DataIX Users Guide

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Contents

Introduction

DataIX is an import/export tool for RetailStar. It uses a tab-delimited ASCII file format. It can be run manually or set up to run automatically using Windows Scheduler.

In addition to the standard sales import and product export format, DataIX can be used to send item data from RetailStar to InfoGenesis and sales data from InfoGenesis back to RetailStar:

➢ DataIX will import sales using the InfoGenesis R_M_SALES format. The InfoGenesis *Menu Item ID* must be a valid RetailStar alias UPC between 1 and 9999999, and the Profit Center ID must be a valid RetailStar store number. If the R_M_SALES field 7 (quantity) is zero, the line is ignored.

➢ DataIX will also export all new or changed items in the InfoGenesis MI_IMP format. The InfoGenesis Menu Item ID must be a valid RetailStar alias UPC between 1 and 9999999. When a single RetailStar item has more than one Menu Item ID as an alias UPC, a separate record is exported for each one. Revenue Category ID, Product Class ID, and many other values can be altered in DataIX Export Products.

The Exporting Data section under "Using the Data Import/Export Utility" will explain how to set up DataIX based on whether you want to use the standard format or if you will be using InfoGenesis.

Please note:

☐ If you are using DataIX with RetailStar version 9.7.90 and you have more than one web store defined, DataIX will not work properly.

☐ When importing H type receipts, if the employee ID does not exist in RetailStar, you will not be able to process the order.

☐ Although DataIX will import H type receipts alongside an active i.STAR store, this configuration has not been tested. If you wish to import H type receipts with an i.STAR store, please contact your account manager for more information.

What does DataIX Do?

• Exports RetailStar items
• Imports cash-and-carry sales and returns
• Imports sales orders - RetailStar Accounting will generate pick tickets and invoices from these transactions
• Can be automated to run unattended and look in a specific folder for files to import; it will also export items in unattended mode
• Performs certain error checks on incoming data and logs problems; it will also segregate out unprocessed, invalid transactions to be corrected and reprocessed

Import Receipts

For transactions that are already complete and require no order fulfillment processing, you can import sales as receipts. Transactions are also referred to as cash-and-carry sales. Set the transaction code to 'S' for a

sale or to 'R' for a return. You will need at least one L (line) record and one P (payment) record in addition to the H (header) record. A C (customer) record is also valid for these transaction types. If the ID provided cannot be found, a new customer record is created. Customer records are not updated by this process.

DataIX can be set up to run on the main or the remote, but it does not need to be run at each individual location. Sales for all locations can be imported on the RetailStar main, potentially simplifying the setup. Sales imported on the main will be communicated to the remotes during polling.

Import Web Orders

Transactions imported with a type of 'H' are imported through i.STAR daily order processing into RetailStar Accounting as sales orders. From there, pick tickets can be generated and invoices created when goods are ready to be shipped to the customer.

Export Items

Importing sales and web orders requires that RetailStar items be referenced in the 'L' (line item) record of the transaction. Export items provide a simple tab-delimited file that includes cost, price, and description for items in your RetailStar system. If you need additional data, it can be extracted from RetailStar using ODBC.

Setup and Planning

Import of cash-and-carry sales and returns is limited to stores defined as *virtual* in RetailStar Store Maintenance. This precludes any 'real' stores which ring sales and communicate with the main through the polling process. Import of sales orders is limited to stores defined as *web stores* in RetailStar Store Maintenance.

The following values must only be set up in RetailStar for ***sales order imports***:

• i.STAR Shipping Methods - Enter shipping options (you must enter at least one). If you don't ship but are using DataIX to process web or phone requests, the ship method can be 'pick up at store' or something equally simple.
• i.STAR Payment Options - Enter payment options that will appear in 'W' portion of record (see below).
• Store Maintenance - Assign at least one *web store*.
• i.STAR setup> General tab - Internet Register, Internet Employee, Ship From Store and Fullfillment Store.

File Structures

DataIX record and field requirements for unprocessed sales orders are different from those of completed sales and returns.

All files have a file ID record that identifies the source of the file and the file date as well as a unique processing ID for the file. This is to prevent duplicate processing of transactions and to provide the basis for an audit trail for sales import activity.

Customer & Item ID's

• Customer ID in the Customer record of the DATAIX import file must be a valid Freeform_ID in the RetailStar CUSTOMER table.
• DATAIX import file Line Record SKU/UPC field may be either a valid PRODUCT_SIZE.SKU or ALIAS_UPCS.ALIAS.

Sales/Sales Order Import File

Records

There are six (6) valid records in a DataIX import file. Records begin with a record identifier and end with an ASCII (hex OA) new line or line feed, \n. Between the record identifier and the line feed are fields separated by tabs \t, (hex 09).
The six valid records are:
• R- Receipt File ID - Occurs once on first line of the file; contains unique file ID and creation date
• H - Receipt Header - Contains what kind of transaction this is, transaction totals, and number of line items to follow
• C - Customer - The customer record is the record for the purchaser. Items purchased may be shipped to someone else; the ship_to portion of the 'W' record contains the shipping destination and recipient. This data is written as one of many 'ship to' addresses for the customer. A valid customer and ship to is required.
• P - Payment
• L - Line Item
• W - Web Order Info

For a cash-and-carry sale or return, the correct record order for each transaction is: H,C,L,P. For a sales order import, the correct record order for each transaction is: H, C, L, W.

A ***transaction type*** is defined as a cash-and-carry sale, return, or sales order by field 3 (Sales Code) in the Receipt Header record. 'S' indicates a cash-and-carry sale, 'R' indicates a cash-and-carry return, and 'H' indicates a sales order.

