

ScanShark™ Data Processing

Double-click the ScanShark Processing icon located on your computers' desktop.



You will see the Main Menu appear

ScanShark Data Processing - [Main Menu]

ScanShark Data Processing 4.20

General Info

Sections

Categories

SKU Master

Data

Reports

Quit

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Inventory Science Systems

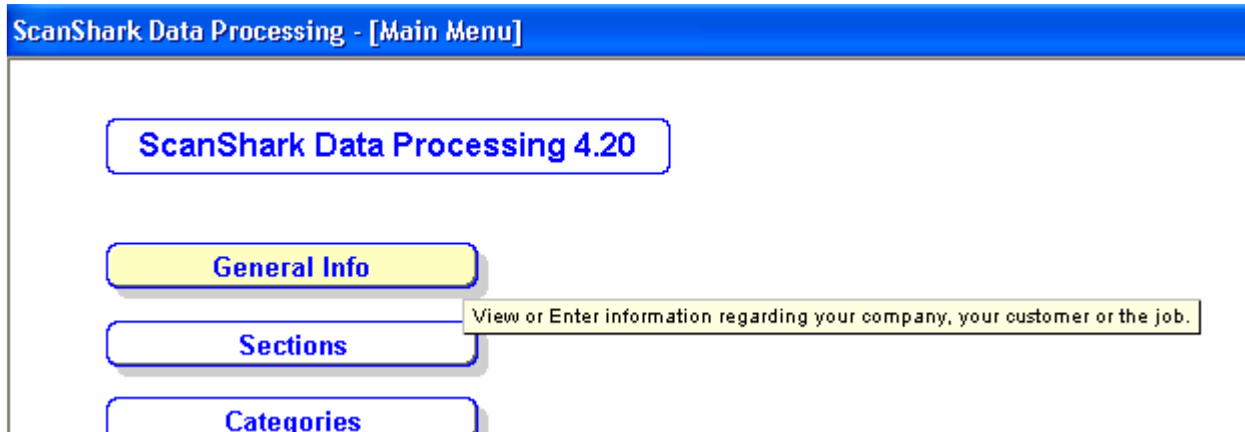
888.334.7734 toll-free

360.715.8868 outside U.S. and tech support

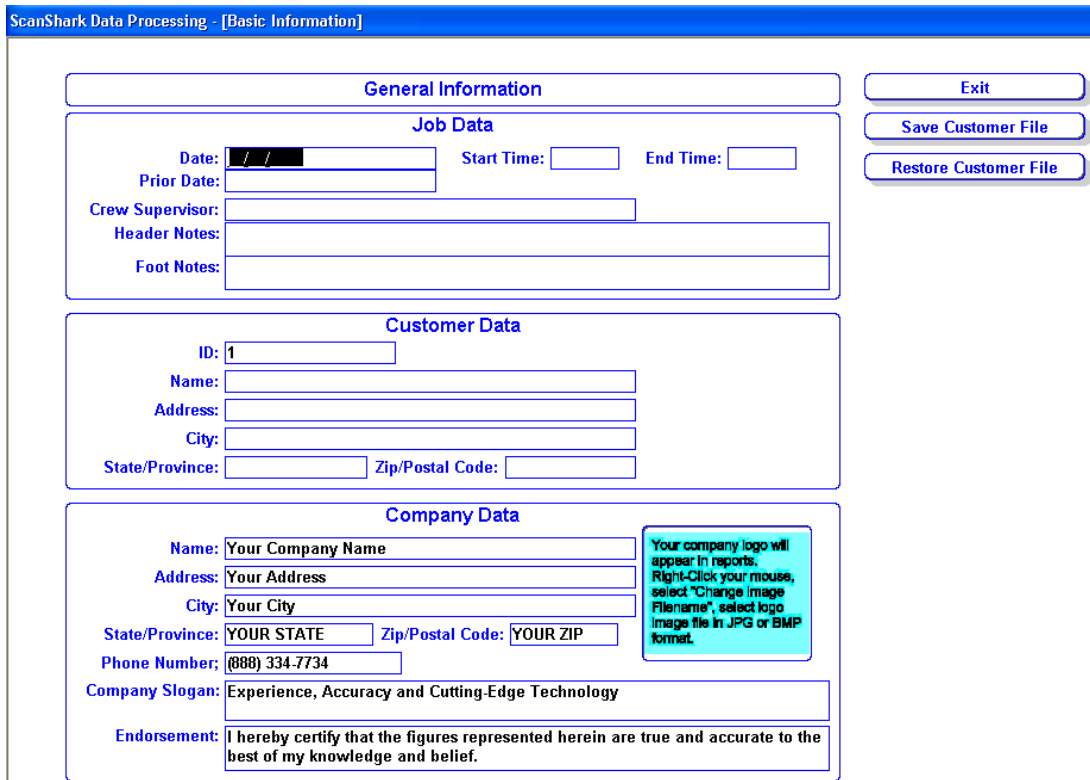
info@inventoryscience.com

This is a good time to show you how these buttons work.

When you pass your mouse pointer over a button, text will appear, telling you what that button does.



Click the “General Info” button, you’ll see the following screen.



General Information

You’ll notice that the screen is divided into three parts:

1. Job Data
2. Customer Data
3. Company Data

We’ll look at each part individually.

Job Data

General Information		
Job Data		
Date:	<input type="text" value="//"/>	Start Time: <input type="text"/>
Prior Date:	<input type="text"/>	End Time: <input type="text"/>
Crew Supervisor:	<input type="text"/>	
Header Notes:	<input type="text"/>	
Foot Notes:	<input type="text"/>	

This information will print on reports at the top of each page. “*Foot Notes*”, however, will appear only at the end of the report. This information will change for each inventory.

Date: Enter the date in the MMDDYY format, it will be converted to a format like shown above.

Prior Date: Enter the date of the previous inventory count in the MMDDYY format, it will be converted to a format like shown above. If there was no previous inventory count, ignore this field.

Start Time: The time that the inventory audit began.

End Time: The time that the inventory audit ended.

Crew Supervisor: The person in-charge of this job (your employee, not the store manager for example)

Header Notes: Any information that is important to the job.

Foot Notes: Additional notes of importance.

Customer Data

Customer Data	
ID:	<input type="text" value="1234"/>
Name:	<input type="text" value="Bills Pharmacy"/>
Address:	<input type="text" value="1234 Main Street"/>
City:	<input type="text" value="Your Town"/>
State/Province:	<input type="text" value="CA"/>
Zip/Postal Code:	<input type="text" value="91977-3456"/>

This information will print at the top portion of reports. This data is saved when you exit the “*General- Info*” screen.

