



Release Notes & What's New

ISS45 8.1.7.0-120



ISS45 Release Notes and What's New

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Introduction

Enhancements were recently made to the Retalix ISS45 system. The changes are reflected in the accompanying ISS45 8.1.7.0-120 software. The Change Request Document (CRD) number assigned to each enhancement is listed in the description heading. Following the change description is an abbreviation of the ISS45 area affected:

(FO) – Front Office

(POS) – WinPOS

(Sys) – System

The enhancement is explained in detail in the following pages and is 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 Retalix Support.

401795 – XML Extract for Living Naturally (Sys)

The ISS45 Trickle Feed mechanism has been enhanced in this release to facilitate creating an export file during end-of-day processing containing transaction data for the Living Naturally Loyalty host system.

When enabled, a custom TF_PARAM.XML file is created during end-of-day and a new hook application (LNTlogRef.exe) reformats the XML file into the (Living Naturally Loyalty Genius) XML format.

Note:

The new LNHUK.bat file is a hook batch file used to call the LNTlogRef application. The C:\PCMASTER\e-of-day.bat file must be modified to add a call to the LNHUK.bat file during end-of-day processing.

Add the following lines (in **bold**) to the e-of-day.bat file (below the preceding section listed):

```

.*****
echo Call to TFServer to run its EOD process | pcmlog32 /macro2
TFServer /EOD
cls
txtfile #e-of-day.bat #21 #TFSRVEOD #8
:TFSRVEOD
.*****

rem Living Naturally export
.*****
echo Call LNHUK.bat to run its EOD process | pcmlog32 /macro2
if exist LNHUK.BAT call LNHUK.BAT
cls
txtfile #e-of-day.bat #21 #LNHUK #8
:LNHUK
.*****

```

Note:

The new LNTlogRef.exe.config file is used as a configuration file for the LNTlogRef.exe application.

The LNTlogRef.exe application creates the tran.xml file and places it in C:\PCMASTER\LIVINGNATURALLY folder. For archiving and future reprocessing (if needed), the Trickle Feed extract file (TREODyyyymmdd.xml) is moved to the C:\PCMASTER \

LIVINGNATURALLY \ History folder and the tran.xml is copied to C:\PCMASTER \ LIVINGNATURALLY \ History folder (and renamed using the **tran.xmlyyyymmdd** convention).

The LG Transaction Data XML File format has the following header and detail layout:

XML Root Node <GroupHeader/>

Field	Use	Notes
DataFile	Required	Value = "TRAN"
AdapterVer	Required	Version of the adapter
ConfigVer	Required	Version of the XML Schema

XML Child Node <TransactionHeader/>

Field	Use	Notes
TransactionDT	Required	[YYYY-MM-DDThh:mm:ss] Date and time of transaction.
StoreNum	Required	Identify store where the transaction took place.
TerminalNum	Required	Identify terminal where the transaction took place.
Currency	Required	3 character ISO Currency Code.
CardID	Required	Loyalty card number (14 digit Code 128 Barcode)
MemberNum	Optional	Additional Key used for systems without a CardID relationship between transactions and customers
ReceiptNum	Required	Unique number assigned by the POS system for this transaction.
PaymentType	Optional	Code indicating how the customer paid (cash/check/ credit card/on account/etc)
TotalRetailDols	Required	Total Dollars Before Total Tax Dollars
TotalTaxDols	Required	Tax Dollars Only.
TotalUnits	Required	Number of units purchased
TotalLines	Required	Number of transactional entries on receipt

XML Child Node <TransactionDetail/>

Field	Use	Notes
ProductCode	Required	Unique ID for product. Must be value scanned by POS system. Must also be value that relates to the Product data.
UPC	Required	Universal product code
SKU	Optional	Stock Keeping Unit
ItemDescription	Optional	Product Description
ItemCategory	Optional	Product Category
Quantity	Required	Number of Units Purchased
Cost	Optional	Last cost (Wholesale)
Retail	Optional	Normal retail price per each
ExtRetail	Required	Quantity X Retail

401797 – Custom Loyalty Member Cards (FO/POS)

ISS45 is now able to flag and write custom loyalty cards to the TLOG that are scanned at the POS for enrolling into the Living Naturally Loyalty Program. Once written, this data can be extracted and sent to the host (in the Loyalty Genius Transaction Data XML File – see above) for populating the customer database.

