



# RF Warehouse Automation For MAS 90/200

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## Installation Instructions and Cautions

***PLEASE NOTE: MAS 90 must already be installed on your system before installing any IIG enhancement. If not already done, perform your MAS 90 installation and setup now; then allow any updating to be accomplished automatically. Once MAS 90 installation and file updating is complete, you may install your IIG enhancement product by following the procedure below.***

## Introduction

The **RF Warehouse Automation enhancement** for MAS 90 is the tool you need to serve your customers more effectively. Your team will be able to enter sales orders, shipping data and receipts of goods while on the road with their Radio Frequency device with Windows CE — saving time and ensuring accuracy.

By connecting salespeople who are in remote locations to MAS 90 software, your company will be in a strategic position to serve your customers more quickly and more efficiently.

If you have salespeople who are traveling, Radio Frequency solutions can be a valuable addition to your company.

## Before you run RFS

Before you start using **RF Warehouse Automation**, you must modify its desktop shortcut to be able to run it.

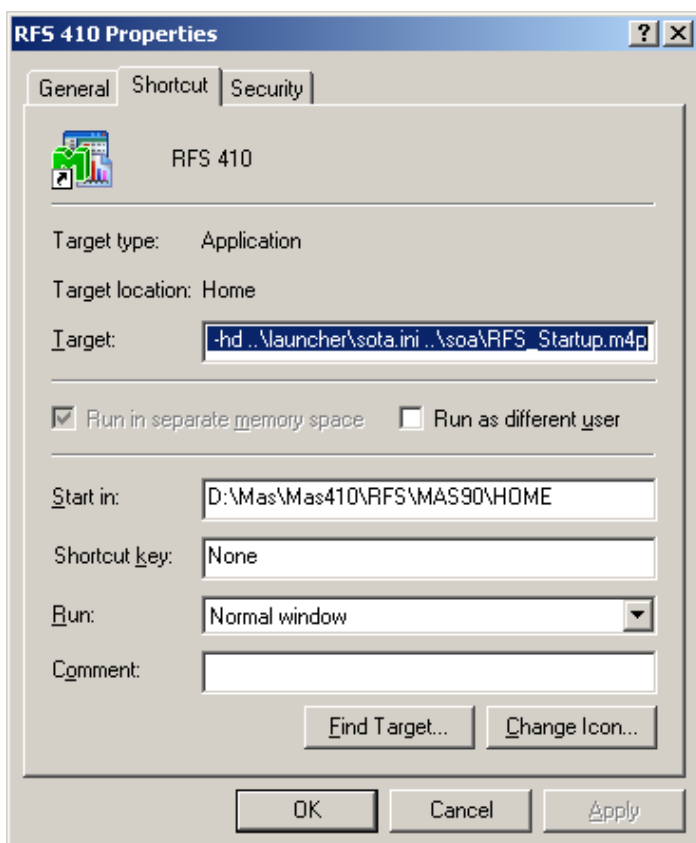
Map the Network drive where your MAS90 system is located.

Right-click the RFS icon on the desktop, and select the **Properties** in the pop-up menu. Go to the **Shortcut** tab.

In the **Target** field, type  
your path\MAS90\Home\pvxwin32.exe -hd ..\launcher\sota.ini  
..\soa\RFS\_Startup.m4p

(where *your path* stays for the path to your MAS 90/200 system, e.g. D:\MAS\Mas420\Rfs).

Type the path to the MAS 90 system using mapped drive.



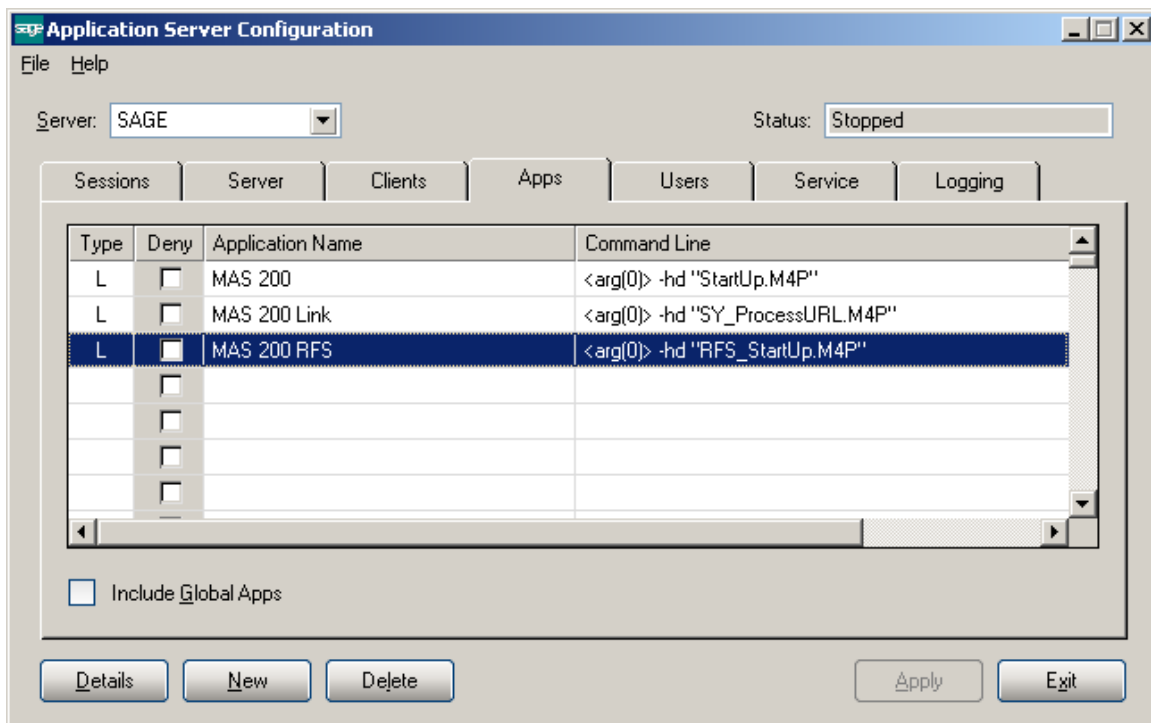
Click **Ok** or **Apply** to save this change.

### RF Client Configuration for MAS200

To be able to run RF in the client server mode it is necessary to copy the files from **RFS\_Workstation** folder to your **Workstation (Client) MAS90** folder. After copying the files it is necessary to create **rfs\_sota.ini** file in the: **Client\MAS90\Launcher**. It is a copy of original **sota.ini** except that **APPLICATION=MAS 200 RFS** (this is a reference to a application in the application server). New Application called **MAS 200 RFS** should be added into the **Application Server Configuration**. It is a copy of MAS 200 application with the following changes:

**Application Name: Mas 200 RFS**

**Lead Program: rfs\_startup.m4p**



**Current - App Props for Server: "SAGE"**

**Application**

App Name: MAS 200 RFS

ProvideX EXE: <Default>

Server INI: <Default>

Lead Program: RFS\_StartUp.M4P

Extra CMD Options:

Arguments:

Start-In Directory: <Default>

Init Window: Normal

**Clients**

Client Type: Any Client Type

WindX Ver: 0.00.0000/00 Max WindX Ver: 0.00.0000/00

JavX Ver: 0.00.0000/00 Max JavX Ver: 0.00.0000/00

**Options**

Disable Application

Allow Client Extra CMD Options

Allow Client Arguments

Allow Client to Set EID

Allow Client to Set Start-In Directory

**OS Level**

Default Umask: 0000

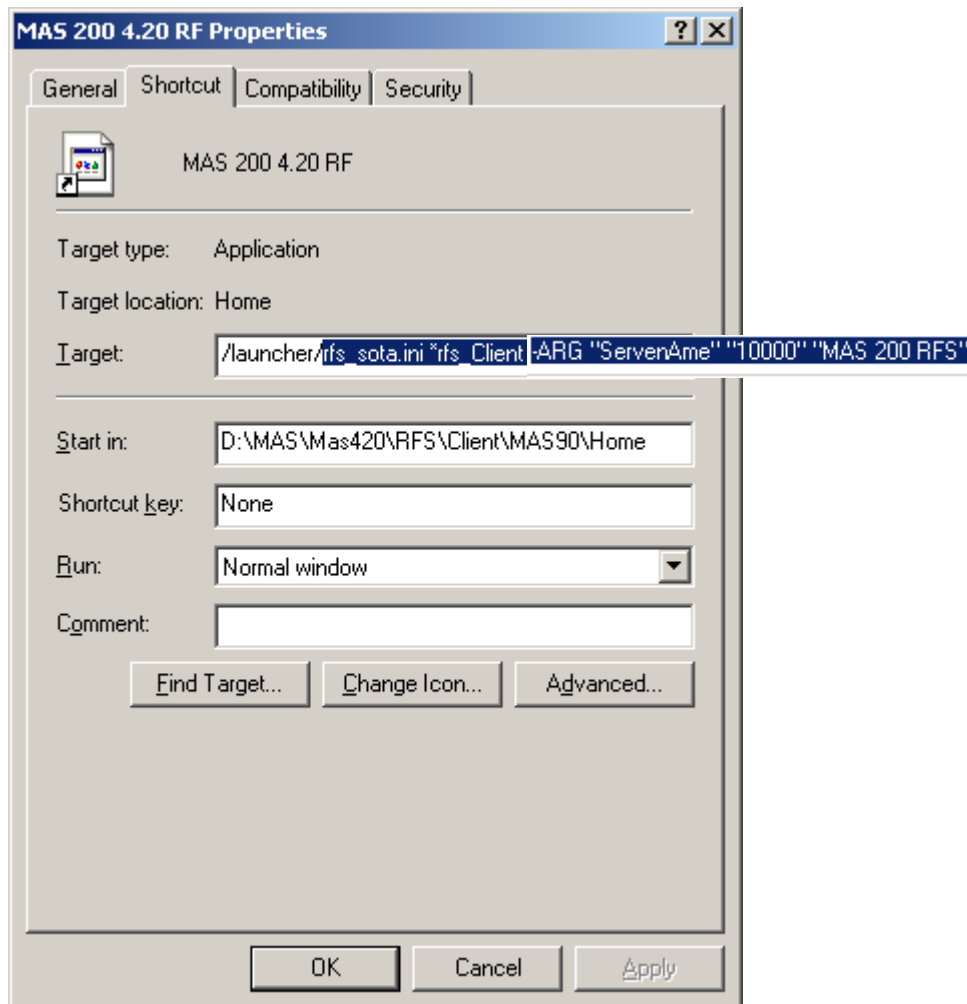
Detach Spawns via Nohup

Additional Environment Vars:

OK Cancel

The following changes should be done in the MAS200 shortcut to launch RF:





The path of your client system is entered in the **Start in** field. The **rfs\_sota.ini** and **\*rfs\_Client** are added in the **Target** field.

## Registering IIG products

IIG Enhancement should be registered to be able to use it. If registration is not performed, the enhancement will work in a demo mode for a limited time period. The registration can be still done during the demo period.

Select the **IIG Product Registration** program under the **Library Master Setup** menu of the MAS 90.

If this option is not listed under the Library Master Setup menu, go to the main menu, and select **Run** from the **File** menu. Type in SVIIGR and click **OK**.

Registered Customer: Customer

Registration Information:

Reseller Name:

Serial Number: 1111111

Customer Number: 222222222

User Key: 33333333333333333333

Product Key: 55555 55555 55555 55555 55555

Enhancement	Level	Release Date	Serial Number	Unlocking Key
IIG Enhancement Name	4.20		AAAAAAAAAAAAAAAAAA	BBBBBB

Buttons: OK, Undo, Print Registration Form, Close, Print

Status Bar: IIG ABC 5/29/2007

Enter **Serial Number** and **Unlocking Key** provided by IIG, and click **OK**.

If multiple IIG Enhancements are installed, Serial Numbers and Unlocking Keys should be entered for each enhancement.

IIG Registration Form can be printed by using the **Print Registration Form** button.

### MAS 90 for Windows CE Launcher

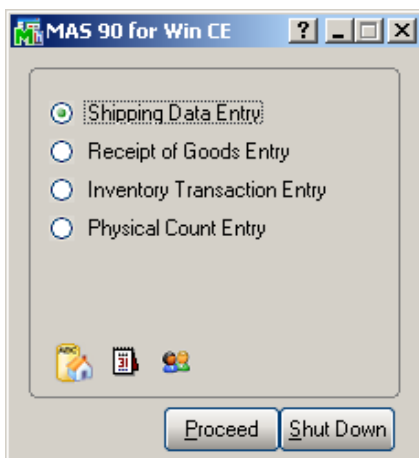
When running MAS 90 for Windows CE, the first screen you see is the **User Logon** screen:



Enter your user logon and password.  
Then select the Company:



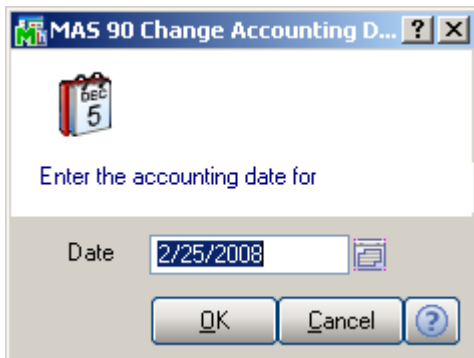
The launcher is opened:



The **MAS 90 for Win CE** launcher enables you to work with **Shipping Data, Receipts of Goods, Inventory Transaction (Transfer and Adjustment)** and **Physical Count**.

To launch any of these options, select it and click the **Proceed** button, or simply double-click the option you want.

You can also change the active **Company, Date,** and **User** clicking the icons below.



The **Shut Down** button closes MAS 90 for Windows CE.

### Shipping Data Entry

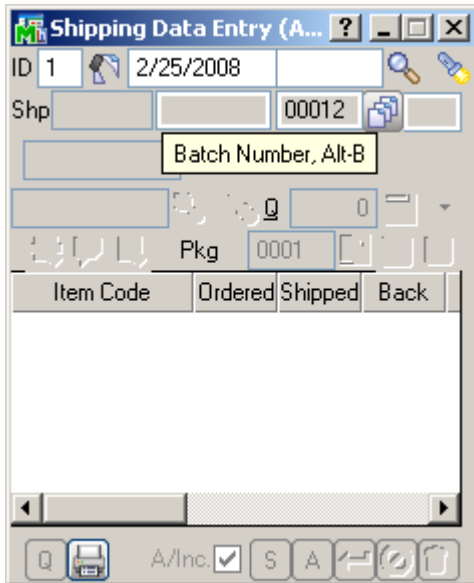
If **Batch Entry** is allowed in the **Sales Order Options**, the **S/O Shipping Batch** screen is displayed before opening the **Shipping Data Entry** screen.



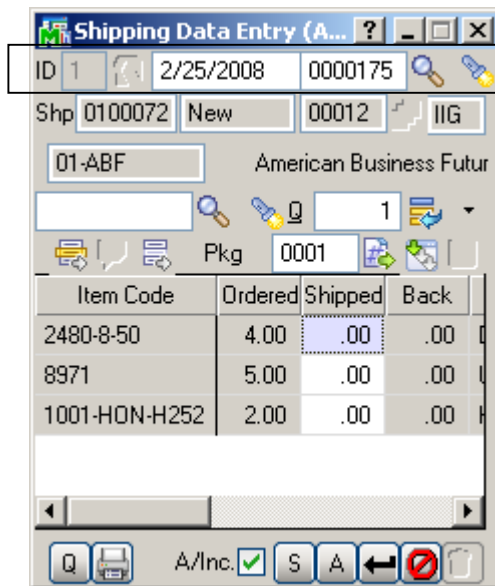
Batch No	00012		
Comment		Private Batch	<input type="checkbox"/>
Modify Verify Renumber Merge			
Status	Available	C. By	IIG 2/25/2008 1
Entries	2	M. By	IIG 2/25/2008 1
Accept Cancel Delete			

Click the **Next Batch Number** button to start a new batch, or enter an existing batch number.


In this case, the batch number is displayed on the **Shipping Data Entry**, and can be changed using the **Batch Number** button.



The **Shipping Data Entry** screen enables you to enter shipping data.



**S/ID** is Shipper ID.

 is Clear. Next to it is the Order No.

First **Lookup** displays the Sales Order List, to ship the selected Order. Second lists already entered Shipments.

**Shp.** is the Shipping Number and Status.

Shipping Data Entry (A... ?)

ID 1 2/25/2008 0000175

Shp 0100072 New 00012 IIG

01-ABF American Business Futur

Pkg 0001

Item Code	Item Packaging, Alt-G	Back
2480-8-50	4.00 .00	.00
8971	5.00 .00	.00
1001-HON-H252	2.00 .00	.00

Q [Printer] A/Inc. [check] S A [Left Arrow] [Red Circle with Slash] [Trash]

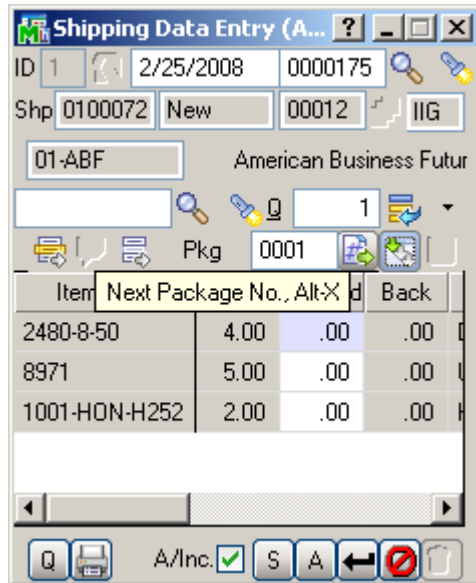
Click the **Item Packaging (Alt-G)** button to open the Item Packaging Maintenance.

Item Packaging Maintenance ?

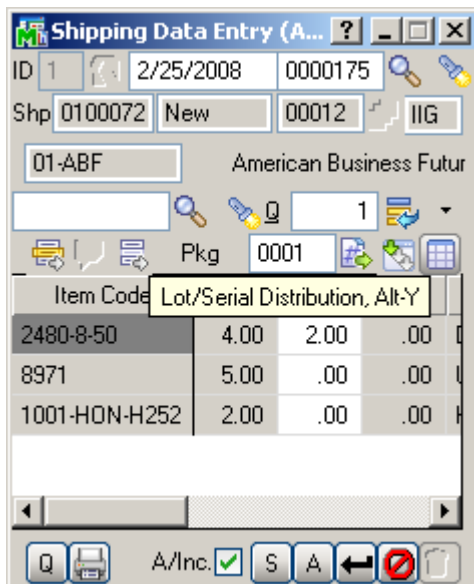
Package 0001

Item No	Ordered QT	In Pkg	QTY in Pkg
1001-HON-H252	2.00	[check]	2.00
2480-8-50	4.00	[check]	4.00
8971	5.00	[check]	5.00

Accept Cancel Delete [Help]



You can create the Next Package by the help of Next Package No. button.



