RJ0</b>	<b>0 or 1</b>
<b>Blanks</b>	<b>80</b>	<b>45</b>	<b>120</b>	<b>NUM</b>	<b>0F</b>	<b>0 or 1</b>
<b>Online/Offline Flag</b>	<b>1</b>	<b>121</b>	<b>121</b>	<b>ALP</b>	<b>LJS</b>	<b>N or F</b>

<i>(Receipt line Number 000001 - 999999)</i>						
--	--	--	--	--	--	--

<b>Receipt Type</b>	<b>1</b>	<b>28</b>	<b>28</b>	<b>NUM</b>	<b>RJ0</b>		<b>8a</b>
<b>Flag - Double High</b>	<b>1</b>	<b>29</b>	<b>29</b>	<b>NUM</b>	<b>RJ0</b>		
<b>Flag - Double Wide</b>	<b>1</b>	<b>30</b>	<b>30</b>	<b>NUM</b>	<b>RJ0</b>		
<b>Flag - UPC Barcode</b>	<b>1</b>	<b>31</b>	<b>31</b>	<b>NUM</b>	<b>RJ0</b>		
<b>Flag - Knife Cut</b>	<b>1</b>	<b>32</b>	<b>32</b>	<b>NUM</b>	<b>RJ0</b>		
<b>Flag - Logo</b>	<b>1</b>	<b>33</b>	<b>33</b>	<b>NUM</b>	<b>RJ0</b>		
<b>Reserved</b>	<b>6</b>	<b>34</b>	<b>39</b>	<b>NUM</b>	<b>RJ0</b>		
<b>Receipt Text</b>	<b>41</b>	<b>40</b>	<b>80</b>	<b>ALP</b>	<b>LJS</b>		
<b>Receipt Line Header Info</b>	<b>44</b>	<b>81</b>	<b>124</b>	<b>ALP</b>	<b>LJS</b>		<b>8c</b>
<b>Online/Offline Flag</b>	<b>1</b>	<b>125</b>	<b>125</b>	<b>ALP</b>	<b>LJS</b>	<b>N or F</b>	

<b>8a</b>	0 - Customer Receipt	
	1 - Signature Slip (Customer Copy)	
	2 - Signature Slip (Store Copy)	
	3 - Activation Slip	

<b>8b</b>	0 - Print Only	
	1 - Signature Slip (Customer Copy)	Email Only
	2 - Signature Slip (Store Copy)	Print and Email

<b>8c</b>	Byte 1 of the Receipt Line Header Info (Position 81 in the record) is a Receipt line type. This byte can be used to further refine data processing. Currently a value of "C" denotes a Promo Coupon line type and is used in pdf processing.
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## Out of Scope

Limitations of new features in this release are listed below (and were not addressed in development).

**Note:**

The limitations below are known as of this writing, and are provided in order to assist users and support personnel to plan, install and operate the capabilities described in this document. While Retalix endeavors to ensure that this information is correct and fairly stated, no attempt is made here to catalog all limitations that could be construed or that may become known in the course of use or experience.

Enhancement	Out of Scope
Receipt Image Data to Transaction Log	The Receipt Image Data to Transaction Log Enhancements is available for the current release only (and will not be made compatible with previous ScanMaster releases).
Emailing of Receipts to Customers	<p>The Emailing of Receipts to Customers is available for the current release only (and will not be made compatible with previous ScanMaster releases).</p> <p>The E-Mailing of Receipts to Customers will not be available for transactions at Self-Checkout Terminals.</p>
Enhanced Security for POS Functions	The Enhanced Security for POS Functions feature is available for the current release only (and will not be made compatible with previous ScanMaster releases).
Optional Login Requirement for SRR Editor	The Optional Login Requirement for SRR Editor feature is available for the current release only (and will not be made compatible with previous ScanMaster releases).
SRR Summary Compare Reporting	The SRR Summary Compare Reporting feature is available for the current release only (and will not be made compatible with previous ScanMaster releases).

## Dependencies

Dependencies to utilize new features in this release are listed below.

Enhancement	Dependencies
Receipt Image Data to Transaction Log	<ol style="list-style-type: none"> <li data-bbox="430 611 1187 722">1. The POS Workstation Setting “Enable 7156 Delayed Receipt” must be set to “Yes” for each Workstation where the enhancement is to be implemented.</li> </ol>
Emailing of Receipts to Customers	<ol style="list-style-type: none"> <li data-bbox="430 806 1224 831">1. The retailer must be on the internet and have an email address.</li> <li data-bbox="430 873 1224 984">2. The retailer and their customers must have an Adobe PDF reader installed. (An Adobe PDF Reader install is located on the ScanMaster Install CD in the \Common\Adobe folder).</li> <li data-bbox="430 1026 1211 1138">3. If required in the .pdf, the retailer will need to manually create and size the filein.bmp file (or other graphic) and save it to &lt;LAN Drive:\Grocery\Email as maillogo.jpg.</li> <li data-bbox="430 1180 1187 1291">4. The POS Workstation Setting, “Enable 7156 Delayed Receipt” (Receipt Tab) must be set to “Yes” each Workstation where receipts will be emailed.</li> <li data-bbox="430 1333 1211 1444">5. The POS Workstation Setting “Enable Receipt Detail in TLOG” (Receipt Tab) must be set to “Yes” for each Workstation where the originating receipts will be emailed.</li> <li data-bbox="430 1486 1232 1541">6. The new Back Office Setting “Enable Receipt Email Option” must be set to “Yes”.</li> <li data-bbox="430 1583 1211 1694">7. If ScanMaster is responsible for emailing the receipts, the new Back Office Setting “Send Receipt Email at EOD” must be set to “Yes”.</li> </ol>

Enhancement	Dependencies
Optional Login Requirement for SRR Editor	<ol style="list-style-type: none"> <li data-bbox="428 459 1208 527">1. The new Back Office Setting "Enable SRR Login" must be set to "Yes".</li> </ol>
Alternate Phone Number Lookup using the UMI/UCI Interface	<ol style="list-style-type: none"> <li data-bbox="428 669 1192 783">1. The UMI / UCI interface must be used with a processor which supports the Customer ID Type: 1-Phone Number and can accept the responses through the UMI Type U record.</li> </ol>
Illinois Tax Forgiveness for Electronic Food Stamps	<ol style="list-style-type: none"> <li data-bbox="428 924 1219 991">1. Taxes 1, 2 and 3 need to be configured for items (as considered valid in Illinois).</li> </ol>
IBM 67 Key Keyboard Support	<ol style="list-style-type: none"> <li data-bbox="428 1081 964 1108">1. IBM UPOS version 1.13.3.21092 or higher.</li> <li data-bbox="428 1148 834 1176">2. Printer firmware at level 0E.06.</li> </ol>



# Retalix



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