Cash-and-Carry Sales (S and R transactions)	Sales Order (transactions)
H record field 3 is 'S' or 'R'	H record field 3 is 'H'
Required records:L (one or more); P (one or more)	Required records: C (one); L (one or more); W (one)
Customer requirements: none If customer is not found, it is added. No customer updates are performed.	Customer requirements: valid customer, or sufficient information to create new customer including complete customer ship to address. Both customer and ship to address are looked up to see if they already exist. Customer data is not updated.

Additional Rules Regarding 'S,' 'R,' and 'H' Transactions

- Valid Store_No must exist (1-999)
- Valid Date - Four-digit year, no future dates; MM-dd-yyyy or MM-dd-yyyy:hh:mm:ss
- Valid Item (RetailStar SKU or Manufacturer UPC (also known as Alias UPC in RetailStar) must exist
- Item must be 'S' (sold) or 'R' (returned)
- Valid Selling Price - non-negative decimal value (0.00 is OK)
- Valid quantity sold/returned - integer (sales positive, returns negative)
- Duplicate File - Unique ID (see File Header) has already been imported

Field By Field

File Header char length 1 'R'			
Unique ID	M	Any length.	Alphanumeric, any length. Each file must have unique ID. Two files with the same ID cannot be imported the second file will be rejected.
File ID	M	IMPRCPT1.2	alphanumeric
Create Date	M	Date file created	MM-dd-yyyy:hh:mm
Create Location	O	Location ID of source	Alphanumeric, any length
Start Date	O	First Sales transaction timestamp contained in the file	MM-dd-yyyy:hh:mm
End Date	O	Last Sales transaction timestamp contained in the file	MM-dd-yyyy:hh:mm

Date Format Examples:

Date	Correct Format for DataIX
May 1st 2002 8:32 PM	05-01-2002:20:32
April 30, 2004	04-30-2004:00:00
1 December 2003 11:15:0001 am	12-01-2003:11:15

Import File to DB Mapping - Sales Code 'H'

M - Mandatory
O - Optional
B - Leave Blank
X - Record not supported for that transaction type

Field	H	S/R	Field Type	Comments
Header Char length 1 'H' - always required				
Store No	M	M	integer	This store must exist in RetailStar stores maintenance. For transaction type 'S' or 'R" the store must be defined as virtual, for transaction type 'H' the store must be defined as a web store.
Cashier	0	O	Alphanum-eric; length 16	Must be a legitimate employee ID (e.g. EM0000000000000023). If not supplied the import employee in DataIX setup is used. The iSTAR web employee in iSTAR setup is not used.
Sales Code	M	M	Char length 1 {S, R, H}	Defines transaction type.S = Sale - a sale may contain lines of type 'S' and 'R'. R= return lines of type 'R' only allowedH = web sale lines of 'S' only - though Line record sales type may be left blank in 'H' transaction type.
Sales Date	M	M	Timestamp	Sales date may not be in the future. Mm-dd-yyyy:hh:mm format required.
Sub Total	M	M	Decimal 15,2	Total of all lines for this transaction. 'S' & 'R' (ship_qty * selling price), 'H' (qty * selling price).
Tax Total	M	M	Decimal 15,2	Total of tax amount for all lines for this transaction. (Record L field 11)

Payment Totals	B	M	Decimal 15,2	Total of all P records field 2 for this transaction
Freight Total	O	O	Decimal 15,2	Any freight associated with this transaction
Handling Total	O	O	Decimal 15,2	Any handling fees associated with this transaction
GST Total	O	O	Decimal 15,2	Canadian GST tax amount; GST tax must be defined for transaction store
PST Total	O	O	Decimal 15,2	Canadian PST tax amount; must be defined for transaction store

Customer* char length 1 ‘C’ - one required for each ‘H’ record when transaction type is ‘H,’ optional for ‘S,’ ‘R’ transaction types.

Customer ID	M2	O3	Alphanumeric; length 20	RetailStar Freeform_ID
Last Name	O	O	Alphanumeric; length 30	
First Name	O	O	Alphanumeric; length 30	
Middle Name	O	O	Alphanumeric; length 30	
Address 1	O	O	Alphanumeric; length 50	
Address 2	O	O	Alphanumeric; length 50	
Company Name	O	O	Alphanumeric; length 50	
City	O	O	Alphanumeric; length 30	
State	O	O	Alphanumeric; length 10	
Zip	O	O	Alphanumeric; length 10	
Phone	O	O	Alphanumeric; length 10	

Phone 2	O	O	Alphanumeric; length 10	
Email	O	O	Alphanumeric; length 254	
Date of Birth	O	O	Date MM-dd-yyyy	
Mailing List	O	O	Char length 1 (T,F)	
Gender	O	O	Char length 1 (M,F)	
Store	O	O	Integer (1-999)	
Line Item char length 1 'L' - at least one - always required for each 'H' record				
SKU/UPC	M	M	Alphanumeric; length 20	valid RetailStar SKU or ALIAS
Qty Ordered	M	M	Integer	For transactions of type 'S;' 'R' always the same as ship_qty
Qty Shipped	B	M	Integer	
Selling Price	M	M	Decimal 15,2	Price customer paid for the goods or services.
Retail Price	M	M	Decimal 15,2	Retail price at time of sale. A discrepancy between this and selling price usually indicates a discount given on the item.
Sales Associate	O	O	Alphanumeric length 16	Must be legitimate RetailStar employee ID - import employee will be used if left blank.
Cost	M	M	Decimal 15,2	Cost valuation for item being sold. Gross profit will be calculated as selling price - cost.
Sales Code	O	M	char length 1 (S, R)	If H record transaction type 'S,' both 'S' and 'R' are valid for each line - though a transaction type of 'S' requires at least one line sales code of 'S.' If an item were exchanged you would have two L records - one of type 'R' for the goods being returned and one of type 'S' for the goods leaving the store.
Description	O	O	alphanumeric length 30	Description of goods being sold.
Taxable	M	M	char 1 (T,F)	Whether sales & use taxes are applicable.