The **Lot/Serial Distribution** button is enabled for Lot/Serial lines.

The **Lot/Serial Distribution** screen is opened automatically upon entering the Shipped Qty.

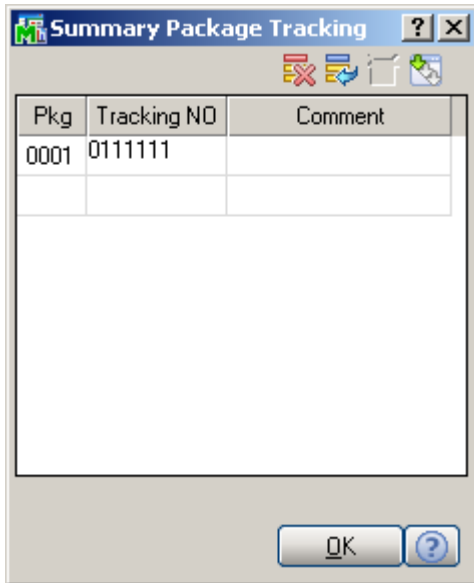


Lot Number	Available	Distribute
JAN10	163	2.00
		.00

**A/Inc.** is Auto Increment.  
**S** displays the **Shipping** screen.

Tracking

The **Tracking...** button opens the **Summary Package Tracking Maintenance** screen.

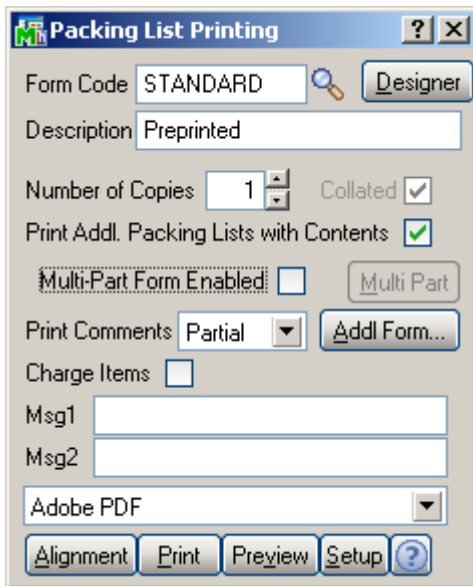


The **A** button on the Shipping Data Entry screen opens the **Ship To Address** screen.

The screenshot shows a window titled "Ship to Address" with various input fields. The "Ship To" field contains the number "2" and a magnifying glass icon. The "Residential Add." checkbox is unchecked. The "Name" field contains "American Business Futures". The "Address" field contains "Racine Warehouse" and "5411 Kendrick Place". The "ZIP Code" field contains "53120" and the "State" dropdown menu is set to "WI". The "City" field contains "Racine" and the "Country" field contains "USA". The "Invoice Total" field contains ".00".

### Packing List Printing

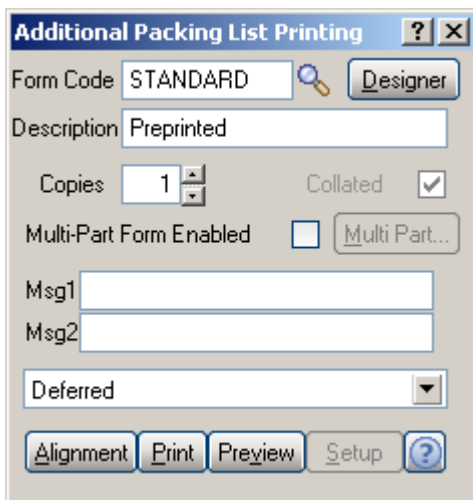
If the **Automatically Print Shipping Documents** box is checked on the **Main** tab of the **Shipping Setup Options** program under the **Sales Order Setup** menu, and the **Shipping Document to Print** is set to **Packing List** or **Both**, the **Packing List Printing** screen is opened when **Accepting Shipping Entry**.



The screenshot shows the 'Packing List Printing' dialog box. It has a title bar with a question mark and a close button. The 'Form Code' is 'STANDARD' with a magnifying glass icon and a 'Designer' button. The 'Description' is 'Preprinted'. The 'Number of Copies' is '1' with a spinner and a 'Collated' checkbox checked. The 'Print Addl. Packing Lists with Contents' checkbox is checked. There is a 'Multi-Part Form Enabled' checkbox (unchecked) and a 'Multi Part' button. The 'Print Comments' dropdown is set to 'Partial' with an 'Add Form...' button. There are 'Charge Items' and 'Msg1' text boxes. The 'Msg2' text box is empty. A dropdown menu is set to 'Adobe PDF'. At the bottom are buttons for 'Alignment', 'Print', 'Preview', 'Setup', and a help icon.

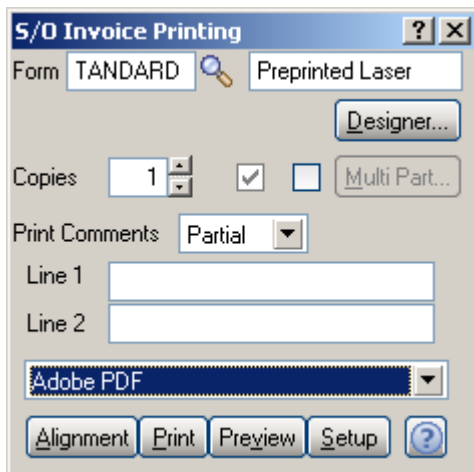
Graphical Crystal printing is available.

If the **Addit. Packing Lists** box is checked, the **Additional Packing Lists** screen is displayed after printing (or previewing), allowing to print the additional lists.



The screenshot shows the 'Additional Packing List Printing' dialog box. It has a title bar with a question mark and a close button. The 'Form Code' is 'STANDARD' with a magnifying glass icon and a 'Designer' button. The 'Description' is 'Preprinted'. The 'Copies' is '1' with a spinner and a 'Collated' checkbox checked. There is a 'Multi-Part Form Enabled' checkbox (unchecked) and a 'Multi Part...' button. There are 'Msg1' and 'Msg2' text boxes. A dropdown menu is set to 'Deferred'. At the bottom are buttons for 'Alignment', 'Print', 'Preview', 'Setup', and a help icon.

If the **Automatically Print Shipping Documents** box is checked on the **Main** tab of the **Shipping Setup Options** program under the **Sales Order Setup** menu, and the **Shipping Document to Print** is set to **Invoice** or **Both**, the **S/O Invoice Printing** screen is opened when **Accepting Shipping Entry**, or after printing **Packing List**, correspondingly.



### Receipt of Goods Entry

If **Batch Entry** is allowed in the **Purchase Order Options**, the **P/O Batch Number** screen is displayed before opening the **Receipt of Goods Entry** screen.

Batch Totals	
Taxable	.00
Non-Taxable	.00
Prepaid	.00
Balance	.00
Discounts	.00

Click the **Next Batch Number** button to start a new batch, or enter an existing batch number.

In this case, the batch number is displayed on the **Receipt of Goods Entry**, and can be changed using the **Batch Number** button.

The **Receipt of Goods Entry** screen enables you to enter and review receipts of goods.

Clicking the **Tab...** button displays the **Maintain Tab Settings** screen.

Field	Tab Setting
Description	<input checked="" type="checkbox"/>
Warehouse	<input type="checkbox"/>
Required Date	<input type="checkbox"/>
U/M - Unit of Measure	<input checked="" type="checkbox"/>
UT - Use Tax	<input type="checkbox"/>
G/L Account	<input checked="" type="checkbox"/>
Unit Cost	<input checked="" type="checkbox"/>
Job/Work Order Number	<input type="checkbox"/>
Weight	<input checked="" type="checkbox"/>
Allocate Landed Cost	<input checked="" type="checkbox"/>
Tax Class	<input checked="" type="checkbox"/>

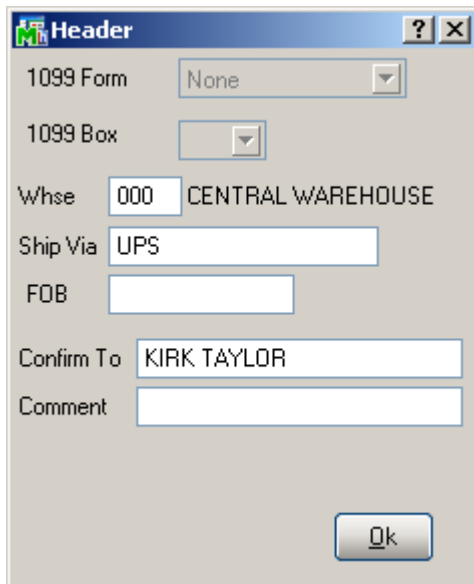
Enter Receipt Number in the **Rcpt No.** field or click the # (Next Number) button to create new receipt.

You can navigate through the orders using standard navigation arrow buttons at the bottom of the screen.

The **H**, **A**, **L**, **T** buttons open Header, Address, Lines, Totals screens respectively. These screens correspond to

tabs of the Receipt of Goods Entry screen in the standard MAS 90.