Note:

Customers cards scanned are validated using existing ISS45 Card Range Maintenance functionality. Once the customer number has been added to the central database, additional customer enrollment data can be updated at the host. The customer record is then sent to the stores to be imported into the ISS45 member card database using General Batches.

Front Office

New Parameter

As part of this feature a new parameter has been established. The following General System Parameter is located in the Store \ POST \ General folder.

Parameter	Explanation
Enable Custom Loyalty Card Feature	When set to “Yes”, loyalty member cards scanned at the POS (but not in the member database) will be flagged and written as a new customer in the TLOG.

POS

If the new General System Parameter “Enable Custom Loyalty Card Feature” is set to ‘Yes’, when a Living Naturally Loyalty card number entered into a ticket is not in the local database, the POS sets a new customer bit in the 0x60 0x3B (TRS_CLUBCARD_EXT) transaction record in the TLOG and writes the custom loyalty number to the new 0x80 0x1A transaction (at the end of the ticket).

The POS also supports the following events in tickets where Living Naturally Loyalty Cards have been entered:

- Member card voids
- Cancelled tickets
- Suspended and recalled tickets
- Ticket recovery after power failure
- Manual entry of member card number

Note:

For member card voids and cancelled tickets, the 0x80 0x1A transaction will not be written to the TLOG

401799 – Serialized Coupon Support (FO/POS)

ISS45 now supports the tendering of serialized coupons (i.e. a 15-digit EAN 128 barcode coupons uniquely issued to a customer by the Living Naturally Loyalty Program).

Note:

Customers may receive “one use only” coupons via email, text message or as paper mail. The barcode contains the customer number, amount or transaction-level discount and an expiration date.

Front Office

New Parameters

As part of this feature new parameters have been established. The following General System Parameters are located in the Store \ POST \ General folder.

Parameter	Explanation
Enable Serialized Coupon	When set to “Yes”, the POS is able to accept Serialized Coupons as a tender in Tender Mode.
Serialized Coupon Tender Number	Select the tender to use for reporting serialized coupons that are redeemed at the POS. (Note: In Tender Maintenance, the Tender Number must be between 1 and 25 and the Tender Type must be set to “Cash”).

New Keyboard Function

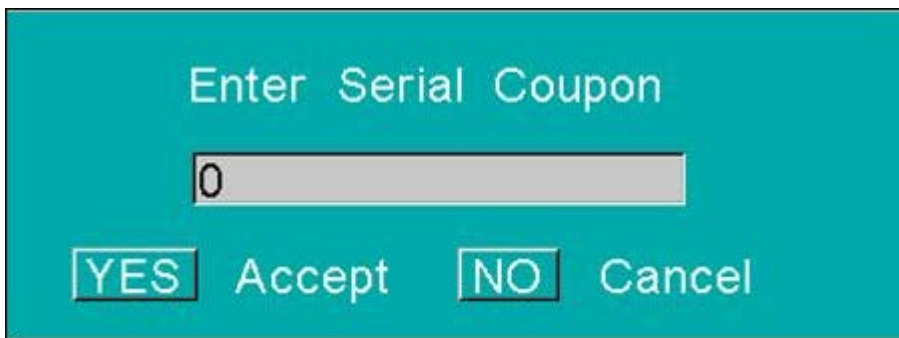
Keyboard Function 1462 (Serialized Coupon) has been added in this release for the scanning of a Serialized Coupon in Tender Mode.