Tax Amount	M	M	Decimal 15,4	Total tax amount for item or items (two 50.00 items being sold with 5% tax rate would have 5.00, i.e. (50 * .05) * 2.
GST Amount	O	O	Decimal 15,4	GST taxes for this item
PST Amount	O	O	Decimal 15,4	PST taxes for this item
Tax_Table_ID	M	M	Integer	STAR tax ID applicable for this item in this store.

W	Web Order Info char lenghth 1 'W' ONLY 1 required for each 'H' record of type 'H'

0		M	X	'W'	
1	Masked Credit Card	O	X	varchar (50)	Can be last 4 or a XXXXXXXX#### representation of last 4
2	CC Expiration Month	O	X	Integer	MM
3	CC Expiration Year	O	X	Integer	YYYY
4	Approval Code	O	X	varchar (50)	Transaction approval code
5	Payment_Name	M	X	varchar (50)	Name of payment option. Must be legit i.STAR Payment Option
6	Notes	O	X	Longvar	Any instructions or explanations that accompany the order
7	Ship First	M	X	varchar (30)	
8	Ship Last	M	X	varchar (30)	
9	Ship_Company	O	X	varchar (50)	
10	Ship_Add1	M	X	varchar (50)	
11	Ship_Add2	O	X	varchar (50)	
12	Ship_City	M	X	varchar (30)	
13	Ship_State	M	X	varchar (10)	
14	Ship_Zip	M	X	varchar (10)	
15	Ship_Country_Code	O	X	varchar (3)	Has to exist in i.STAR country_codes table (USA usually zero '0')
16	Ship_Phone	O	X	varchar (10)	
17	Ship_Rate	O	X	Integer	Rate to be charged for freight
18	Ship_Name	O	X	varchar (50)	Name of i.STAR shipping method must be iSTAR ship method

19	Ship_Start_Amount	O	X	Decimal 15,2	Used when a given sales range is used to control the ship rate (e.g., $0-100 = $5.00 freight, $100-250 = $7.50 freight charge, etc.)
20	Ship_End_Amount	O	X	Decimal 15,2	See previous comment
21	Coupon_Code	O	X	varchar (15)	Any coupon or discount code that applies to the transaction
22	Alias	O	X	varchar (36)	X-Web Transaction ID/X-Charge Alias - X-Web trans ID is 12 digit numeric, but this field is left more broadly defined for non-X-Web usage
23	Xweb_avs_response	O	X	varchar (100)	X-Web AVS response
24	Xweb_cvv2_response	O	X	varchar (100)	X-Web CVV2 response

Payments char length 1 'P' - at least one required for each 'H' record				
Payment Type	X	M	Char length 1	Must exist in RetailStar Payment Types
Payment Amount	X	M	Decimal 15,2	
Payment Date	X	M	Timestamp	Can be MM-dd-yyyy or MM-dd-yyyy:hh:mm

* If Bill To Customer is the same as Ship To Customer, 'C' record can be empty. Customer data is picked up from 'W' record.

** Freeform ID

Single Sale H Type Receipt Format

RUniqueID-tab-DataIXreceiptVersion-tab-createdate-tab-createlocation(opt)-tab-StartDate(opt)-tab-EndDate(opt)**-newline-**
HStore#-tab-Cashier-tab-SalesCode(H)-tab-SalesDate-tab-SubTotal-tab-TaxTotal-tab-PaymentTotal-tab-FreightTotal(opt)-tab-Handling(opt)-tab-GST(opt)-tab-PST(opt)**-newline-**
CFreeformID-tab-LastName(opt)-tab-FirstName(opt)-tab-MiddleName(opt)-tab-Address1(opt)-tab-Address2(opt)-tab-Company(opt)-tab-City(opt)-tab-State(opt)-tab-Zip(opt)-tab-Phone(opt)-tab-Phone2(opt)-tab-Email(opt)-tab-DoB(opt)-tab-Mailinglist(opt)-tab-Gender(opt)-tab-Store(opt)-tab-Country(opt)-tab-TaxID(opt)**-newline-**
LUPC/SKU-tab-QTYordered-tab-blank-tab-sellingprice-tab-retailprice-tab-salesassociate(opt)-tab-cost-tab-salescode(opt)-tab-description(opt)-tab-taxable-tab-taxamt-tab-GST(opt)-tab-PST(opt)-tab-TaxTableID(opt)**-newline-**
Wcreditcardnumber-tab-CCexpirationmonth-tab-CCexpirationyear-tab-CVV2-tab-PaymentName-tab-notes-tab-Shiptofirstname-tab-shiptolastname-tab-shiptocompany(opt)-tab-shipaddress1-tab-shipaddress2(opt)-tab-shipcity-tab-shipstate-tab-shipzip-tab-shipcountrycode(opt)-tab-shipphone(opt)-tab-shiprate(opt)-tab-shipname(opt)-tab-shipstartamt(opt)-tab-shipendamt(opt)-tab-coupon(opt)**-newline-**

Samples

A sample ‘R’ file header record:

```
RCAMTEST00004   IMPRCPT1.2       04-24-2004:14:06
```