The **Header** screen opened with the **H** button is the following:



Header

1099 Form None

1099 Box

Whse 000 CENTRAL WAREHOUSE

Ship Via UPS

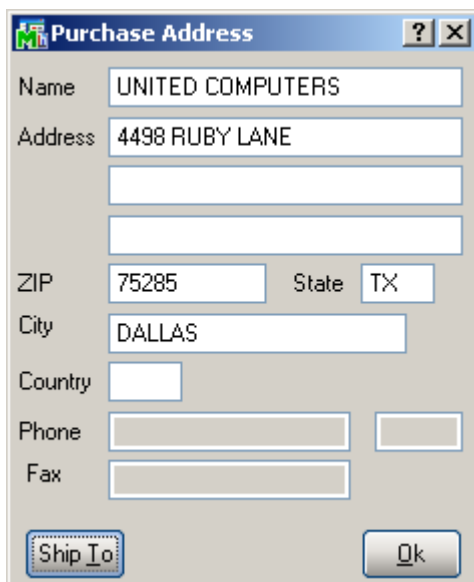
FOB

Confirm To KIRK TAYLOR

Comment

Ok

Click the **A** button to display the **Purchase Address** screen:



Purchase Address

Name UNITED COMPUTERS

Address 4498 RUBY LANE

ZIP 75285 State TX

City DALLAS

Country

Phone

Fax

Ship To

Ok



The **Ship To** button in this screen opens the **Ship To Address** screen:

Code: 0000

Name: ABC DISTRIBUTING COMPANY

Address: 3191 AIRPORT LOOP

ZIP: 92626 State: CA

City: COSTA MESA

Country: USA United States of America

Ok

The **L** button on the **Receipt of Goods Entry** screen displays the **Lines** screen:

2480-8-50 Tax TX UT

DESK FILE 8" CAP 50 LC

Whse	Ordered	Back Ordered
000	2.00	0.00

Cst 1,545.300 Ex. 3,090.60

Req. 06/25/2008 U/M CASE Add...

G/L 115-00-03 Rcvd 2.00

1	1001-HON-H254	334.00
	000	4.00 83.500
2	D1400	3,400.00
	000	4.00 850.000
3	MK_K	605.50
	000	7.00 86.500
4	2480-8-50	3,090.60
	DIST 000	2.00 1,545.300

Ins Del 7,430.10 OK

If an item has **Lot/Serial Number**, the **Lot/Serial Distribution** button displays the **Lot/Serial No. Distribution** screen:

Item 2480-8-50 U/M CASE

Lot Number JAN10

Available 5.25

Receive 2.00

Lot Number	Available	Distribute
JAN10	3.25	2.00

Balance 0.00

Range List... Accept

Click the **List...** button to distribute the line by Lot Number list.

Item 2480-8-50 U/M CASE

Lot Number JAN10

Available 5.25

Receive 2.00

Lot Number	Available	Distribute
101	96.99	0.00
10210	1.95	0.00
JAN10	3.25	2.00
MAR10	8.50	0.00

Balance 0.00

Range Distrib... Accept

The screenshot shows a dialog box titled "Lot/Serial No.- Distribution En...". It contains the following fields and controls:

- Item: GB-MD750
- U/M: EACH
- Serial Number: [Empty text box]
- Available: 0.00
- Receive: 0.00
- Buttons: OK, Undo
- Table headers: Serial Number, Available, Distribute
- Table body: [Empty table]
- Balance: 3.00
- Buttons: Range, List..., Accept

The **Range** button is available for Serial items and enables you to set range in the **Distribution Range** screen and perform distribution by the selected range:

The screenshot shows a dialog box titled "Distribution Range". It contains the following fields and controls:

- Selection: All
- Starting: 14-482
- Ending: [Hatched text box]
- Buttons: OK, Cancel

Item GB-MD750 U/M EACH

Serial Number 14-484

Available 1.00

Receive 1.00

Serial Number	Available	Distribute
14-484	0.00	1.00
14-485	0.00	1.00
14-486	0.00	1.00

Balance 0.00

Buttons: Range, List..., Accept

You can also add new items directly on the **Lines** tab of the **Receipt of Goods Entry**.

Enter an item number that doesn't exist in the **Inventory Management**.

NEW-001| Tax UT

LC

Whse Ordered Back Ordered

0.00 0.00

Cst .000 Ex. .00

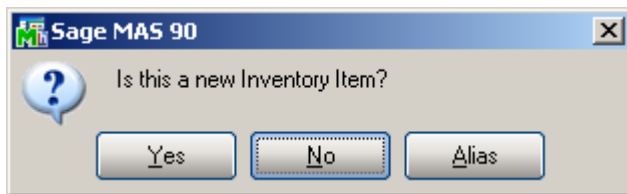
Req. U/M

G/L Rcvd 0.00

2	D1400		3,400.00
	000	4.00	850.000
3	MK_K		605.50
	000	7.00	86.500
4	2480-8-50		3,090.60
	DIST 000	2.00	1,545.300
5	GB-MD750		3,827.55
	000	3.00	1,275.850

Ins Del 11,257.65 OK

When pressing *Enter*, the following message box will appear asking whether or not to accept the new or Alias Item.

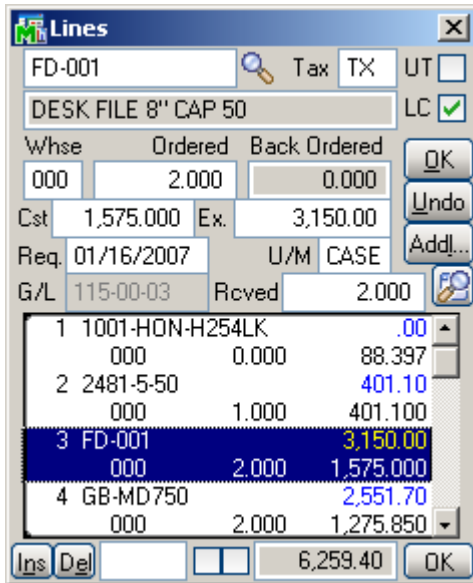


If you click **Yes**, the newly added **Item Maintenance** screen will appear for new item entry (**Item** number is the one entered on the **Lines** tab of the **Receipt of Goods Entry**).

A screenshot of the "Item Maintenance" window in Sage MAS 90. The window title is "Item Maintenance". It contains several input fields and dropdown menus. The "Item" field is "NEW-001". The "Copy From" field is "1001-HON-H254LK" with a magnifying glass icon. The "Desc" field is "ER LETTER FILE W/LCK" with a magnifying glass icon. The "Prod Ln" field is "WF&A" with a magnifying glass icon, and the "WORKSTATION FUR" text is visible next to it. The "Prd Tp" dropdown is "Finished Go" and the "Val." dropdown is "FIFO". The "P. Code" field is "STD" with a magnifying glass icon, and the "Proc." dropdown is "Buy". The "Wmnt." field is empty with a magnifying glass icon. Below these are fields for "St.Cst" (86.500) and "St.Pr." (135.000). There are also fields for "St U/M" (EACH), "Pr. U/M" (EACH), "No. of" (EACH), and "Sls U/M" (EACH), each with a "1" in a small box. At the bottom, there are "Acpt" and "Encl" buttons. The status bar at the bottom shows "IIG ABC 2/25/2008".

You can use **Copy from** lookup button to copy the fields of already existing items for the new one.

After filling in item related information in this screen and clicking **Accept**, you will be returned to the **Lines** tab of the **Receipt of Goods Entry**.



Whse	Ordered	Back Ordered
000	2.000	0.000

Cst	Ex.
1,575.000	3,150.00

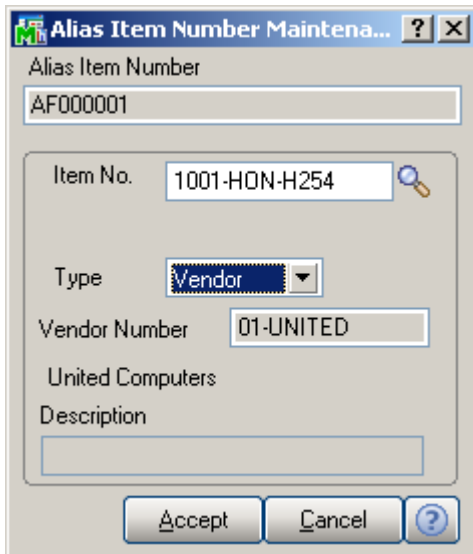
Req.	U/M	CASE
01/16/2007		

G/L	Rcvd
115-00-03	2.000

1	1001-HON-H254LK	.00
	000	0.000
		88.397
2	2481-5-50	401.10
	000	1.000
		401.100
3	FD-001	3,150.00
	000	2.000
		1,575.000
4	GB-MD750	2,551.70
	000	2.000
		1,275.850

Ins Del 6,259.40 OK

For Alias Items (when you click **Alias** button on the message box asking whether or not the entered item is a new item), the newly added **Alias Item Number Maintenance** screen will be displayed.



Alias Item Number  
AF000001

Item No. 1001-HON-H254

Type Vendor

Vendor Number 01-UNITED

United Computers

Description

Accept Cancel ?

When clicking **Accept**, you will be returned to the **Lines** tab, with selected item number specified as Alias item.