Note:

It is the store’s responsibility to add Keyboard Function 1462 to the Menusys.mac/xml file for cashier selection in Tender Mode at the POS.

POS

When the new General System Parameter “Enable Serialized Coupon” is set to ‘Yes”, serialized coupons can be scanned by calling new Keyboard Function 1462 in Tender Mode (before any other tenders are accepted).



The coupon is then applied to as much of the sale as can be redeemed before other tenders are accepted. (The coupon tendered pays for any tax due on the discounted amount.)

Note:

Coupons are validated and redeemed locally through a SQL table (populated with serial coupon numbers via Retailix HQ) using FC messaging. At tendering of the coupon, the POS sends a message to the Front Office that the coupon status should be updated to a “Pending” status. At the end of the ticket, for any coupons validated and applied to the ticket, the POS sends a message to the Front Office that the coupon status should be updated to “Redeemed”. The SQL table is then updated with redemption details. If the ticket is cancelled after the coupon is validated or if the coupon is validated but then voided before the end of the ticket, the “Pending” coupon returns to an “Unused” status.

Note:

The coupon cannot be tendered for more than the transaction amount due. If the coupon has a \$10.00 value and the ticket total is \$8.00, only \$8.00 can be applied to the sale. No change is given.

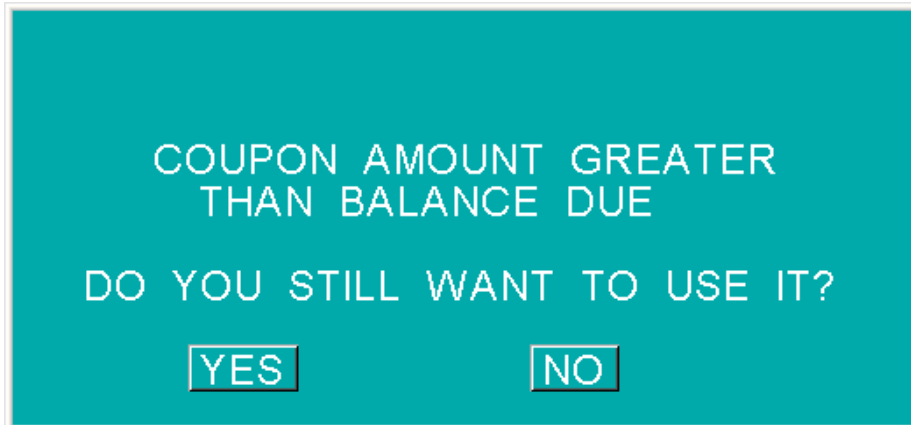
Error and Informational Messaging

The following serial coupon processing error messages will appear on the POS based on their accompanying scenario:

- When Keyboard Function 1462 is executed and the General System Parameter “Enable Serialized Coupon” is set “No”, the “**Serial Coupon Interface Not Enabled!**” will display.
- When Keyboard Function 1462 is executed and the General System Parameter “Serialized Coupon Tender Number” has not been established, the “**Serial Coupon Tender Not Configured!**” message will display.