A sample transaction of type ‘S’- This example illustrates the discount feature (Selling Price vs. Retail Price):

```
H1 EM00001000000056 S 01-02-2011:00:00:00 78.80 0.00 78.80 0.00 0.00 0.00 0.00
L65315
C484-3156 YEGANEH AZURA 9 BROKEN LANE BROOKEVILLE NY 11545 01-14-1990 F M 1
L5139850201 1 1 22.80 22.80 EM00001000000063 11.48 S HEATHER LEGGING F 0.00 0.00
0.00 1
L5584240301 1 1 10.50 23.60 EM00001000000063 7.90 S L/S NVY ASST F 0.00 0.00
0.00 1
L5520520101 1 1 7.00 17.55 EM00001000000063 7.65 S LEGGING F 0.00 0.00 0.00 1
L5584240301 1 1 10.50 23.60 EM00001000000063 7.90 S L/S NVY ASST F 0.00 0.00
0.00 1
L453933001017 1 1 10.50 22.00 EM00001000000063 10.40 S PONTE LEGGING F 0.00 0.00
0.00 1
L5517860101 1 1 17.50 36.40 EM00001000000063 12.00 S BLK LEATHER BOMBER F 0.00
0.00 0.00 1
PCASH 78.80 01-02-2011:00:00:00

Payment line total must equal receipt total in Header (e.g. 78.80)
Discount value is the difference between Line fields 4 and 5.
```

A sample transaction of type ‘H’

```
H1            H      04-22-2004:07:36:34       2780.00      125.12        0.00

C00000009781333
L400100000090 1             695.00  695.00        0.00          TUX     T      31.28          0
L400100000137 1             695.00  695.00        0.00          TUX     T      31.28          0
L400100000212 1             695.00  695.00        0.00          TUX     T      31.28          0
L400100000250       1             695.00       695.00              0.00          TUX    T
31.28         0
WXXXXXXXXXXXX7200  01  2006  0  CC  MARY  &  DAVID  JONE  22  DUCK  LAKE  DR  22  DUCK  LAKE  DR
EARLYSVILLE    VA   22936  0 0 UPS Ground
```

Item Export File

Field	RetailStar Source	Comments
File Header		
Store	setup.store_no	Integer (1-999)
Date	system clock	Customer US/British format mm/dd/yyyy hh:mm (am/pm)
'STAR PLU Export'		
Delimiter	Tab	
List of Fields in Order	Vendor, Style, Color, etc. as shown below	To assist in mapping data if necessary
Record Layout		
Vendor	product_size.vendor_no	varchar 5
Style	product_size.stylevendor_no	varchar 15
Color	product_size.colorvendor_no	varchar 5
Size	product_size.garment_sizevendor-_no	varchar 15
Width	product_size.widthsvendor_no	varchar 15
SKU (/ Item No) UPC	product_size.item_novendor_no	Integer
Department	product.department	varchar 10
Class	product.class	varchar 6
SubClass	product.subclass	varchar 6
Category	product.category	varchar 15
Season	product.season	varchar 6
Cost	active_inv.avg_cost	decimal 15,2
Retail Price	product_size.retail_price*	decimal 15,2
Description	product.description	varchar 30
UPC	product_size.sku	varchar 20

Getting More Data from RetailStar

RetailStar uses a standard SQL database accessible through ODBC. ODBC user and password are both **STARUSER**. Most data in your system are available through ODBC. Assistance is available through RetailStar support and project management services.

InfoGenesis Files

Product Export and Receipt Import also support the InfoGenesis formats MI_IMP.TXT and R_M_SALES.TXT. Details are available in the InfoGenesis document File_Export_Import.PDF.

InfoGenesis and RetailStar data are quite different; for example, no numeric identifiers are required for data entry in RetailStar, but most InfoGenesis IDs are not only integers but also are limited to values of 1-20, 1-255, or 1-999. InfoGenesis' unique product ID, Critical Menu Item ID, is stored as an ALIAS_UPC in RetailStar. Actual manufacturer UPCs are also stored in this way. The length of the ID is the only way to determine which is which.

Exporting RetailStar Inventory

File Name: MI_Imp.TXT
File Format: Comma delimited; text is quoted and currency begins with '$' and contains a decimal. Note in Sales Import File below currency does NOT contain a '$.'
Hierarchical Data: Department, Class, and Subclass are hierarchical; only Department is required. Therefore, if either Class or Subclass is chosen as the value for a field in product export, NULL values will be filled in by the first non-null parent value. So if Subclass is NULL but Class is not, the Class value will be provided; if Class is NULL, the Department value will be provided.

Seq	Valid Data	Format	Req / Opt	Description	Source RetailStar Data
1	“A”, “U”,”D”	Text	Req	Add, Update	Use PRODUCT.DTS, MODIFIED_DTS see below - delete will not be supported at this time.
2	1-9,999,999	Numeric	Req	Menu Item ID	Defined in Setup {PRODUCT_SIZE.ALIAS_UPC (etc) see below
3	Varchar(50)	Text	Opt	Menu Item name	Defined in Setup {PRODUCT.DESCRIPTION (etc) see below
4	Varchar(7)	Text	Opt	Menu Item Abbr1	Defined in Setup {STYLE (etc) see below
5	Varchar(7)	Text	Opt	Menu Item Abbr2	Defined in Setup {MODEL_ID (etc) see below
6	Varchar(16)	Text	Opt	MI Kitchen Printer Label	Defined in Setup {Short Description (etc) see below
7	**		Opt	Price Levels {Price level,$Price,}	{ACTIVE_INV.STORE_NO, ACTIVE_INV.RETAIL_PRICE…}
8	1-999	Numeric	Opt	Product Class ID	Defined in Setup {PRODUCT.DEPARTMENT, CLASS, SUBCLASS (etc) see below}
9	1-20	Numeric	Opt	Revenue Category ID	Defined in Setup {Category, Dept, Class, SubClass, Group, <int> 1-20 (etc) see below}
10	1-255	Numeric	Opt	Tax Group ID	Defined in Setup { Tax Code (etc) see below}
11	0-9	Numeric	Opt	Security Level ID	<Blank>
12	1-255	Numeric	Opt	Report Category ID	<Blank>
13	1 or 0	Numeric	Opt	Use Weight Flag	0
14	0.0000 – 99999.9999	Numeric	Opt	Weight Tare Amount	0
15	Varchar(30) or NULL	Text	Opt	SKU	Defined in Setup {@NULLVALUE(ALIAS_UPCS.ALIAS, PRODUCT_SIZE.SKU) (etc) see below}
16	1-255	Numeric	Opt	Bar Gun Code	<blank>
17	$9999999.99	Currency	Opt	Cost Amount	ACTIVE_INV.COST_PRICE (source store = main store)
18	1 or 0	Numeric	Opt	*Reserved*	<blank>
19	1 or 0	Numeric	Opt	Prompt for Price FLAG	@DECODE(OPEN_PLU,'Y',1,0)
20	1 or 0	Numeric	Opt	Print on Check Flag	<blank>
21	1 or 0	Numeric	Opt	Discountable Flag	ACTIVE_INV.DISCOUNT (source store) ‘Y’ = 1, ‘N’ = 0
22	1 or 0	Numeric	Opt	Voidable Flag	1
23	1 or 0	Numeric	Opt	Not Active Flag	0