ID: Each of your customers must be assigned its own unique ID. To view a list of existing customers, click the right side of the IDs’ box, a list will appear.

Name: Enter you r customers’ Company Name.

Address: Your customers’ Address

City: Your customers’ City.

State/Province: Your customers’ State or Province.

Zip/Postal Code: Your customers’ Zip or Postal code.

Company Data

Service Data	
Name:	<input type="text" value="Your Company Name"/>
Address:	<input type="text" value="Your Address"/>
City:	<input type="text" value="Your City"/>
State/Province:	<input type="text" value="YOUR STATE"/>
Zip/Postal Code:	<input type="text" value="YOUR-ZIP"/>
Phone Number:	<input type="text" value="(888) 334-7734"/>
Company Slogan:	<input type="text" value="Experience, Accuracy and Cutting-Edge Technology"/>
Endorsement:	<input type="text" value="I hereby certify that the figures represented herein are true and accurate to the best of my knowledge and belief."/>

Your company logo will appear in reports. Right-Click your mouse, select "Change Image Filename", select logo image file in JPG or BMP format.

Information about your company is entered here and will appear on the last page of your reports.

Let's start with your company logo. Look at your computers' screen. The light-blue box has instructions for selecting your company's logo. Make sure you click the button that says "Best Fit" after selecting your logo.

Name: Enter your Company Name.

Address: Your Address.

City: Your City.

State/Province: Your State or Province.

Zip/Postal Code: Your Zip or Postal Code

Phone Number: Your company's Phone Number.

Company Slogan: Your company's slogan. See the above example.

Endorsement: This makes the reports "official". See the example.

Save Customer File: Saves your customer file for future use. It is recommended to do this before upgrading the software.

Restore Customer File: Restores a previously saved Customer file.

Click "Exit". Your changes will be saved and you will return to the Main Menu.

From the Main Menu, click "Sections".

Sections

Section Descriptions

ID	Title	Area
1	Front Wall	Salesfloor
2	Right Wall	Salesfloor
3	Back Wall	Salesfloor
4	Left Wall	Salesfloor
5	Checkstand	Salesfloor
6	Table 1	Salesfloor
7	Table 2	Salesfloor
8	Table 3	Salesfloor
9	Table 4	Salesfloor
10	Table 5	Salesfloor
11	Floor Display 1	Salesfloor
12	Floor Display 2	Salesfloor
13	Floor Display 3	Salesfloor
20	Walk-In Cooler 1	Stockroom
21	Walk-In Cooler 2	Stockroom
22	Backstock 1	Stockroom
23	Backstock 2	Stockroom
24	Backstock 3	Stockroom
25	Office	Stockroom

* Click for new Section

A Section describes where something is physically located. You define the Sections to be used. There are three columns.

ID: The Section ID entered on the ScanShark will be matched against the Section ID you defined here. The ID and the corresponding Title and Area will be used in various reports.

Title: A description of the Section. See the above examples.

Area: A larger physical space than a Section. See the above examples. Choose your Areas from a drop-down list.

Section Operations

Exit: Returns to the Main Menu

Save: Saves your Section Descriptions for future use.

Restore: Your previously saved Section Descriptions will be restored. Note: this will erase your currently displayed Sections. Save them first, if you want to use them later.

Clear: Erases your currently displayed Section Descriptions so you may enter all new Section Descriptions. Don't forget to save your current Section Descriptions if you would like to use them later.

Area: Takes you to the Area Descriptions screen where you can define your Area Descriptions.



Just as you did with Sections, you may define Areas. See the above examples.

Area Operations

Exit: Returns to the Section Descriptions screen.

Save: Save your Area Descriptions for future use.

Restore: Restores your previously saved Area Descriptions. Note: This will erase your currently displayed Area descriptions, so save them first, should you need them later.

Clear: Erases your currently displayed Area Descriptions and you may enter all new ones. Don't forget to save the current definitions if you will need them later.

Click "*Exit*" and then click "*Exit*" again to return to the Main Menu. Click the "*Categories*" button.

Categories

Category Descriptions			
ID	Title	General Category	Mark-Up %
▶ 1	Category 1	All Merchandise	
10	Category 10	All Merchandise	
100	Category 100	All Merchandise	
11	Category 11	All Merchandise	
12	Category 12	All Merchandise	
13	Category 13	All Merchandise	
14	Category 14	All Merchandise	
15	Category 15	All Merchandise	
16	Category 16	All Merchandise	
17	Category 17	All Merchandise	
18	Category 18	All Merchandise	
19	Category 19	All Merchandise	
2	Category 2	All Merchandise	
20	Category 20	All Merchandise	
21	Category 21	All Merchandise	
22	Category 22	All Merchandise	
23	Category 23	All Merchandise	
24	Category 24	All Merchandise	
25	Category 25	All Merchandise	
26	Category 26	All Merchandise	
27	Category 27	All Merchandise	
28	Category 28	All Merchandise	
29	Category 29	All Merchandise	
3	Category 3	All Merchandise	
30	Category 30	All Merchandise	
31	Category 31	All Merchandise	
32	Category 32	All Merchandise	
33	Category 33	All Merchandise	
34	Category 34	All Merchandise	
35	Category 35	All Merchandise	
36	Category 36	All Merchandise	

Exit

Save

Restore

Clear

General Category

A Category describes the type of item or product.

ID: The Category ID captured on the ScanShark will be matched against the Category ID that you defined here. The ID and the corresponding Title and General-Category will be used in various reports.

Title: A description that corresponds to the Category ID.

General-Category: A larger grouping of item types. For example: the categories of Whiskey, Vodka and Tequila may have totals grouped by the larger General Category of “Hard-Liquor”.

Mark-Up: For reports requiring totals to be calculated as a percentage of retail. The Mark-Up percentage is entered here.