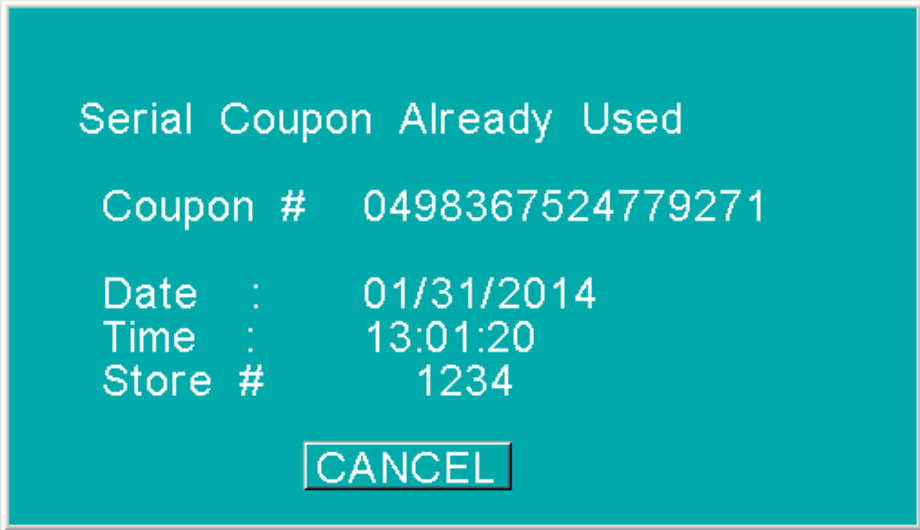
- When Keyboard Function 1462 is executed and the General System Parameter “Serialized Coupon Tender Number” has been established with a tender type other than “Cash”, the **“Serial Coupon Tender is not Cash Type!”** message will display.
- If the POS is offline to the MFS when processing a serialized coupon, the **“POS is Offline!”** message will display.
- When Keyboard Function 1462 is executed and the POS is not in Tender mode, the **“Serial Coupon Only Allowed in Tender Mode!”** message will display.
- If there is an error processing the coupon, the **“Error Selling Serial Coupon!”** message will display.
- If the serialized coupon is not found in the database, the **“Invalid Serial Coupon!”** message will display.
- If other tenders have been accepted before a serialized coupon is attempted to be tendered, the **“Serial Coupon Tender Must Be First in Ticket!”** message will display.

If the amount of the Serialized Coupon exceeds the ticket total, the coupon will be redeemed for the ticket amount (not the full available value of the coupon). In this case, the following warning question will be shown to the cashier.

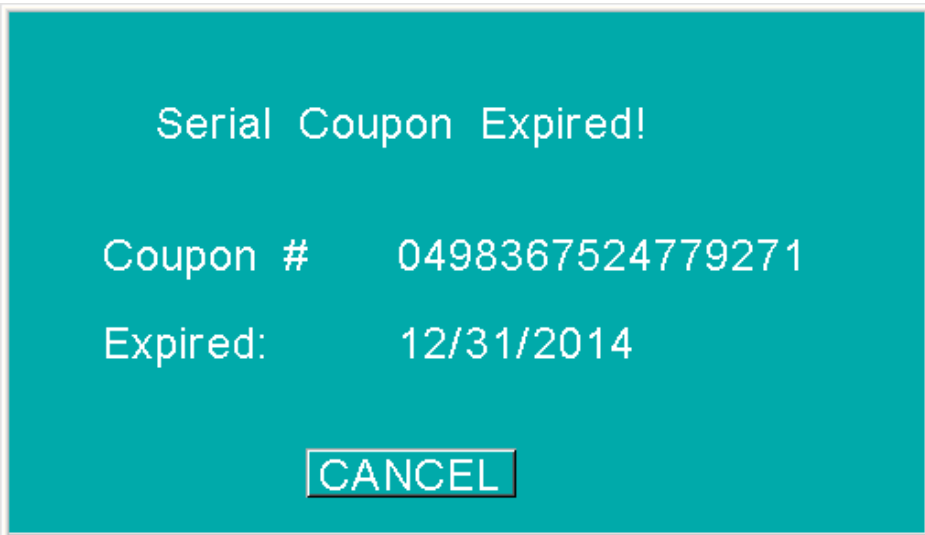


If ‘No’ is selected, the coupon will not be redeemed.

If entered coupon has already been redeemed, the following message will be shown, containing the coupon number, and the date, time and store number where the coupon was redeemed (and the coupon is not accepted).



If the entered coupon is expired, the following message will be shown (containing the coupon number and expiration date) and the coupon will not be accepted.