Seq	Valid Data	Format	Req/Opt	Description	Source RetailStar Data
24	1 or 0	Numeric	Opt	Tax Included Flag	0
25	1-255	Numeric	Opt	Menu Item Group ID	Defined in Setup {Group (etc) see below}
26	Varchar(16)	Text	Opt	Customer Receipt Text	Defined in Setup {@SUBSTRING(DESCRIPTION,0,16) (etc) see below}
27	1 or 0	Numeric	Opt	Allow Price Override Flag	Same as discountable flag
28	1-255	Numeric	Opt	*Reserved*	<blank>
29	n/a		Opt	Choice Groups	<blank>
30	n/a		Opt	Kitchen Printers	<blank>
31	0-25		Opt	Covers	<blank>?
32	0-255		Opt	Store ID	**<blank> ,** static text int 0-255 (This is the Revelation Store ID and will span all InfoGenesis Profit Centers (RetailStar Store No's for this InfoGenesis Server).

** Price Levels - May be used to signify store pricing. Field 7 will be enclosed in {} and contain comma-separated store number and price pairs, e.g. {1,$54.95,2,$54.95,3,$58.95,4,$58.95,99,$54.95}.

Exporting New and Changed Records

Export will track the last export date and use it to determine what new and modified PRODUCTS records should be exported. See page 23 of InfoGenesis File_Export_Import.pdf.

Exporting Deleted Records

At this time, deleted records are not exported. Only fields 1 and 2 are required for a deleted record ('D') and the MenuItemID.

Export Error Logging

If a PRODUCT_SIZE record does not have a valid ALIAS_UPC of length less than 8 (non-NULL, non-zero, between 1 and 9999999), the item will not be exported, and an error will be logged.

Setup Options for Item Export

Defaults are **bold**:

- Using Format {**standard**, MI_IMP}
- Menu Item ID { **ALIAS_UPC length < 8,** Location, @VALUE(@SUBSTRING(SKU,4,7)), }
- Product Class ID {**class**, subclass, Dept, Category, Group, Season, Fabric} disabled if Using Format != MI_IMP
- Revenue Category ID {**Department**, Class, Subclass, Location, GROUP, Season, Fabric, <blank>, Static Value(enter int1-20) } disabled if Using Format != MI_IMP
- Tax Group ID {**Tax ID**, <blank>, Season, Fabric, Static Value(enter int), Location } disabled if Using Format != MI_IMP
- Abbr1 { **Style**, model ID, @substring(description,0,7)} disabled if Using Format != MI_IMP
- Abbr2 { Style, model ID, **@substring(description,0,7)**} disabled if Using Format != MI_IMP

- Customer Receipt Text { Style, model ID, **@substring(description,0,16)**} disabled if Using Format != MI_IMP
- SKU {**ALIAS_UPC***, RetailStar SKU, ITEM_NO} disabled if Using Format != MI_IMP
- Substitute for UPC { **ALIAS_UPC- Menu Item ID**, (length < 8), RetailStar SKU**,** ITEM_NO} if SKU = ALIAS_UPC and no ALIAS_UPC exists this defines what to export instead PRODUCT_SIZE.ITEM_NO or PRODUCT_SIZE.SKU Control is disabled if Using Format != MI_IMP AND SKU != ALIAS_UPC
- Menu Item Group ID { **<blank>**, Group, Category, Dept, Class Subclass, Season, Fabric, Location, static text 1-255} disabled if Using Format != MI_IMP

* Manufacturer UPC length > 10

Importing InfoGenesis Sales Into RetailStar

The following file will be imported as a receipt matching as closely as possible the DataIX import for records of types ‘S’ and ‘R’:

InfoGenesis Sales Mix Export R_M_Sale
File name: unknown
Format: comma separated text is quoted; currency begins with ‘$’ symbol

There will be no customer link, and sales tax will be zero - non-tax code for store indicated by Profit Center ID; default employee is used as cashier and salesperson. Only records where field [7] !=0 will be imported.

