






The logo for ISS 45, consisting of the letters 'ISS' in a large, bold, black sans-serif font above the number '45' in a large, bold, black serif font, all enclosed within a thin black rectangular border.

-  *Release Notes & What's New*
-  *ISS45 8.1.6.0-050*
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ISS45 Release Notes & What's New

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August 2010	45001/081	89000587	8.1.5.0-080 Release
September 2010	45001/081	89000590	8.1.5.1-060 Release
February 2011	45001/081	89000613	8.1.5.2-050 Release
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Introduction

Enhancements were recently made to the StoreNext ISS45 system. The changes are reflected in the accompanying ISS45 8.1.6.0-050 software. The Change Request Document (CRD) number assigned to each enhancement is listed in the description heading.

The Change Request Document (CRD) number assigned to each enhancement is listed in the description heading. Following the change description is an abbreviation (or combination thereof) of the ISS45 area affected:

(BO) – Back Office

(POS) – WinPOS

(Sys) – System / Services

These enhancements are explained in detail in the following pages and are not included in the latest Office Users Guide, WinPOS User Guide or Office Administrator's Reference. If you have any questions regarding this release, please contact StoreNext Support.

158716 – Drivers License Age Validation (FO/POS)

A customer's birth date can now be read from the driver's license 2D barcode and inserted into an ISS45 transaction. The date is used for age verification on age restricted items and eliminates the need for the cashier to manually enter the customer's birth date.

Note:

Two-dimensional (2D) barcode symbology is a technology used for compactly storing and retrieving information. These barcodes can be found on the back of drivers' licenses and are encoded with secure text data. A scanner that supports 2D barcodes is required. The parsing agent is not currently supported to read driver's licenses from all 50 states.

Front Office

Checkout Banks Maintenance

In support of this feature, a new Customer Age Verification Settings section has been added to the Checkout Banks Maintenance Screen's General Tab:

Checkout Banks

Checkout Bank Group No.:

Description:

Max percentage of tills to upgrade Simultaneously: Front End Terminals

Price List:

Linked POS | Open Loan Amount | Taxes | **General Parameters**

Q-File Parameters

Customer Age Verification Settings

q-load Prompt time out:

Customer Age Verification Settings

Read 2D Barcode for Age Verification

CC for manually entered Date of Birth:

General Options

PLU Group - Sort By:

Suppress Receipt Printing:

Automatic Secure Mode/Sign Off:

Number of minutes before automatic secure mode/sign off:

The following new fields appear:

Field	Description
Read 2D barcode for Age Verification	Check this field to allow the scanner to read the 2D barcodes for Age Verified items. If left unchecked, the cashier will be prompted to manually enter the customer's birth date.
CC for manually entered Date of Birth	The selected desired Control Check to issue on the POS after the 2D barcode is declined and the cashier manually enters customers Date of Birth.

POS

New POS Message

When the POS is linked to a checkout bank flagged to “Read 2D barcode for Age Verification”, the following screen appears on the Cashier Display:



The cashier scans the customer driver's license using the 2D barcode scanner. The third-party parsing agent parses the information and sends the customer's date of birth back to the POS to validate the age-restricted item.

If the Cancel/Clear key is pressed prior to the scan, the cashier is prompted for the manual entry of the customer's birth date. If the new "CC for manually entered Date of Birth" parameter (see above) is set, the designated Control Check is issued. If the Control Check is satisfied (and the customer is not underage) the item is added to the transaction.

New Birth Date Indicators

When the POS is linked to a checkout bank flagged to “Read 2D barcode for Age Verification”, the date of birth parsed from a scanned customer's drivers license appears both on the Cashier Electronic Journal and the customer receipt next to an “S” indicator (for “Scanned”). A manually keyed date of birth appears next to a “K” indicator (for “Keyed”).