Category Operations

Exit: Returns to the Main Menu

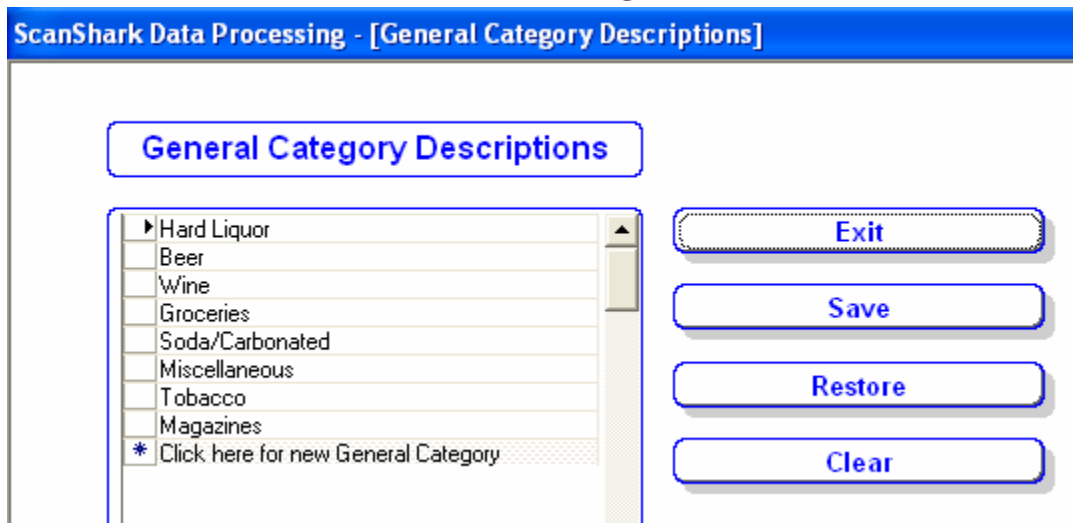
Save: Saves your Category descriptions for future use.

Restore: Restores previously saved Category descriptions for use. Note: This will overwrite the currently displayed data. Save your Category definitions first, should you wish to use them later.

Clear: Clears the Category descriptions displayed here. Again, if you wish to use your definitions in the future, don't forget to save them now.

General Category: Takes you to the General-Category descriptions menu.

General Categories



General-Categories are groupings of Categories. See the examples on the previous page.

General-Category Operations

Exit: Returns to the Category descriptions menu

Save: Saves your General-Category descriptions for future use.

Restore: Restores previously saved General-Category descriptions. Note: This will overwrite any existing General-Category definitions so, save them first, if you wish to use them later.

Clear: Clear the currently displayed General-Categories. Save them first, should you wish to use them later.

Click "*Exit*" and then click "*Exit*" again to return to the Main Menu. Click the "*SKU Master*" button.

SKU-Master

ScanShark Data Processing - [SKU Master Descriptions]

SKU Master

SKU	Description	Price
▶ 12345678901234567890	SKU Description 3	1,234,567.89
123ABC456DEF789GHI01	SKU Description 1	123.45
ABC123DEF456GHI789JK	SKU Description 2	456.78
* Click here to enter a new SKU		

Exit

Save

Restore

Clear

Save>>ScanShark

ScanShark

New SKUs

For those who do not intend to do SKU/Barcode work, you can skip the entire SKU-Master portion of this manual.

Note: You will have many more SKUs than shown here. This list is limited for illustration purposes only.

The SKU-Master contains three columns: SKU, SKU Description and Price. The SKU entered on the ScanShark is matched against the SKU displayed here. The corresponding description is used for various reports.

SKU: A unique identification for an item. Often, it is a barcode printed on the items label or box.

Description: The items' description.

Price: The items' price.

SKU-Master Operations

Exit: Returns to the Main Menu.

Save: Saves the SKU-Master definitions for future use.

Restore: Restores, previously saved, SKU-Master definitions. Note: This will overwrite any existing SKU-Master definitions so, save them first, if you wish to use them later.

Clear: Erases the currently displayed SKUs. Save your data first if you will need it later.

Save>>ScanShark: Saves the SKU-Master file for use in the ScanShark Communications program.

New SKUs: Data is collected on the ScanShark and any new SKUs will be uploaded to the PC. You will need to import those new SKU definitions into the SKU-Master. This is so that all SKUs will have a description and price.

Click "*Exit*" to return to Main Menu and then click "*Data*".

Captured Data

ScanShark Data Processing - [Captured Data]

Captured Data

Section	Category	SKU	Price	Qty 1	Qty 2	S/N
▶ 1	3	12345678901234567890	1,234,567.89	2.00	1	PC-ENTRY
2	4	123ABC456DEF789GHI01	123.45	12.00	2	PC-ENTRY
3	5	ABC123DEF456GHI789JK	456.78	72.00	6	555444
1	4	777888999	1.99	36.00	18	555444
* New Entry						

This screen displays your collected data. For illustration purposes, only a few entries are shown here.

Section: The collected Section ID.

Category: The collected Category ID.

SKU: The collected SKU.

Price: The collected Price.

Qty-1: The First Quantity value. Note: negative quantities will be shown in Red.

Qty-2: The Second Quantity value. Qty-1 X Qty-2 = Total Quantity

S/N: The serial number of the ScanShark used for the entry.

Captured Data Operations

Exit: Returns to the Main Menu

Save: Saves your data for future use.

Restore: Restores previously saved Data. Note: This will overwrite any existing Data so, save your data first, should you wish to use it later.

Clear: Erases your currently displayed data. Save it first if you need it later.

Receive Uploaded Data: Once you have sent your ScanSharks' data to the PC, this will allow your data to be processed into reports, etc. Note: This will erase any currently displayed data so, save your data first, should you wish to use it later.

Open With Excel: View your data using Excel or a compatible spreadsheet program.

Select Prior: You may select a data file that contains your previously saved data for comparison to your current data.

Audit-Trail: Shows a record-by-record view of your data in the order in which it was entered. You will be asked for a Beginning-Section and an Ending-Section for the display. Only Sections within that range will be displayed. To view only entries in a single Section, make the Beginning and Ending values the same.

The Audit-Trail will display your report in preview mode. You may print the report at that point, if you desire.

Filter: To view only selected entries, use the 'Filter' operation. Suppose that you wish to view all entries where Category "6" was entered. Highlight the "6" under the Category column and then click the "Filter" button. Only entries with Category "6" will be displayed.

Filtering data will not effect any reports that you may generate, only the data that is displayed.

Un-Filter: When done viewing your "filtered" data, click Un-Filter to reveal all your entries.

SKU Summary File: It contains the SKU and the total quantity of that SKU.

Quality Control: This will open the "*Quality-Control*" Screen. Various reports reveal potential errors.

Find & Replace: To change a value for a group of records (example: change all records in Section:1001 to Section:1002) A variety of controls are available to you to select just the records you wish.

Caution: It is always a good idea to SAVE YOUR DATA before using the "Find & Replace" button.

Quality Control



You may detect potential user errors by running these reports. These reports are displayed in preview mode.

Quality Control Operations

Exit: Returns to “*Captured Data*” screen.

Largest Totals: Displays, in descending total-value order, your data entries. The largest entry totals are displayed first, second largest totals displayed second, etc.

Largest Quantities: Same as the Largest Totals report above except the largest quantities are displayed first.

Negative Section Totals: Any Section that has a total value of less than zero is displayed.