Technical Reference Appendix

TLOG Modifications

A new bit in the Clubcard Extension transaction (0x60 0x3B) designates a new Live Naturally Loyalty Card has been entered into the ticket.

Bytes	From	To	Data	Bits	Explanation	Remarks
1	0	1	Opcode		60 – Log Information	
1	1	2	Function		0 X 3B – Clubcard Extension	
1	2	3	Flag	bit 0	Bio FreqShop flag	
				bit 1	Clubcard ext 2	
				bit 2	New Custom Loyalty Card	Live Naturally Loyalty Card
				bit 3	Nu_001	
				bit 4	Nu_001	
				bit 5	Nu_001	
				bit 6	Nu_001	
				bit 7	Nu_001	
40	3	43	PBT Customer Name			
1	43	44	Loyalty State			
20	44	64	Tail			
64			Total			

A new TLOG Transaction (0x80 0x1A) is used to record the new Living Naturally Loyalty card number scanned at the POS (but not in the local database).

Bytes	From	To	Data	Bits	Explanation	Remarks
1	0	1	Opcode		80	
1	1	2	SubOpcode		0x1A	
7	2	9	Card Number			BCD
35	9	44	Reserved			
20	44	64	Tail			
64			Total			

A new TLOG Transaction (0x80 0x1B) used to record Living Naturally Loyalty Program Serialized Coupons tendered at the POS.

Bytes	From	To	Data	Bits	Explanation	Remarks
1	0	1	Opcode		80	
1	1	2	SubOpcode		0x1B	
8	2	10	Coupon Number			BCD
4	10	14	Coupon Amount			Redeemed Amount
2	14	16	Coupon Status			
28	16	44	Reserved			
20	44	64	Tail			
64			Total			

A new bit in the Media Extension Record transaction (0x14) designates a tendered serial coupon.

Bytes	From	To	Data	Bits	Explanation	Remarks
1	0	1	Opcode record		14 – Media extension	
2	1	3	Number			
1	3	4	Fee type			
1	4	5	Table Number			
1	5	6	Flag 1			
				bit 0	Tender_req_add_fee	
				bit 1	Fee Tender	
				bit 2	Payment is change	
				bit 3	MICR used	
				bit 4	WIC Tax Exempt	
				bit 5	Tender Correction	
				bit 6	Duplicate Receipt	
				bit 7	Barcoded tender	Coinstar
21	6	27	Extension Description			
9	27	36	Bank Account			
6	36	42	Check Number			
1	42	43	Flag 2			
				bit 0	Deposit	
				bit 1	Withdrawal	
				bit 2	Coupon Coin Sale	

Bytes	From	To	Data	Bits	Explanation	Remarks
				bit 3	opt_bag_refund	
				bit 4	Cashback balance	Cashback balance transaction
				bit 5	EFT_ext	
				bit 6	EFT Force Transaction	
				bit 7	Debit savings	
1	43	44	Flag			
				bit 0	PIN used	
				bit 1	Tender rewarded	
				bit 2	Pre-Auth	Fuel PrePay
				bit 3	Pre-Auth Complete	Fuel PrePay Complete
				bit 4	Pre-Auth Voided	Fuel PrePay Voided
				bit 5	Serialized Coupon Tender	
				bits 6-7	Not Used	
20	44	64	Tail			
64			Total			

Out of Scope

A limitation of the new feature in this release is listed below (and was 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 Retailix 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.

FSD Number	Enhancement	Out of Scope
401795	XML Extract for Living Naturally	Enhancements made for the XML Extract for Living Naturally were made for the current release only (and will not be made to previous ISS45 releases).
401797	Custom Loyalty Member Cards	Enhancements made for Custom Loyalty Member Cards were made for the current release only (and will not be made to previous ISS45 releases).
401799	Serialized Coupon Support	Enhancements made for Serialized Coupon Support were made for the current release only (and will not be made to previous ISS45 releases).