Supervisor #999				
Coke - 12 pack			\$4.99	T
DEPOSIT A-1-				
1 @	2 FOR	\$2.00	\$1.00	F
Pepsi			\$1.50	F
Bag-O-Ice			\$0.99	F
Age Confirmed - 11/22/1972 S				
Miller Lite 12PK			\$6.99	T
Bag-O-Ice			\$0.99	F
5	Items		\$16.97	Balance Due

"Scanned" date of birth indicator

Age Confirmed - 11/22/1972 S

167124 – Magazine Issue Number Capture (FO/POS)

ISS45 now has the ability to read the issue number printed on a magazine's barcode to track the issue of the magazine is being sold and capture it in the TLOG file.

In previous releases, only the magazine's UPC-A barcode was scanned and its supplemental 2-digit (Issue Number) barcode was ignored. Until now the magazine's barcode and issue number were not recorded in the TLOG.

Barcodes for U.S. based magazines typically contains a twelve digit Universal Price Code (UPC) number, followed by a second barcode containing a 2-digit issue number. The barcodes are broken down in the following the following:

- 1) 2-digit Number System character, usually a "0" or "7"
- 2) 5-digit Vendor ID number
- 3) 5-digit Bipad or Product ID number
- 4) 1-digit Check Digit Number
- 5) 2-digit Issue Number

For example, a magazine barcode of "0-71486-02555-9-12", "0" is the Number System character, "71486" is the Vendor ID, "02555" is the Bipad number, "9" is the Check-Digit number and "12" is the Issue Number.

Note:

The 2-digit issue number varies with the issue published in a given year. For example a monthly magazine typically makes use of the issue numbers 01 through 12 for each of the 12 months of the year. Similarly, a bi-monthly makes use of the numbers 01, 02, 03, 04, 05, 06. A special issue, such as a buyer's guide or annual can be assigned the next number in sequence. For example, "13" may be assigned for a monthly special issue or "07" for a bi-monthly special issue. An issue number must be unique during a given year but can be repeated in subsequent years.

Front Office

Barcode Programming Maintenance

In support of this feature, a new Barcode Type of “Publication” has been added to the Database Management folder’s Barcode Programming Maintenance Application:

The screenshot shows the 'Barcode Programming' application window. The 'Barcode Type' dropdown menu is set to 'Publication'. A callout box with an arrow points to this dropdown menu, containing the text 'Barcode Type of "Publication"'. The 'Basic Setup' section is visible, showing three field configurations:

Field Type	Field Name	Offset	Length
Field Type 1	PLU Number	1	11
Field Type 2	Check Digit	12	1
Field Type 3	Issue Number	13	2

The following fields appears in Barcode Programming Screen for Barcode Types of “Publication”:

Field	Description
Field Type (1 through 3)	For Barcode Types of Publication , click the field’s selection arrow and select one of the following three fields to assign to a barcode field segment: PLU Number, Check Digit or Issue Number.

Note:

The Field Types must be setup in the order in which they appear in the barcode, which will be validated by ensuring the Offsets are in the proper order. The value in any one Field Type field cannot appear in another Field Type field.

Field	Description
Offset (1 through 3)	<p>For Barcode Types of Publication, enter the number of positions (from the first position), that contain the PLU Number, Check Digit or Issue Number.</p> <p>Note: The Offset/Length values for one Field Type cannot overlap with the Offset/Length values for another Field Type.</p>
Length (1 through 3)	<p>For Barcode Types of Publication, beginning with the Value Offset (above), enter the number of positions that contain the PLU Number, Check Digit or Issue Number of the corresponding Field Type (1 through 3).</p> <p>Note: The value of all Length fields added together cannot be greater than the value in the Barcode Length field.</p>

POS

When a cashier scans a magazine's barcode and the scanner is programmed to read the supplemental barcode, the POS will retrieve the entire barcode, including the issue number. If a matching publication barcode is found (as defined in Barcode Programming Maintenance), the PLU, Check Digit (if applicable) and Issue Number are extracted from the barcode and written to the TLOG through the PLU Sale Extension Record (0x11) transaction.