1001-HON-H254 Tax TX UT

HON 4 DRAWER LETTER FILE W/O LC

Whse Ordered Back Ordered

000 0.00 0.00

Cst 83.500 Ex. .00

Req. 06/25/2008 U/M EACH

G/L 115-00-03 Rcvd 0.00

4	2480-8-50		3,090.60
DIST	000	2.00	1,545.300
5	GB-MD750		3,827.55
	000	3.00	1,275.850
6	NEW-001		173.00
	000	2.00	86.500
7	1001-HON-H254		.00
	000	0.00	83.500

Ins Del 11,430.65 OK

2480-8-50 Tax TX UT

DESK FILE 8" CAP 50 LC

Whse Ordered Back Ordered

000 5.00 0.00

Cst 1,545.300 Ex. 7,726.50

Req. 01/11/2007 U/M CASE

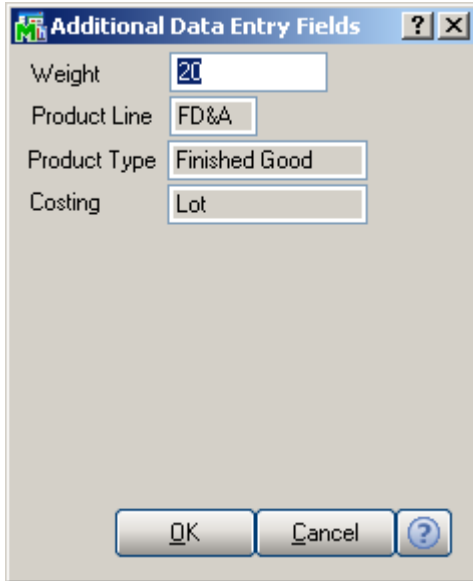
G/L 115-00-03 Rcvd 5.00

1	1001-HON-H252LK		37.15
	000	1.00	37.150
2	2480-8-50		7,726.50
	000	5.00	1,545.300
3	ASDF-0122		3,150.00
	000	2.00	1,575.000
4	1001-HON-H254		83.50
	000	1.00	83.500

Ins Del 10,997.15 OK

Additional

Click the **Add...** button to open the **Additional Data Entry Fields** screen:



Additional Data Entry Fields

Weight: 20

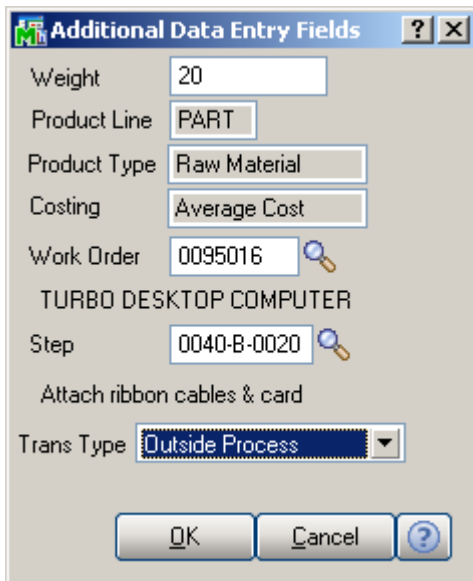
Product Line: FD&A

Product Type: Finished Good

Costing: Lot

OK Cancel ?

If the Job Cost (or Work Order) module is integrated with Purchase Order, the fields related to Work Order become available.



Additional Data Entry Fields

Weight: 20

Product Line: PART

Product Type: Raw Material

Costing: Average Cost

Work Order: 0095016

TURBO DESKTOP COMPUTER

Step: 0040-B-0020

Attach ribbon cables & card

Trans Type: Outside Process

OK Cancel ?

Enter the **Work Order** number representing the work order to which you want to distribute the cost associated with the line item. Click the Lookup button to list all work order numbers.

Enter the **Step** number for the selected work order against which you want to distribute the cost associated with the



line item. Click the Lookup button to list all step numbers for the current work order.

Select a **Transaction Type** to be used to record the cost of the line item. This field is available only if a work order number or step number was entered

Click the **T** button on the **Receipt of Goods Entry** screen to display the **Totals** screen:

Taxable Purch.	.00	Tag Dtl...
N/Tax. Purch.	.00	Landed...
Freight Amount	75.00	
S/Tax Amount	.00	
Invoice Total	75.00	
P/Pmnt Avail.	.00	
P/Pmnt Applied	.00	
P/Paid Check No.		Addtl...
Hld Pmnt <input type="checkbox"/>		Ok

**N/Tax.** stands for Non-Taxable,  
**S/Tax** for Sales Tax,  
**P/Pmnt** Prepayment,  
and **P/Paid** for Prepaid.  
**Hld Pmnt** stands for Hold Payment.

The **Landed...** button opens the **Landed Cost Entry** screen:

**Landed Cost Entry** ? X

Type  Amnt

Freight

Cost Type	Allocation Method	Amount
FRGHT	Cost	75.00

Total

Clicking the **Addl...** button in the Totals screen opens the **Totals Additional** screen:

**Totals Additional** ? X

COD Number

Less COD Amount

COD Check No.

Invoice Balance

Invoice Due Date

Discount Date

Discount Amount

Prepaid Freight

Bank Code  Security Pacific C

The screenshot shows the 'Lines' window with the following data:

Line	Item Code	Quantity	Price
1	2481-5-50	0.00	401.100
2	2481-5-50	0.00	401.100
3	2481-5-50	0.00	401.100
4	/C PLEASE HOLD SHIPMENT O ITEMS ARE AVAILABLE.		

The 'Ins' button and the 'Item Number' field are highlighted with a blue box. A callout box points to this area with the text: ++NEW++ and ++AUTO++

RFS Receipt of Goods works with bar code scanners.

If the **New** box is checked, the program will add items in new lines irrespective of their presence in the existing lines.

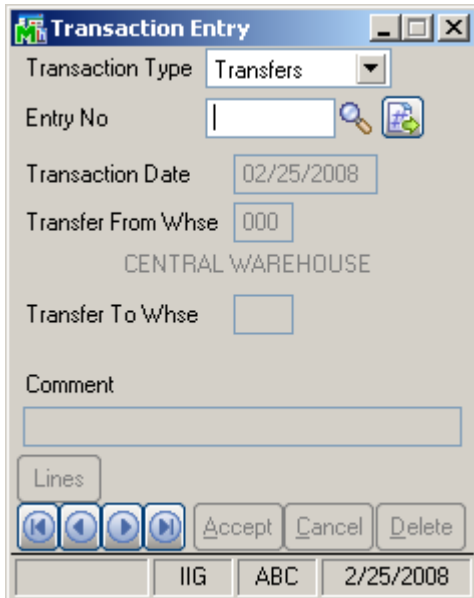
If the **Auto Increment** box is cleared, the program will find line with this item and select that line. You can increase the quantity in the line manually.

If the **Auto Increment** box is checked, the program will automatically increase the quantity of the item in the line where the received quantity does not exceed the ordered. A new line will be added only if there is no such line.

You can either check these boxes with the mouse or type in ++NEW++ or ++AUTO++ respectively in the Item Number field.

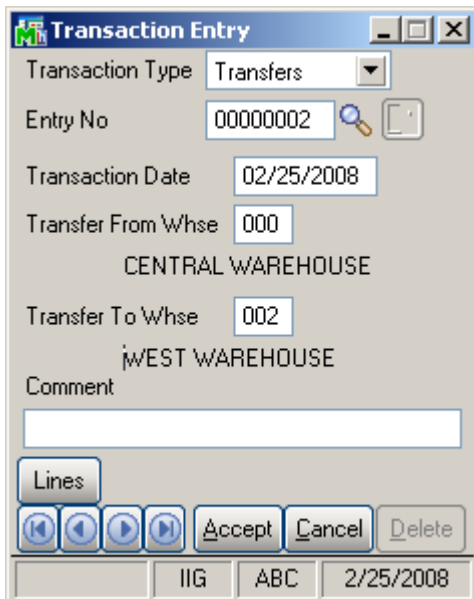
### Inventory Transaction Entry

The **Inventory Transaction Entry** screen allows entering Transactions of the **Transfer** and **Adjustment** types.



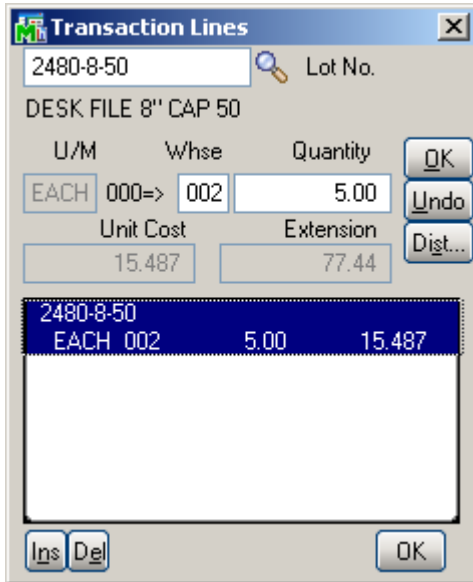
The screenshot shows the 'Transaction Entry' window. The 'Transaction Type' is set to 'Transfers'. The 'Entry No' field is empty. The 'Transaction Date' is '02/25/2008'. The 'Transfer From Whse' is '000' with 'CENTRAL WAREHOUSE' below it. The 'Transfer To Whse' field is empty. There is a 'Comment' text area below. At the bottom, there are navigation buttons (back, forward, etc.), 'Accept', 'Cancel', and 'Delete' buttons. A status bar at the very bottom shows 'IIG ABC 2/25/2008'.