Seq	*Length*	*Format*	*Description*	*Target RetailStar Data*
1	1	Text	“M”	
2	8	Text	Date YYYYMMDD format	RECEIPT.SALES_DATE, RECEIPT_LINE, PAYMENT, RECEIPT_TAX
3	-	Numeric	Profit Center ID	RECEIPT_LINE, PAYMENT, RECEIPT_TAX, RECEIPT.STORE_NO
4	-	Numeric	Sales Interval	
5	-	Numeric	Menu Item ID (1-9,999,999)	ALIAS_UPC.ALIAS (where length < 10) will be used to look up RetailStar SKU and all required item data for receipt. If more than 1 row is returned log an error.
6	-	Currency	Price	RECEIPT_LINE.SELLING_PRICE
7	-	Numeric	Qty Sold	RECEIPT_LINE.QTY, SHIP_QTY if Qty < Sales_Code = ‘S’ else ‘R’ If Qty is zero skip record.
8	-	Currency	Extended Price	

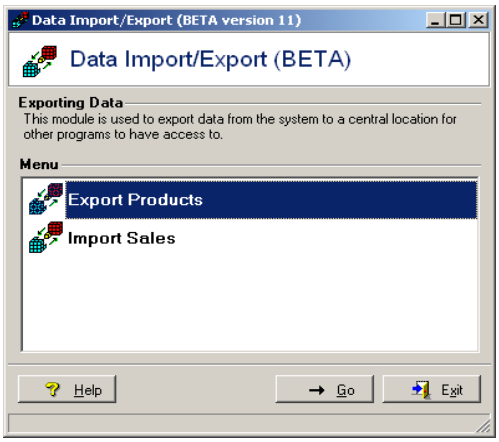
Example:

“M”,”20060208", 46, 7, 700014,$66.67,10,$666.70
“M”,”20060208",46,7,700329,$15.00,1,$15.00
“M”,”20060208",46,7,700502,$7.00,2,$14.00
“M”,”20060208",46,7,700504,$9.00,2,$18.00
“M”,”20060208",46,7,700505,$11.00,2,$22.00
“M”,”20060208",46,7,700508,$20.95,2,$41.90

Using the Data Import/Export Utility

Double-click the STAR DataIX icon on your desktop.

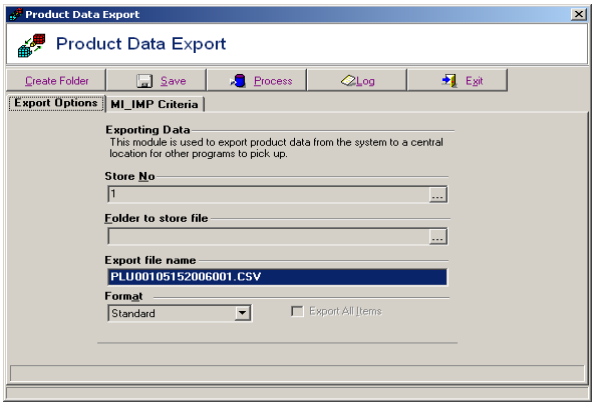
The Data Import/Export window displays.



Exporting Data

This module exports data from the system to a location you specify so that other programs can access it.

1 Make sure Export Products is selected, then click on the Go button. The Product Data Export window displays.



2 Enter the *Store No*, or click on the Browse (...) button to display the Store Selection List. Click in an option box to select the store; if using InfoGenesis, select all stores on the InfoGenesis server you are exporting to. Click on the Return button or press <F10>.

3 In the *Folder to store file* edit box, enter the directory where you want the .csv file stored (or where the InfoGenesis server will export the MI_IMP.TXT file). To create a new folder, click on the Create Folder button. This window displays.

Enter the *Name* of the folder you want to create, then click on the Ok button.

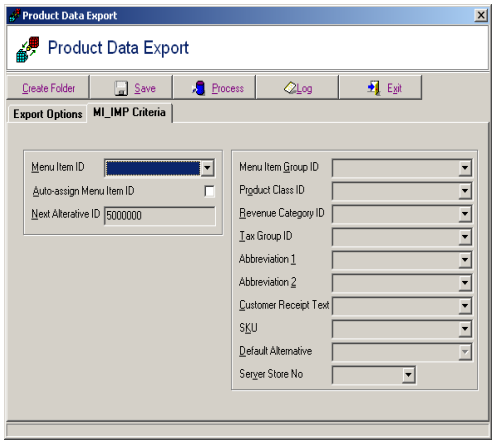
4 The *Export file name* field shows the name of the file being created.

5 The *Format* combo box defaults to Standard. If using InfoGenesis, click on the down arrow button and select MI _IMP to use the Menu Item format.

NOTE: Steps 6 through 11 only apply to InfoGenesis users. Skip to Step 12 if you are using the standard export format.

6 The *Export All Items* option box will activate. If you want to export all items and this is not the first time you have run the export, click in the box to select it. Note: This option cannot be saved as a default value for automated operation through Windows Scheduler; it is only functional when the export is run manually.

7 Click on the MI_Imp Criteria tab.



8 Click on the down arrow button in the *Menu Item ID* combo box and select Alias from the drop-down list.

9 The *Auto-assign Menu Item ID* option box will activate. Click to select it if you want menu item ID's assigned automatically.

10 The *Next Alternative ID* edit box will activate; you can modify the number if desired.

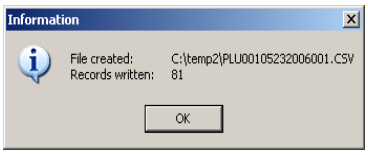
11 Set the remaining combo boxes as follows:

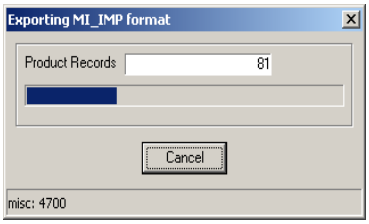
- *Menu Item Group ID* - leave blank
- *Product Class ID* - select Class
- *Revenue Category ID* - select Department

• *Tax Group ID* - select Tax ID
• *Abbreviation 1* - select Style
• *Abbreviation 2* - select Partial Description (7 Chars)
• *Customer Receipt Text* - select Partial Description (16 Chars)
• *SKU* - select Alias UPC
• *Default Alternative* - Menu Item ID or RetailStar SKU
• *Server Store No* - leave blank