Negative Category Totals: Any Category that has a total value of less than zero is displayed.

Negative SKU Totals: Any SKU that has a total quantity of less than zero is displayed.

Negative Entries: Any entry that has a total quantity of less than zero.

Count/Stock on-hand Compared: SKU totals are compared against the SKU Master Stock On-Hand. Note: only SKUs where the expected count is different from the actual count.

Not Found Sections: Sections that are defined but have no corresponding data.

Not Found Categories: Categories that are defined but have no corresponding data.

Not Found SKUs: SKUs that are defined but have no corresponding data.

New Sections: Any Section in the collected data that does not have a matching Section ID on the PC. It is important that any new Sections have a corresponding description associated with them on the PC because of report generation requirements

New Categories: Any Category in the collected data that does not have a matching Category ID on the PC. It is important that any new Categories have a corresponding description associated with them on the PC because of report generation requirements

New SKUs from Data: Any SKU in the collected data that does not have a matching SKU on the PC. A simple list is generated.

New SKUs User-Defined: Any SKU defined on the ScanShark as a “New SKU Definition”. The SKU, Description, PLU and Price will be displayed.

Audit Trail: A highly detailed Audit-Trail is generated with SKU descriptions, PLU, etc.

Simple Audit Trail: This is the same Audit-Trail report that you used in the “*Captured Data*” screen.

Audit-Trail –Negative Entries: The same as the Audit-Trail report except only negative entries are displayed.

Price Mis-Match: SKUs where the entered price does not match the SKU Master price are displayed.

Price Mis-Match/Section: Same as above but broken down by section.

Partial Quantities: Any entry that contains a quantity other than whole numbers. For example, an entry with a quantity of 12.34 would be displayed but an entry with a quantity of 12.00 would not be displayed.

View All Data Fields: This will open the “*Captured-Data, All Fields Displayed*” screen. From here you can see the data fields hidden from view of the typical user.

Open all fields in Excel: Every data field used by SSP opens in an Excel spreadsheet. This can be used to create custom reports or data exports.

Click the “*View All Data Fields*” button.

View Full Data

ScanShark Data Processing - [Captured Data, All Fields Displayed]										
Add to Existing Data		Filter		Un-Filter		Open in Excel		Exit		
Captured Data, all fields displayed										
Record #	Section	Category	SKU	Price	Quantity 1	Quantity 2	Entry Value	Qty Total	Date	Time
000000001	1	3	12345678901234567890	\$1,234,567.89	2.00	1	\$2,469,135.78	2.00	12/02/2003	11:35:17
000000002	2	4	123ABC456DEF789GHI01	\$123.45	12.00	2	\$2,962.80	24.00	12/02/2003	11:36:39
000000003	3	5	ABC123DEF456GHI789JK	\$456.78	72.00	6	\$197,328.96	432.00	12/02/2003	11:37:46
000000004	1	4	777888999	\$1.99	36.00	18	\$1,289.52	648.00	12/02/2003	11:59:37
* <New Entry>										

You will see data fields hidden from the typical user.

The additional fields are:

Entry Value: The total value of this entry (Price X Quantity-1 X Quantity-2)

Qty Total: The total quantity of the entry (Quantity-1 X Quantity-2)

Date: The Date that this entry was made in MM/DD/YYYY format. Entries made on the PC will have the System date entered by default.

Time: The time that the entry was made in HH:MM:SS format. Entries made on the PC will use the System time as the default value.

View Full Data Operations

Exit: Returns to “*Quality-Control*” screen.

Add to Existing Data: Caution should be used when using this operation as duplication of your data is possible if used incorrectly. You may receive additional uploaded data to the data without erasing your original data. Only use this option if data was incorrectly saved or additional data uploads occur after the data in the system has been modified.

Filter: Same as “*Filter*” operation in “*Data*” menu

Un-Filter: Same as “*Un-Filter*” operation in “*Data*” menu

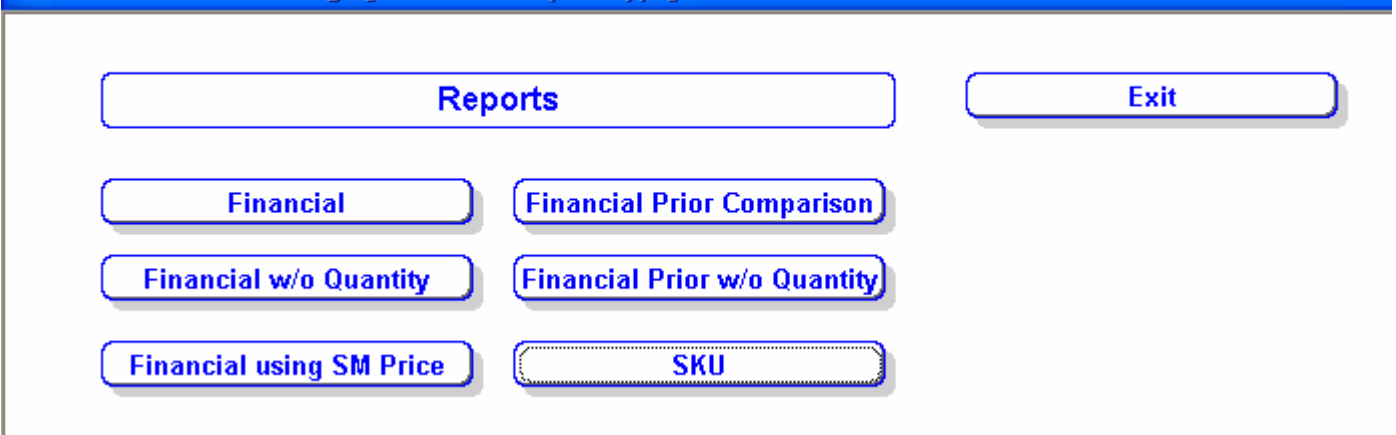
Open in Excel: Same as “*Open in Excel*” operation in the “*Data*” menu except that all fields will be displayed including prior data fields, service info, job info, customer info, Section/Area data and Category/General-Category data.

This can be a useful operation should you wish to create custom reports with Excel or a compatible program.

Click *Exit*, *Exit*, *Exit* and then click *Reports*.

Reports

ScanShark Data Processing - [Choose the Report Type]



Report Operations

Financial: Standard financial reports may be viewed or printed from here.

Financial Prior Comparison: Data is compared to previously saved data with financial type reports.

Financial w/o Quantity: Standard financial reports may be viewed or printed from here. Reports do not include the quantity columns.

Financial Prior w/o Quantity: Data is compared to previously saved data with financial type reports. Reports do not include the quantity columns.