Select **Transfers** in the **Transaction Type** drop-down list and click the **Next Entry Number** button. Enter the **Transfer Date**, **Transfer From** and **To Warehouses**, and **Comment**.



The screenshot shows the 'Transaction Entry' window with the following data entered: 'Transaction Type' is 'Transfers'; 'Entry No' is '00000002'; 'Transaction Date' is '02/25/2008'; 'Transfer From Whse' is '000' with 'CENTRAL WAREHOUSE' below it; 'Transfer To Whse' is '002' with 'WEST WAREHOUSE' below it. The 'Comment' text area is empty. The navigation and control buttons are the same as in the previous screenshot. The status bar at the bottom shows 'IIG ABC 2/25/2008'.

You can navigate through the Transactions using standard navigation arrow buttons at the bottom of the screen. Click the **Lines** button to open the **Transaction Lines** screen.

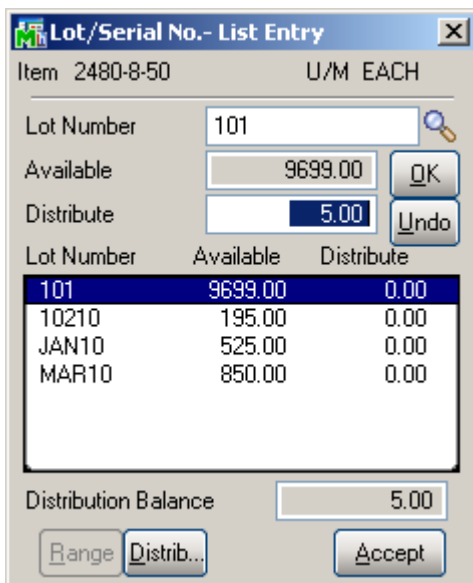


U/M	Whse	Quantity	Unit Cost	Extension
EACH	000=> 002	5.00	15.487	77.44

2480-8-50			
EACH	002	5.00	15.487

Select an Item or its General Alias. Enter the **To Warehouse** and **Quantity** to be transferred, and click **OK**.

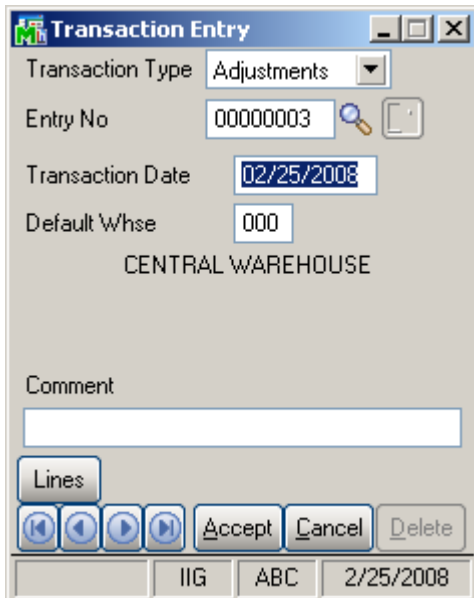
If the item is Lot/Serial, the **Lot/Serial Distribution** screen will be displayed.



Lot Number	Available	Distribute
101	9699.00	0.00
10210	195.00	0.00
JAN10	525.00	0.00
MAR10	850.00	0.00

Enter **Lot(Serial) Number**, and quantity to **Distribute**.  
The **List** button displays the list of all the Lot(Serial) numbers. Use the **Range** button to distribute to a range of serial numbers.

Select **Adjustments** in the **Transaction Type** drop-down list and click the **Next Entry Number** button.  
Enter the **Transaction Date**, **Default Warehouse**, and **Comment**.



The screenshot shows a 'Transaction Entry' dialog box with the following fields and controls:

- Transaction Type:** A dropdown menu set to 'Adjustments'.
- Entry No:** A text box containing '00000003' with a magnifying glass icon and a 'List' button.
- Transaction Date:** A date picker showing '02/25/2008'.
- Default Whse:** A text box containing '000', with 'CENTRAL WAREHOUSE' displayed below it.
- Comment:** An empty text area.
- Buttons:** A 'Lines' button, and a row of navigation buttons (Home, Left, Right, End) followed by 'Accept', 'Cancel', and 'Delete'.
- Footer:** A status bar showing 'IIG', 'ABC', and '2/25/2008'.

Click the **Lines** button to open the **Transaction Lines** screen.

Transaction Lines dialog box showing item details and a table of transaction lines.

Item: 2480-8-50  
 Lot No. (magnifying glass icon)  
 Description: DESK FILE 8" CAP 50

U/M: EACH, Whse: 000, Quantity: 2.000  
 Unit Cost: 15.656, Extension: 31.31

Item	U/M	Whse	Quantity	Unit Cost	Extension
2480-8-50	EACH	000	0.000	15.656	
1001-HON-H252	EACH	000	3.000		33.500

Buttons: OK, Undo, Dist..., Ins, Del, OK

For items with LIFO/FIFO Valuation, the distribution screen is displayed on entering the quantity.

Distribution Entry dialog box for item 1001-HON-H252.

Item: 1001-HON-H252, U/M: EACH

FIFO Date: 03/15/2010  
 Receipt No.: RC-0055  
 Available: 0.00  
 Distribute: 3.00

Quantity Remaining to Distribute is 3 EACH

Accept

For items with Lot/Serial Valuation, the distribution screen is displayed on entering the quantity.

Distribution Entry

Item 2480-8-50 U/M EACH

Lot Number JAN10

Available 525.00

Distribute 10.00

Qty Remaining to Dist. is 10 EACH

Accept

### Physical Count Entry

On the **Physical Count Entry** screen, enter the **Warehouse Code**, and make selections by **Bin Location**, **Item Number** and **Product Line**.

Physical Count Entry

Warehouse Code 000

CENTRAL WAREHOUSE

Selection All Starting Ending

Bin Location

Item Number

Product Line

All Product Lines

Navigation: [Left] [Right] [Home] [End]

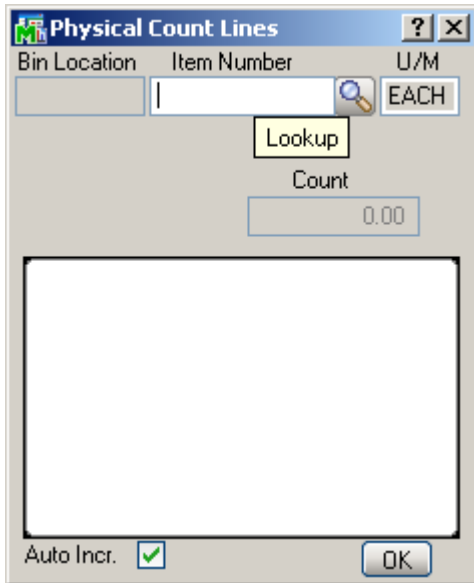
Buttons: Lines Accept

Status: Enter Wareh IIG ABC 2/25/2008

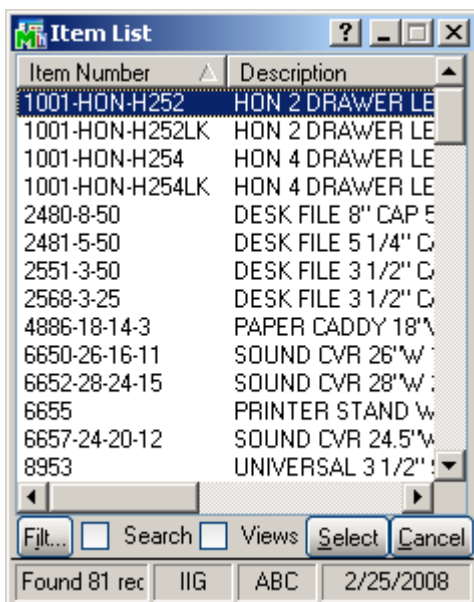
You can navigate through the Warehouses using standard navigation arrow buttons at the bottom of the screen.

Click the **Lines** button to open the **Physical Count Lines** screen.





The **Lookup** button opens the **Item List** screen.



**Item Bin Location** will be displayed for the selected item.

Bin Location	Item Number	U/M
E-300-10	1001-HON-H252	EACH

HON 2 DRAWER LETTER FILE W/O L

Count: 0.00

Bin Location	Item Number	U/M	Count
E-300-10	1001-HON-H252	EACH	0.00

Auto Incr.  OK

If the **Auto Incr.** box is cleared, the program will find the item and select that line. You can increase the count manually.

If the **Auto Increment** box is checked, the program will automatically count up the item just after entering/scanning the Item Number.

You can enter/select the Item number or its General Alias. If the selected Item is Lot/Serial, all the Lots (Serials) of the item are listed.

Select a lot item from the Item List.

Bin Location	Item Number	U/M
C-100-10	2480-8-50	EACH

DESK FILE 8" CAP 50

Lot Number: JAN10      Count: 2.00

Bin Location	Item Number	U/M	Count
C-100-10	2480-8-50	EACH	2.00
E-300-10	1001-HON-H252	EACH	0.00

Auto Incr.  OK

Enter lot number in the **Lot Number** field and click **Enter**.  
If the entered Lot Number exists in the list it will be selected, otherwise new Lot Number will be added in the list.