12 Click on the Save button to save your entries.

13 Click on the Process button. A window similar to the following displays, depending on the selected format.





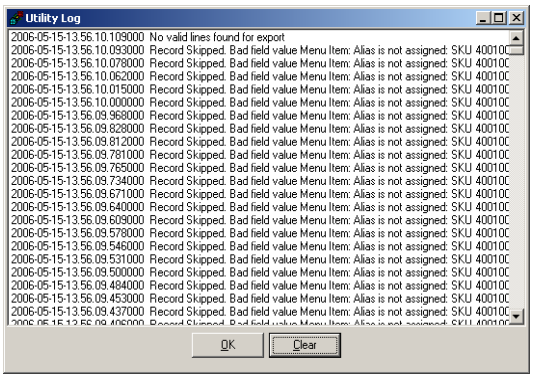
Note: If no new items have been created or changed, a prompt will display stating there is nothing to export. These dialogs will not appear if the process is being run through Windows Scheduler.

14 The .CSV or MI_IMP.TXT file will be placed in the *Folder to store file* as defined above.

15 Click on the Exit button to close the Product Data Export window.

Error Logging

Errors encountered while exporting products will be logged and can be viewed by clicking the Log button.



If selected RetailStar fields contain values invalid as InfoGenesis data for the assigned field, an error will be logged and the item will not be exported. For example, say you select the RetailStar Tax ID as the InfoGenesis *Tax Group ID* and you have Tax ID '0' (zero) defined on some items. You will receive an error as the InfoGenesis Tax Group ID must be within the range of 1-255. Or, if your Department Code for a given department is '60' and Department is exported as the *Revenue Category ID*, the item will not be exported and you will receive an error as the InfoGenesis Revenue Category ID must be within the range of 1-20.

To clear the log, click on the Clear button; at the prompt, click Yes. Click on the OK button to close the Utility Log window.

Important Note on Prices

RetailStar always stores a separate retail price for each store location. If you have more than one store on a given InfoGenesis system, you need to select ALL stores on that system when configuring your export settings. You will also need to set up a Price Level ID for each store on the InfoGenesis server using the RetailStar store number as the Price Level ID. If a product export does not contain a Price Level, the InfoGenesis server will delete it.

Automated Generation of Menu ID's

It is possible to automatically create Menu Item ID's for new RetailStar items when they are exported to InfoGenesis. If the product export configuration has *Menu Item ID* set as Alias, the application will check for a valid Menu Item ID; if none is found, it will create one. It will first attempt to use a portion of the RetailStar SKU as the Menu Item ID by dropping the checksum and truncating the leading four and store number, as shown in the examples below:

RetailStar SKU	Menu Item ID
400100042591	4295
400100042601	4260

If the truncated SKU is already in use as a *Menu Item ID*, a different number is used by incrementing the value in *Next Alternative ID* on the MI_IMP Criteria tab in the Product Export configuration.

Related RetailStar Maintenance Issues

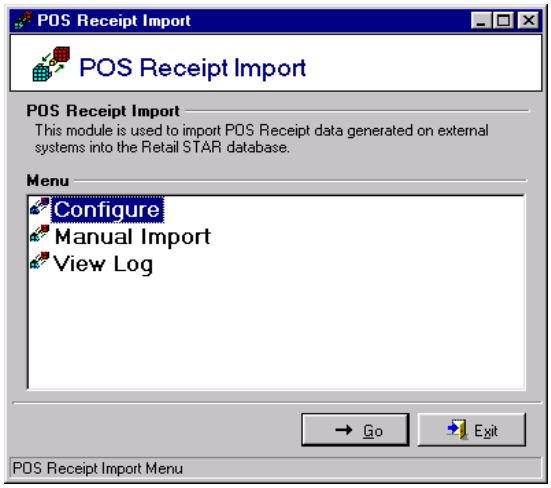
Whenever a retail identifier is created, care must be taken to ensure that no conflicts exist with InfoGenesis valid data constraints. For instance, if the RetailStar Department is used as the InfoGenesis *Revenue Category ID*, then the department ID must be a number between 1 and 20.

For a complete list of valid data limitations, see Import Export documentation for InfoGenesis.

Importing Sales Data

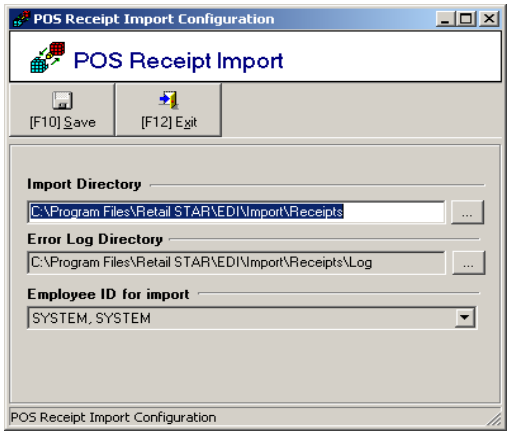
This module imports POS receipt data from external systems into the RetailStar database.

From the Data Import/Export window, select Import Sales, then click on the Go button. The POS Receipt Import window displays.



Configuration

1 To configure the import directory and employee information, make sure Configure is selected, then click on the Go button. The POS Receipt Import Configuration window displays.



2 Enter the *Import Directory*, or click on the Browse (...) button to select the directory from the pop-up window that displays. This is the folder that any automated import will check for files; it is also the default folder for manual imports.

3 Enter the *Error Log Directory*, or click on the Browse (...) button to select the directory from the pop-up window that displays.