Note:

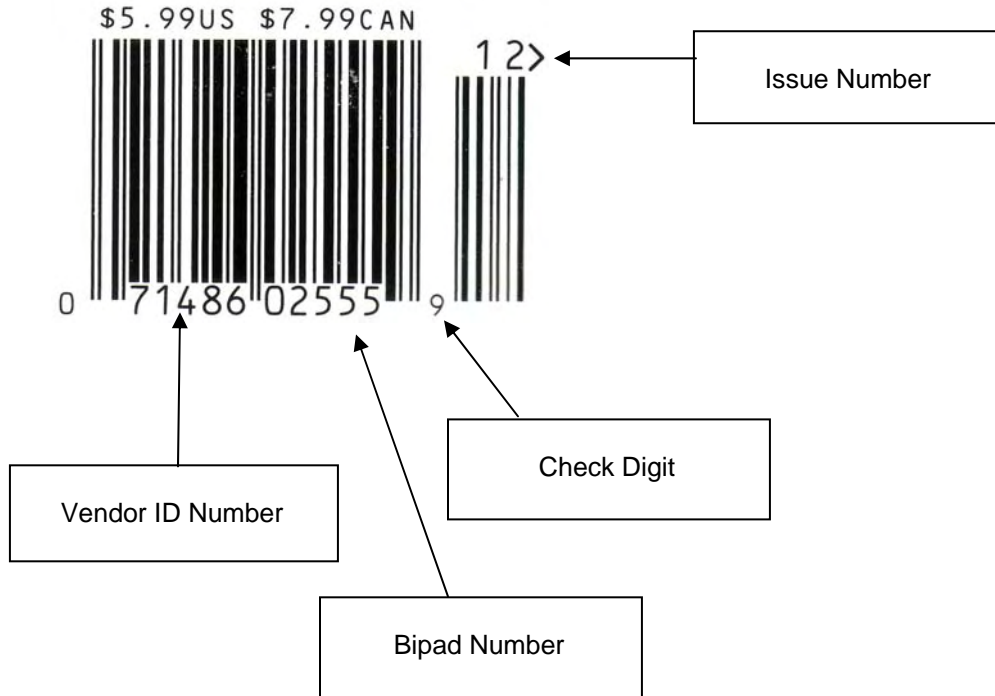
It is the store's responsibility to program the scanners to read the supplemental barcode format.

Note:

Manual entry of the supplemental barcode (2-digit issue number) is not supported.

Barcode Example

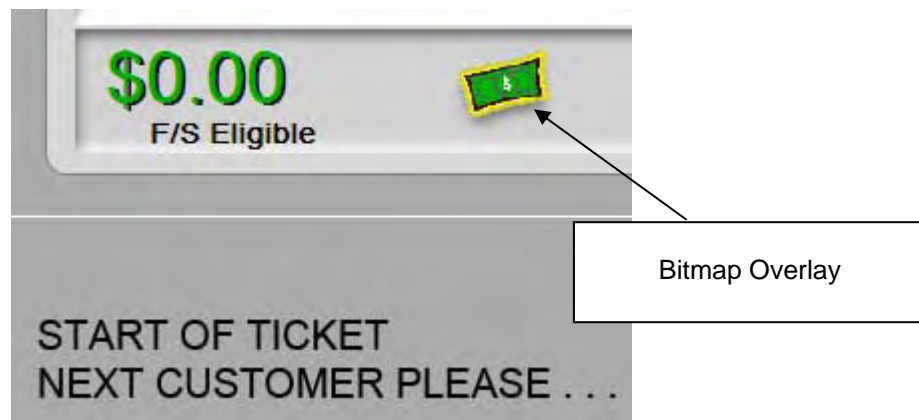
Below is an example of a magazine's supplemental barcode:



247941 – Cashier and Customer Display Enhancements (POS)

Enhanced graphics and a new Windows font feature are available in this release to improve the clarity of the cashier and customer displays. When enhanced graphics are enabled:

- The main POS Cashier Display background and button images are replaced.
- The default Customer Display background is replaced.
- The yellow pop-up error screen is replaced.
- Numeric keypad buttons simulate a button press when touched (see below).
- The following, commonly used cashier PPM (POSWare Presentation Manager) screens are overlaid with bitmaps to update the fonts in that area (except in systems where Fuel is enabled):
 - Start Of Ticket. Next Customer Please...