Bin Location	Item Number	U/M
C-100-10	2480-8-50	EACH

DESK FILE 8" CAP 50

Lot Number	Count
FEB10	1.00

Bin Location	Item Number	U/M	Count
C-100-10	2480-8-50	EACH	1.00
JAN10	EACH		2.00
E-300-10	1001-HON-H252	EACH	0.00

Auto Incr.  OK

If the **Auto Incr.** box is cleared, the Lot number with 0 count will be added. You can increase the count manually.  
If the **Auto Increment** box is checked, the program will automatically increase the count of the lot.

Enter ++**Auto**++ in the **Item Number** or **Lot Number** fields and Enter to check/uncheck the Auto Incr. box automatically.

Bin Location	Item Number	U/M
C-100-10	2480-8-50	EACH

DESK FILE 8" CAP 50

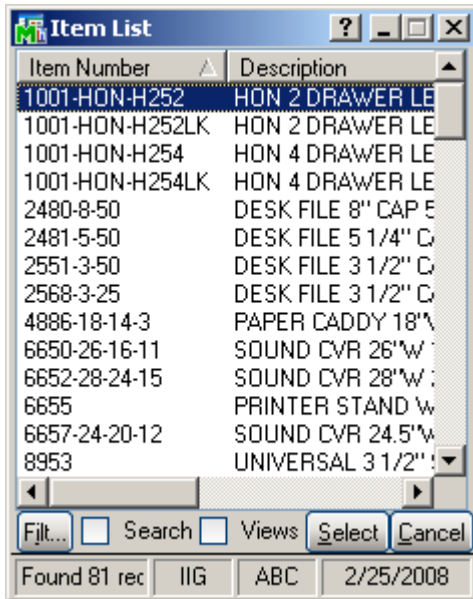
Lot Number	Count
++AUTO++	0.00

Bin Location	Item Number	U/M	Count
C-100-10	2480-8-50	EACH	0.00
FEB10	EACH		1.00
JAN10	EACH		2.00
E-300-10	1001-HON-H252	EACH	0.00

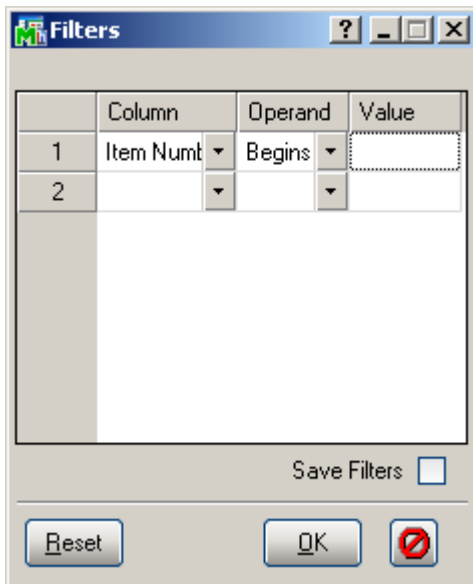
Auto Incr.  OK

### Lookups in RFS

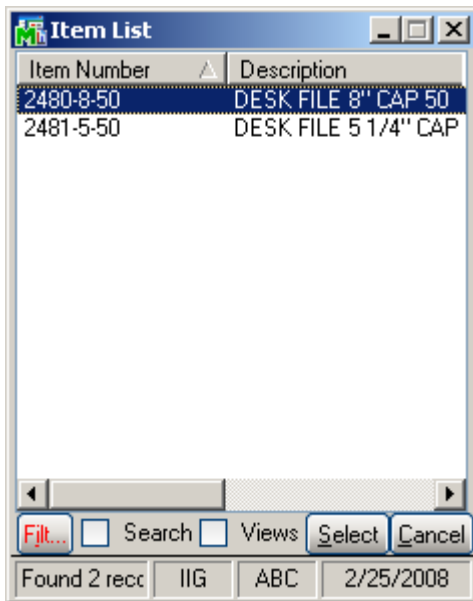
Lookups in the RFS enhancement enable all the functionality the standard MAS 90 lookups have (except for the Zoom button). The starting symbols can be entered before clicking the Lookup button to narrow the displayed items list.



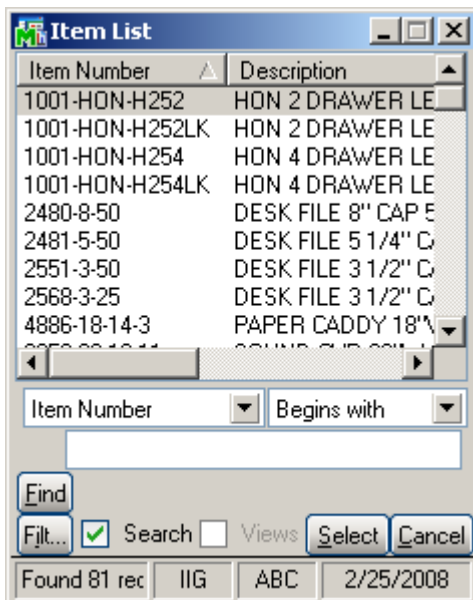
The **Filt...** button enables setting **Filters**.



After applying the filters, the **Filt...** button appears red.

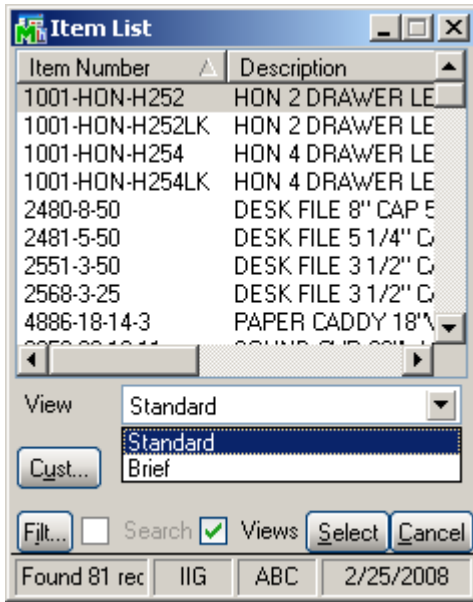


Check the **Search** box to specify search criteria in the displayed fields. Click **Find** to search with the entered criteria.

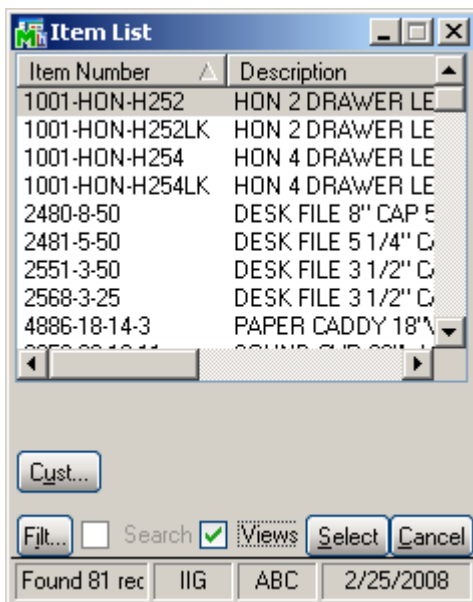


Check the **Views** box to work with lookup views.

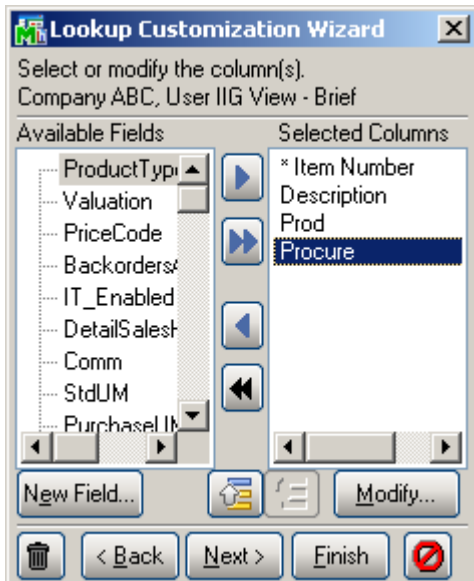
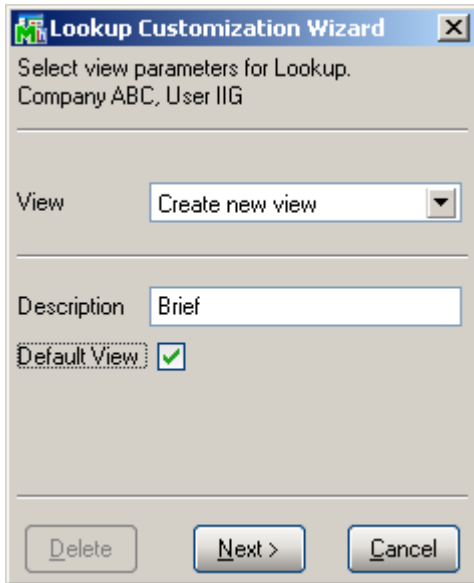
Select a view from the **View** drop-down box to switch to that view.