4 Enter the *Employee ID for import*, or click on the down arrow button and select the employee from the

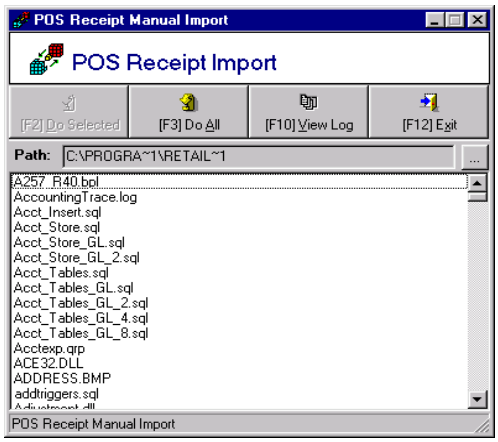
drop-down list. This employee will be used as the cashier and salesperson of the imported items. There is no security issue in leaving the default of SYSTEM SYSTEM; no password is exposed by this process.

5 Click on the Save button or press <F10> to save your entries. If you entered a directory that does not exist, you will be prompted to create a new directory. At the prompt, click on the Yes button to create it, or click on the No button if you do not want to create a new directory.

6 Click on the Exit button or press <F12> to return to the POS Receipt Import menu.

Manually Importing Receipts

1 Select Manual Import on the POS Receipt Import window. The POS Receipt Manual Import window displays.



2 Enter the *Path* of the file to import, or click on the [...] button to browse for the file.

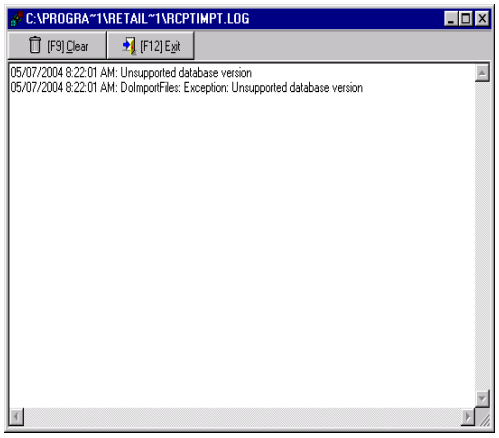
3 To import an individual file, click to select it, then click on the Do Selected button or press <F2>. -OR- To import all files, click on the Do All button or press <F3>.

4 Click on the Exit button or press <F12> to close the POS Receipt Manual Import window.

View Log

Importing R_M_SALES will attempt to create a single receipt for each location and sales day. If a record is encountered where the Menu Item ID is not an alias to a valid RetailStar item, the error is logged and a new receipt for that day is begun. Also, if the application detects a different store number or the sales date changes, the current receipt will be terminated and a new receipt begun. Therefore, it is possible to have multiple receipts for a given date and location. You may review receipt import errors using this option.

1 Click on the View Log button or press <F10>.



2 Click on the Clear button or press <F9> to clear the log data.

3 Click on the Exit button or press <F12> to close the log window. The POS Receipt Manual Import window displays.

Note: R_M_SALES lines with errors are placed in an 'err' file in the 'Backup' directory within the defined import directory. When selected for importing, files are moved to a subdirectory of the designated path 'Backup' and imported from there. In the event any or all lines fail to import, you can edit these files by clicking the ... button and right-clicking on the file. The data may be corrected using any text editor. Once the errors in the failed import file are corrected, the file may be selected for import again. You may continue to edit and import in this way until the file is completely imported. When the complete file or any portion of the file has been properly imported, it is placed in the subdirectory 'Completed.' The application recognizes files in the 'Backup' directory and overrides the Unique ID import restriction to prevent import.

Files in the specified import directory and either of the subdirectories can be viewed or deleted. Aged or imported files are not removed automatically; you must do this manually.

Automated Operation

DataIX may be called using Windows Scheduler:

1 Click on Start > Control Panel > Scheduled Tasks > Add Scheduled Task

2 When the Scheduled Task Wizard displays, click on Next, then click on the Browse button and select Program Files\Retail STAR\DataIX.exe.

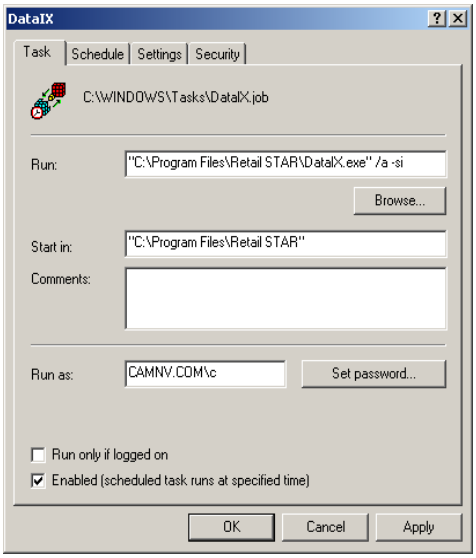
3 Click on Open. Under Perform this task, click in the *Daily* radio button and click Next. Select a *Start time* that will not interfere with polling, backup, or other maintenance tasks. Click Next.

4 In the *Enter the user name, Enter the password,* and *Confirm password* edit boxes, enter the user information under which the task will run, then click Next.

5 Click in the *Open advanced properties for this task when I click Finish* option box to select it, then click Finish.

6 Double-click in DataIX in the list of scheduled tasks to display its properties.

7 Alter the *Run* statement by appending the argument **/a -si** (for sales import) or **/a -px** (for item export). (See example below - note that the position of the quotes around the .exe do *not* include the argument).



Frequently Asked Questions

Q. Will DataIX process gift cards integrated with H type receipts?

A. Yes. DataIX will allow you to use gift cards on the Payment line (W line) when issuing, and as a selling line (L line) when redeeming. RetailStar/DataIX will not store the card number to process at completion of the invoice when redeeming. Note the following with regard to RetailStar.

On RetailStar Version 9.8 and above:
• Processing the invoice will prompt for swiping cards during issuing

On RetailStar versions below 9.8:
• Processing the invoice will not prompt for swiping cards during issuing