- Frequent Shopper Transaction
- Enter Code / Dept
- Enter Tender
- Change Amount
- Touch-screen spacing between numeric buttons are reduced to eliminate unused space.

- The “StoreNext” logo is displayed in cashier and customer receipt area.
- The splash screens are changed to reflect current copyright information and appropriate logos.

When the Windows Font feature is enabled, Windows Fonts are used for most screen area text elements as defined in the following sections within the new Font.ini file:

- MAIN_FONT
- BIG_FONT
- SPECIAL_FONT
- STATUS_FONT
- ALT_FONT
- HUGE_FONT
- ALT1_FONT
- ALT2_FONT
- ALT3_FONT
- ALT4_FONT
- ALT5_FONT
- MENU_FONT
- BALANCE_FONT
- MENU_LIST_FONT
- FULL_RCPT_TTL_FONT
- MENU_TOUCH_FONT

To enable both new features when upgrading to 8.1.6.0-050:

- The default Font.ini file provided by StoreNext must be present in the C:\Program Files\POSWare\WinPOS folder.
- The following lines must be added to the WinPOS.ini file (located in the same folder as the Font.ini file):
DispMode800Enhanced=Yes
Use_Windows_Font=Yes

Note:

On new ISS45 installations, the **DispMode800Enhanced** line is set to “No” and the **Use_Windows_Font** line is set to “Yes” in the WinPOS.ini file.

Note:

Enhanced graphics are only supported in 800x600 color display mode.

Note:

Enhanced images are stored in a new “Images800-ENH” folder on the POS terminal: C:\ Program Files \ POSWare \ WinPOS \ Data \ images800 \ Images800-ENH. The macro images (tender and flipchart graphics) are stored in two different sub-folders depending on the WinPOS.ini setting of TouchPanelColumns=(1 or 2). The graphics are slightly different to account for the different button contours.

Cashier Display (Sale Mode) Example




StoreNext logo

Numeric Keypad Button Press

Cashier Display (Tender Mode) Example



Customer Display Example

12/15/2011		4:20PM		Terminal: 1		Cashier: Evgeni Malkin	
							
Greeting Card		\$2.99					
ITEM ONE!		\$2.99		F			
Total Savings		Sub Total:		\$5.98			
\$0.00		Tax:		\$0.00			
Weight		Balance Due:		\$5.98			

Other Enhancements

- 235579 – The “Send Ticket by Email” option that sends accumulated email receipts online to customers has been restored in this release.

Technical Reference Appendix

SQL Changes

New Fields to Existing Tables

The following new fields have been added to existing ISS45 tables in Release 8.1.6.0-050.

Table	Field Name	Type	Range	Default	CR
CHKOUT_BANK	READ_2D_BARCD_FOR_ AGE_VERIF	Bit		0	158716
	CC_FOR_MAN_ENTR_DOB	Tinyint			

Out of Scope

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

Note:

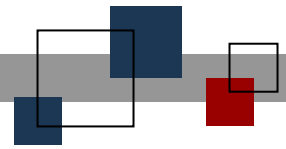
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FSD Number	Enhancement	Out of Scope
158716	Drivers License Age Validation	Changes made to support Drivers License Age Validation were made for the current release only (and will not be made to previous ISS45 releases).
247941	Cashier and Customer Display Enhancements	Changes made to support the Cashier and Customer Display Enhancements were made for the current release only (and will not be made to previous ISS45 releases).

Dependencies

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

FSD Number	Enhancement	Dependencies
158716	Drivers License Age Validation	1. Scanners programmed to read the supplemental barcode format.
247941	Cashier and Customer Display Enhancements	1. The default Font.ini file provided by StoreNext must be present in the C:\Program Files\POSWare\WinPOS folder. 2. The following lines must be added to the WinPOS.ini file (located in the same folder as the Font.ini file): DispMode800Enhanced=Yes Use_Windows_Font=Yes



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