Financial using SM Price: Financial reports are generated using the SKU Master Price instead of the Collected Price. Note: You must collect the SKU on the ScanShark and have a valid SKU Master where all User-Defined SKUs have updated the SKU Master. Failure to meet these requirements will result in reporting errors.

SKU: Standard SKU-level reports plus a SKU-level vs Prior report may be viewed or printed from here.

Quality Control: The same quality control menu mentioned before but accessed through the reports menu.

Click “*Exit*” then click “*Quit*”.

Quit

Closes ScanShark Processing and the Alpha-5 Runtime environment.

Appendix

ScanShark Processing

All these files are comma-delimited, line-feed after each record, fields in Quotes, omit trailing separator, field names are used in header, except as noted.

Section Data: Path: C:\ScanShark_Processing\Section*.ASC

Field Name	Maximum Length	Type	Notes
Section ID	10	Character	
Section Description	20	Character	
Section Link	1	Character	Must be letter "A"
Section Area	20	Character	
Section Footage	3	Numeric	0-999 whole numbers only

Sample Data: "SECTION_ID","SECTION_DESCRIPTION","SECTION_LINK","SECTION_AREA"
 "1","Front Wall","A","Salesfloor","3"
 "2","Right Wall","A","Salesfloor","999"
 "3","Back Wall","A","Salesfloor","24"
 "4","Left Wall","A","Salesfloor","16"

Area Data: Path: C:\ScanShark_Processing\Area*.ASC

Field Name	Maximum Length	Type	Notes
Area Description	20	Character	
Area Link	1	Character	Must be letter "A"

Sample Data: "AREA_DESCRIPTION","AREA_LINK"
 "Salesfloor","A"
 "Stockroom","A"
 "Outside Storage","A"

Category Data: Path: C:\ScanShark_Processing\Category*.ASC

Field Name	Maximum Length	Type	Notes
Category ID	10	Character	
Category Title	20	Character	
Category GC (General Category)	20	Character	
Category Link	1	Character	Must be letter "A"
Category_Mark-Up	6.2	Numeric	Min value: 0, Max Value 100
Category_Book_Balance	15.2	Numeric	Min value: 0

Sample Data:
 "CATEGORY_ID","CATEGORY_TITLE","CATEGORY_GC","CATEGORY_LINK","CATEGORY_MARK_UP","Category_Book_Balance"
 "1","Whiskey","Hard Liquor","A","25.00","123456.78"
 "2","Vodka","Hard Liquor","A","35.75","6464.10"
 "3","Tequilla","Hard Liquor","A","0.00","77722.00"
 "4","Schnapps","Hard Liquor","A","50.00","717236.05"

General-Category Data: Path: C:\ScanShark_Processing\GC*.ASC

Field Name	Maximum Length	Type	Notes
GC Title	20	Character	
GC Link	1	Character	Must be letter "A"
GC_Book_Balance	15.2	Numeric	Minimum Value: 0
GC_Markup	5.2	Numeric	Maximum Value 100.00

Sample Data: "GC_TITLE","GC_LINK","GC_BOOK_BALANCE","GC_Markup"
"Hard Liquor","A","123456.78",89.05
"Beer","A","8989.34",50.00
"Wine","A",765765.00",28.50
"Groceries","A"98765.43",32.75

SKU Master: Path: C:\ScanShark_Processing\SKU_Master*.ASC

Field Name	Maximum Length	Type	Notes
SKU	20	Character	
Description	20	Character	
Price	10.2	Numeric	With embedded decimal point
Cents	12	Numeric	Automatically calculated
PLU	20	Character	Price Look Up (Secondary SKU)
SM_Cost	19.2	Numeric	With embedded decimal point
SM_Stock	19.2	Numeric	With embedded decimal point

Sample Data:
"SKU","DESCRIPTION","PRICE","CENTS","PLU","SM_COST","SM_STOCK"
"123ABC456DEF789GHI01","Sku Description 1",123.45,12345,"123456","444.44","321.12"
"ABC123DEF456GHI789JK","Sku Description 2",456.78,45678,"654321","567.78","99.99"
"12345678901234567890","Sku Description 3",1234567.89,123456789,"444555","543.23""667.89"

* **IMPORTANT:** Each SKU must be unique (no duplicates) or potential errors will occur in reporting and/or data collection.

Captured Data: Path: C:\ScanShark_Processing\Data*.ASC

Field Name	Maximum Length	Type	Notes
Data Link	1	Character	Must be letter "A"
Data Section	10	Character	
Data Category	10	Character	
Data SKU	20	Character	
Data Price	10.2	Numeric	Embedded decimal point to 2 -digits
Data Q1	10.2	Numeric	Embedded decimal point to 2-digits
Data Q2	10	Numeric	Positive Integers only.
Data Serial Number	10	Character	
Data Date	8	Date	MMDDYYYY format
Data Time	8	Character	HH:MM:SS format, military time

Sample Data:

"DATA_LINK","DATA_SECTION","DATA_CATEGORY","DATA_SKU","DATA_PRICE","DATA_Q1","DATA_Q2",
"DATA_SN","DATA_DATE","DATA_TIME"

"A","1","3","12345678901234567890",1234567.89,2.00,1,"PC-ENTRY",12/02/2003,"11:35:17"

"A","2","4","123ABC456DEF789GHI01",123.45,12.00,2,"PC-ENTRY",12/02/2003,"11:36:39"

"A","3","5","ABC123DEF456GHI789JK",456.78,72.00,6,"555444",12/02/2003,"11:37:46"

"A","1","4","777888999",1.99,36.00,18,"555444",12/02/2003,"11:59:37"

* header info does not have line-feed after "DATA_Q2"

SKU Summary File: Path: C:\ScanShark_Processing\SKU_Summary*.TXT

Ascending sort by SKU

Field Name	Maximum Length	Type	Notes
SKU	20	Character	Ascending sort by SKU
Total Quantity	10.2	Numeric	Embedded decimal point to 2-digits

Sample Data:

12345678901234567890,2.00

123ABC456DEF789GHI01,24.00

777888999,648.00

ABC123DEF456GHI789JK,432.00

ScanShark Data Portal

SKU Master: Path: C:\ScanShark\SKU*.ASC

Field Name	Maximum Length	Type	Notes
SKU	20	Character	Must be presorted by SKU Ascending order
Cents	12	Numeric	

Sample Data: SKU,CENTS

12345678901234567890,123456789

123ABC456DEF789GHI01,12345

ABC123DEF456GHI789JK,45678

* Price is in Cents not dollars, field names NOT in quotes.

New SKU: Path C:\ScanShark\Data\usrsku*.ASC

Field Name	Maximum Length	Type	Notes
SKU	20	Character	
PLU	20	Character	
Description	20	Character	
Price	10.2	Numeric	Embedded decimal point to 2-digits

Sample Data:

SKU,PLU,DESCRIPTION,PRICE

rrrrr78902232567890,12345678901234567890,ABC123GHI456MNO789ST,12375890.12

09876548210187654321,09876543210987654321,ABCDEFGHIJKLMNQRST,55944666.90

* Field names NOT in quotes (“ “)

** The New SKU file name will automatically use the same file name as the uploaded data except with “.sku” extension (i.e. filename.sku)

Data: Path: C:\ScanShark\Data*.ASC

Field Name	Maximum Length	Type	Notes
Data Section	10	Character	
Data Category	10	Character	
Data SKU	20	Character	
Data Price	10.2	Numeric	Embedded decimal point to 2 -digits
Data Q1	10.2	Numeric	Embedded decimal point to 2-digits
Data Q2	10	Numeric	Positive Integers only.
Data Serial Number	10	Character	
Data Date	8	Date	MMDDYYYY format
Data Time	8	Character	HHMMSS format, military time

Sample Data:

DATA_SECTION,DATA_CATEGORY,DATA_SKU,DATA_PRICE,DATA_Q1,DATA_Q2,

DATA_SN,DATA_DATE,DATA_TIME

A,55,2,33ABC4555,24.99,2.00,12,789654,11/14/2003,11:08:29

A,1,67A,2222444555,123.80,5.40,1,789654,11/14/2003,11:08:30

A,1,2,33344777775,1.29,66.00,24,789654,11/14/2003,11:12:15

A,1,1234567890,333444555,47.50,11.00,1,789654,11/14/2003,12:55:59

* Header info does not have line-feed after “DATA_Q2”, field names not in quotes

Notices

This manual may contain errors and omissions. All software is sold AS-IS without any warranty express or implied. All software contains anomalies, also known as “Bugs”, both known and unknown to Inventory Science Systems (ISS), its licensees and partners. ISS accepts no liability direct or consequential for damages resulting in the use or misuse of its products, software or items purchased through ISS but manufactured by another party.

System Requirements:

PC operating at 300 MHz or higher

Windows 98 or later

128 MB RAM minimum

100 MB available on hard drive space plus data

USB port V 1.0 or later. Version 2.0 preferred.

RS-232 Port (or USB to Serial Port Converter) for use of Rabbit Field Utility (RFU) for upgrading ScanShark operational program.

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Rabbit Field Utility is trademarked by Z-World, Davis, CA, U.S.A.

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Rabbit Field Utility (RFU)

The Rabbit Field Utility (RFU) loads the operational program to the ScanShark. You will need to use the Null-Modem cable included with your ScanShark.

For best results, you'll need to change a setting on your PC:

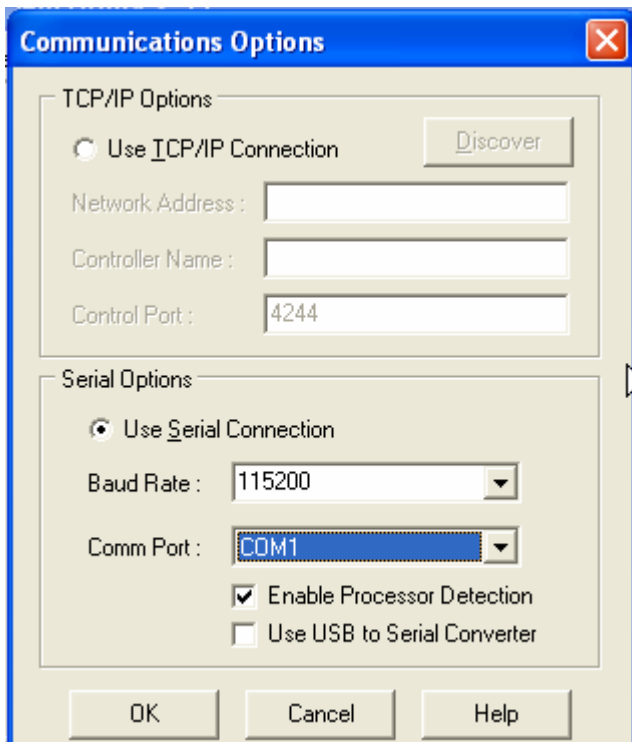
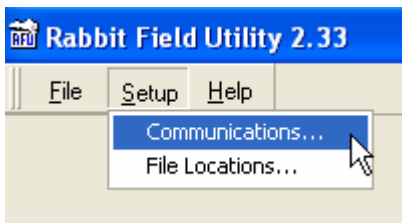
Click Start, Control Panel, System, Hardware, Device Manager, Ports (COM & LPT), Communications Port (Comm 1), Port Settings, Advanced, uncheck the box "Use FIFO buffers", OK

Note: The ScanShark is shipped with the latest version of its software pre-loaded for you. You will not need to use the RFU program until a new version of the software is released.



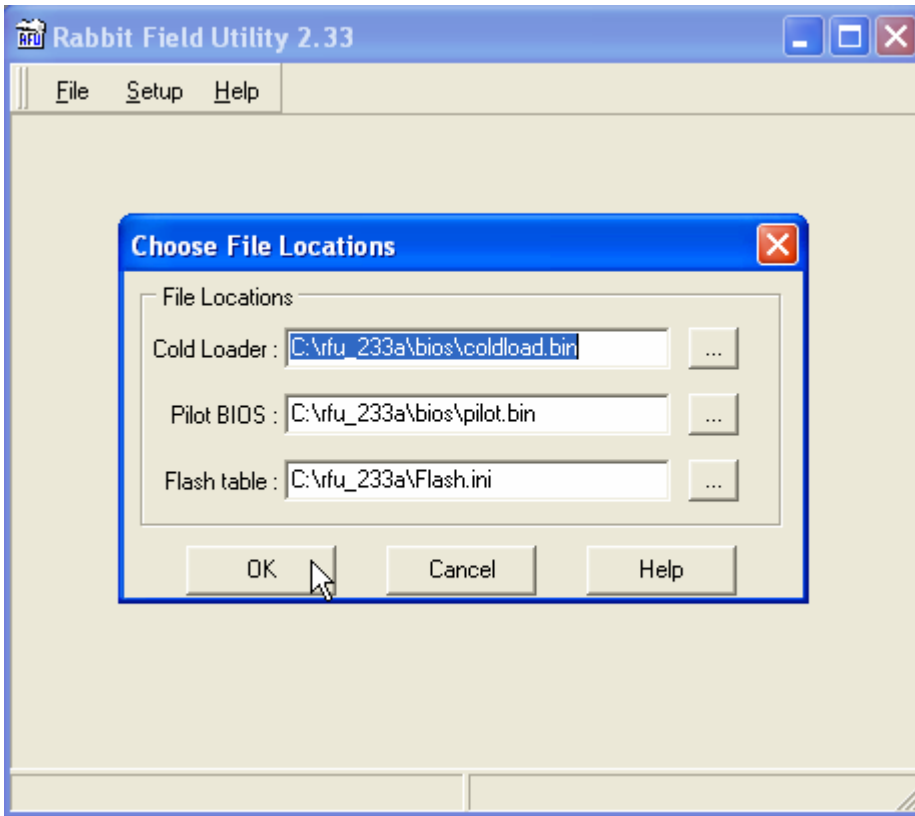
Double-Click the RFU icon on your PC's desktop. The RFU program will open.

Click Setup-Communications. You'll see this screen.



From this screen, you will select how to send the program to the ScanShark. The most common settings appear here. If you use a USB to Serial Converter, check the appropriate box. Most computers will use the COM1 setting. The setting you choose will be saved for the next time you use RFU.

Setup-File Locations will show this screen.

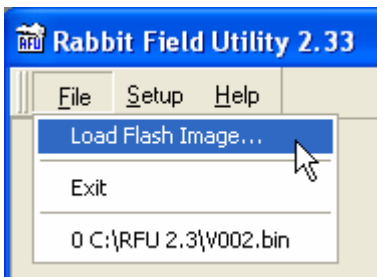


The default locations for the necessary files are indicated here. You will probably never need to change these settings. Click OK.

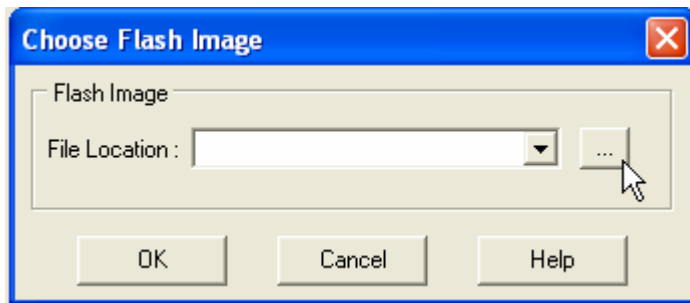
With the ScanShark turned OFF, connect the Null-Modem cable included with the ScanShark to your PC's RS-232 port or to your USB to Serial converter if appropriate. Connect the other end of the cable to the ScanShark' RS-232 (Barcode Scanner) port.

Slide the ScanSharks' Programming switch, located on the left edge of the unit, to the left. Turn the ScanShark ON. The ScanSharks' screen will show two bars running across the entire screen.

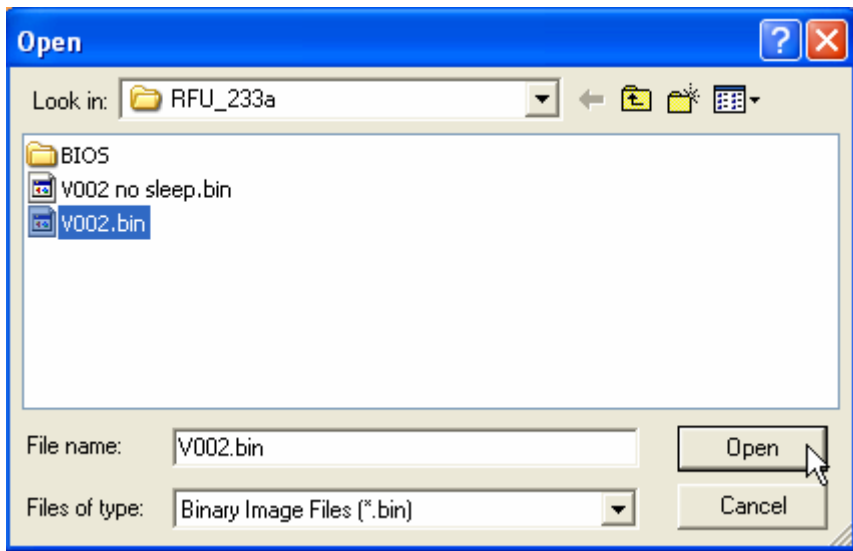
Next, you will select the file that contains the ScanShark program. Click File-Load Flash Image.



You'll see this screen



Click the “...” box to find the ScanShark program file



Highlight the file of the new ScanShark program and click “Open”. The program will load into the ScanShark. When complete, Turn the ScanShark OFF and then slide the programming switch to the right. Remove the Null-Modem cable from the ScanShark

To complete the program upgrade, you will need to initialize the ScanShark. This is done by doing a “Three-Fingered-Salute”.

1. Turn OFF the ScanShark.
2. Press and hold the “X”, “Srch” and “CAT TOT” keys.
3. While still holding down those keys, turn ON the ScanShark.
4. After a second or so, you will see the screen that begins with “*** INITIALIZING ***”, release the keys.
5. Press “ENTER” to confirm that you wish to initialize the ScanShark.

The ScanShark is now ready to use.

To confirm that you loaded the correct version of the software, turn ON the ScanShark. From the Main Menu, press “6. Options” and then press “7”. Confirm that you loaded the correct version of the software. You are now ready to use the new software.

The Latest ScanShark program may be found on the Internet at this address:

http://www.inventoryscience.com/software_updates.html

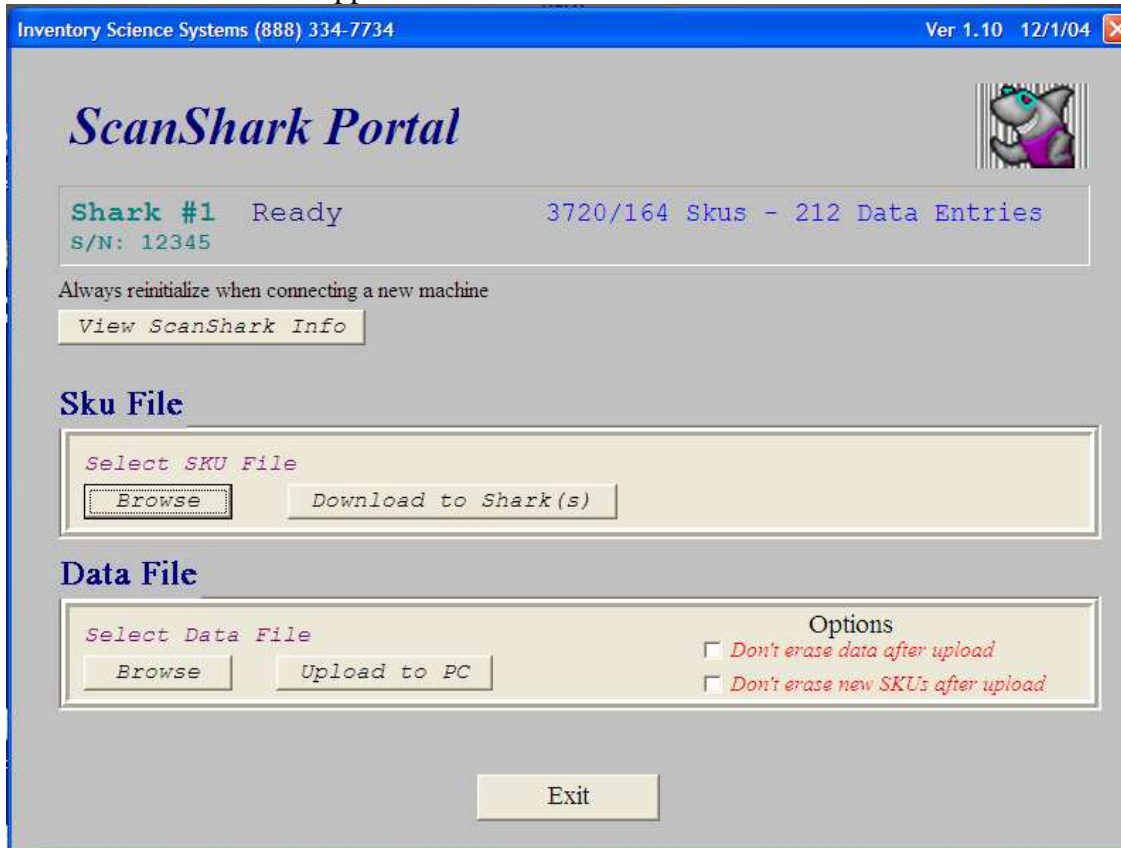
Rabbit Field Utility (RFU) © Copyright © Z-World, Davis, CA, U.S.A.

ScanShark Communications

Double-Click the ScanShark Communications Icon on your computers desktop.



You will see this screen appear:



Note: The ScanShark must be connected to the PC via the USB cable. The ScanShark must be ON, select Option-5 Communications, Option-1 ScanShark \leftrightarrow PC. If the ScanShark communications screen indicates “Not Ready”, Unplug the USB cable from the ScanShark, click the “Initialize” button on the ScanShark Communications Portal, reconnect the USB cable to the ScanShark and then click “Initialize” again.

When the ScanShark is connected to the PC through the USB cable, you will see something like this. The top portion of the screen indicates the ScanSharks’ Serial-Number and that it is ready to communicate with the PC.

In our example, you’ll notice the line that reads: 3720/164 - 212 Data Entries.

This means that, in this ScanShark, there are:

3720 SKUs that have been sent from the PC to the ScanShark for verification.

164 SKUs defined by the ScanSharks user that were not in the SKU Master file.

212 Data Entries/Records on this ScanShark.

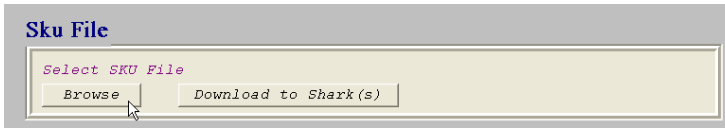
The ScanShark can perform SKU verification or SKU and Price verification. This means that any SKUs entered on the ScanShark by either barcode scanner or the keyboard is compared to a Master file. If the SKU is not listed in

the Master file, you can define that New-SKU. That definition is sent to the PC for updating the Master file, generating New-SKU reports, etc.

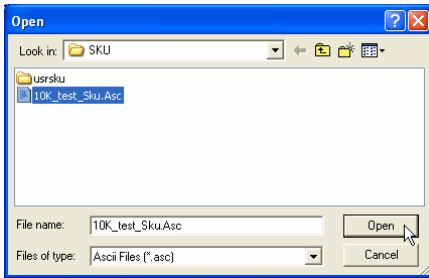
With SKU/Price Verification set to ON, if the entered Price for a SKU does not match the price listed in the Master file, you will be required to verify that the price does not match.

Sending A SKU Master File to the ScanShark

With your SKU Master file already saved to the ScanShark Communications Portal (See appendix for data format or SKU Master Operation for ScanShark Data Processing) Under “Select SKU Master”, click the “Browse” button.



You will see this screen appear:



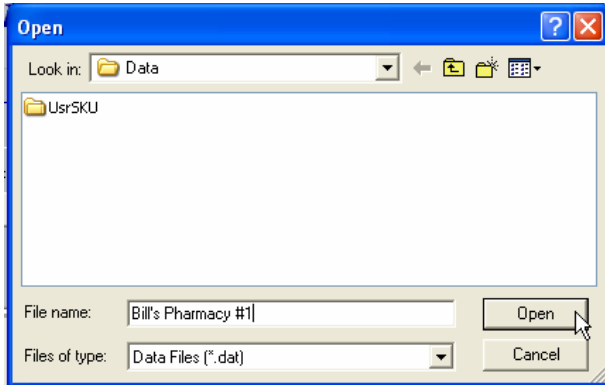
Click the SKU Master file to send to the ScanShark. The file name will be highlighted.

Click “Open”

Click “Download to Shark(s)” The SKU Master file will be sent to the ScanShark. You will see the progress of the download. When finished, click “Close”. Repeat for additional ScanSharks.

Receiving Data from a ScanShark

With the ScanShark connected as above, under “Select Data File, click Browse.



You'll see this screen. Name the file that will hold your data. If you select an existing file, your data will be added to the data already existing in that file. **IMPORTANT:** Do NOT save your data to a different folder than the default folder. When ready, click “Open”

Note: It is highly recommended that all data for an inventory count be saved to a single data file.

Click “Upload to PC”. You will see the progress of your data uploading to the PC. Click “Close” when complete and repeat for additional ScanSharks.

Data Upload Options



In most circumstances, you will wish to leave these options un-checked.

“Don't erase data after upload”. This leaves the data on your ScanShark intact; it is not deleted as normal after a successful data upload. Although the ScanShark warns you prior to entering more data, if you ignore the warning, you could duplicate data when you upload next time.

“Don't erase new SKUs after upload”. If you upload your data more than just once before the end of the inventory count, it is recommended that this box be checked. Any SKU, not in the SKU Master file but previously defined by you, will not need to be defined again, a time saving measure.

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ScanShark Processing Manual, Revised September 11, 2006