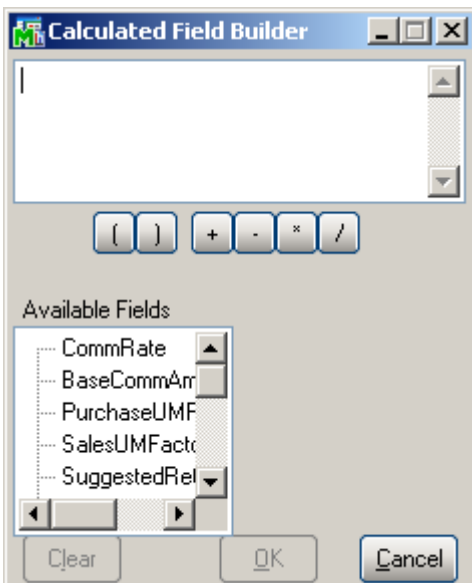
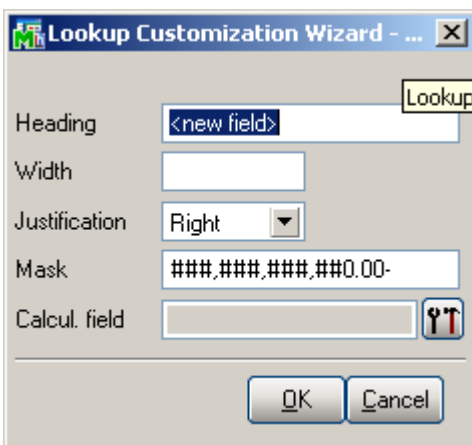
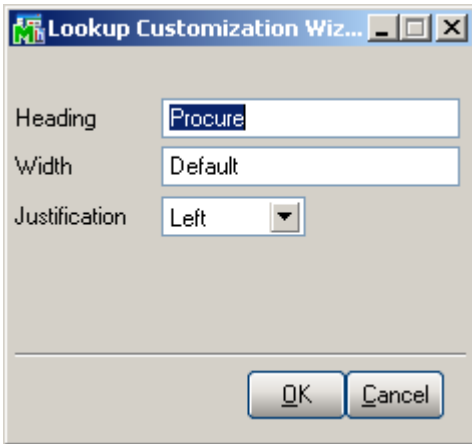


If there is no custom view, the **View** drop-down box is not visible.

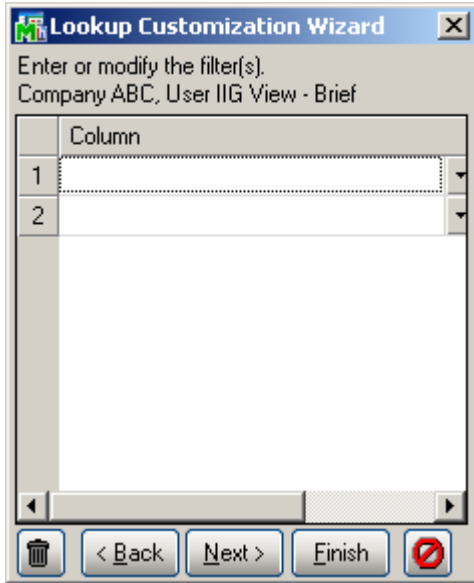


Click **Cust...** button to create new or change an existing view.









### UPC Processing in RF Warehouse Automation

**Note:** You must install the UPC enhancement after installing RFS on your system. Don't forget to run the SWTEMP program after UPC installation.

If you have IIG's UPC (Universal Product Codes Processing) enhancement installed and the UPC options setup in your system then you can use the UPC codes instead of Item Numbers in all entries where Item number is used.

Here is an example of Receipt of Goods. Scan the UPC code and click Ok.

Whse	Ordered	Back Ordered
	0.00	0.00

Cst	Ex.
.000	.00

Req.	U/M

G/L	Rcvd
	0.00

1	/C01 PLEASE SEND TO THE ATT
2	6655
	000
	0.00
	81.250

The Item Number corresponding to the scanned UPC code is added to the lines.

Line	Whse	Ordered	Back Ordered
1	000	5.00	0.00
2	000	3.00	81.250
3	000	5.00	78.300

Summary: 635.25

## RF Warehouse Automation for Multi-Bin Processing

The **RF Warehouse Automation** enhancement works with the IIG Multi-Bin Processing enhancement, and can be installed over the previously installed Multi-Bin Processing enhancement. For details on installing Multi-Bin Processing, see the Multi-Bin Processing manual.

The **Multibin Physical Count Entry** and **Bin Transfer** menus become enabled for the MBN system.

- Shipping Data Entry
- Receipt of Goods Entry
- Inventory Transaction Entry
- Physical Count Entry
- Multibin Physical Count Entry
- Bin Transfer

Buttons: Proceed, Shut Down

**Multibin Physical Count...**

Warehouse Code

EAST WAREHOUSE

Selection All Starting Ending

Bin Loc.

Item No

Product Line     
 All Product Lines

Lines Accept

Enter Wareh IIG ABC 5/12/2008

**Multibin Physical Count Entry**

Lot/Serial No

U/M  Count

Bin Num...	Item/Lot/Ser No	Count
	MARCH	4.00
A-A1-001...	2480-8-50	0.00
	MARCH	5.00
A-A1-002...	2480-8-50	0.00
	MARCH	1.00
A-A2-001...	2480-8-50	0.00
	LOT001	2.00
A-A2-003...	2480-8-50	0.00
	MARCH	3.00
A-A2-005...	2480-8-50	0.00
	MARCH	2.00

Auto Increment  Keep Bin

I/M Bin Transfer Batch Num... ? X

Batch Number 00019

Batch Description

OK Cancel Delete

Enter Batch IIG ABC 5/12/2008

Bin Transfer Entry

Whse 001 EAST WAREHOUSE

1001-HON-H25 HON 2 DRAWER LET

00019

From A-A1-0010-\_\_ OK

Qty 2.00 Avail. 12.00 Un

A-E3-0010-\_\_ Del

Whse	Item Number	Lot/Seri
001	1001-HON-H252	

✓ ✓ ✓ S. All U All D.S.L Can Print

IIG ABC 5/12/2008

## Appendix

### *An example of RFS 4.20 Installation on handheld devices*

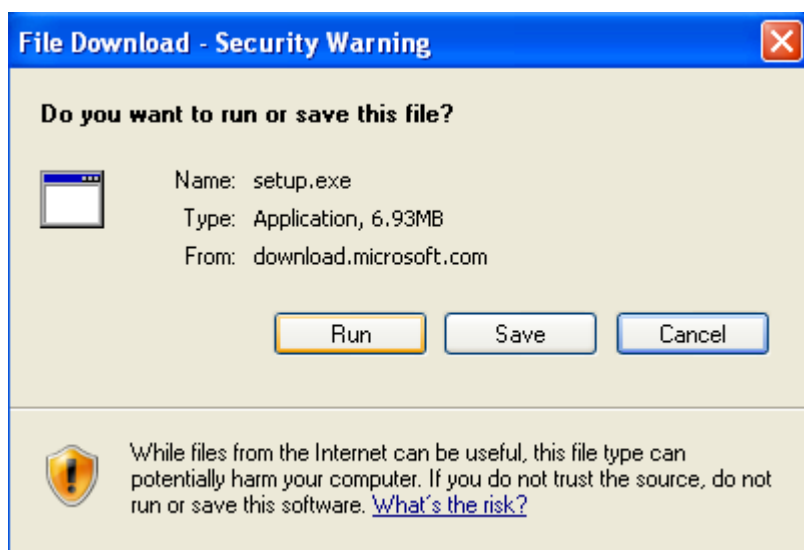
1-Microsoft Active Sync should be installed on the computer:

1-Download:

<http://www.microsoft.com/downloads/details.aspx?FamilyID=7269173A-28BF-4CAC-A682-58D3233EFB4C&displaylang=en>

(If this link didn't work easily open [www.google.com](http://www.google.com) and search for "Download Microsoft Active Sync")

2-Click on Run



3-On Welcome Page Click Next

4-Accept License Agreement and click next

5-Enter Customer Information and click next

6-Choose Destination folder and click next

7-Install...

8-Finish

2-After Installation of Microsoft Active Sync connect your PDA to the computer using USB Cable and select Guest Partnership (No) and click next.



3- In order to make connection between handheld device and Citrix server, Citrix ICA client for windows CE has to be installed on PDA:

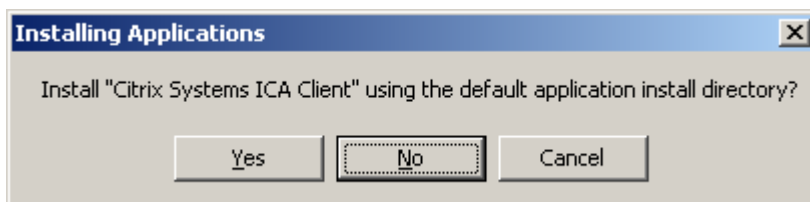
1-Download Citrix ICA client for Windows CE on your computer:

<http://www.citrix.com/site/SS/downloads/details.asp?dID=2755&downloadID=3602>  
(If this link didn't work easily open [www.google.com](http://www.google.com) and search for "Citrix ICA client for windows CE")

2-Installation:

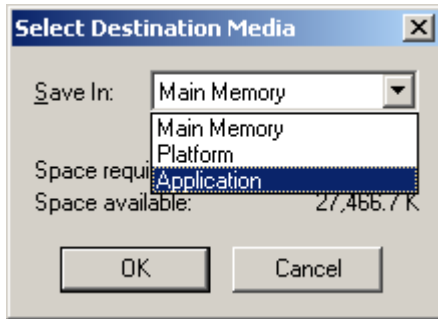
1-Run cesetup.exe

2-It will ask for installation path:



3-Click on "No" button

4-following screen will pop up:



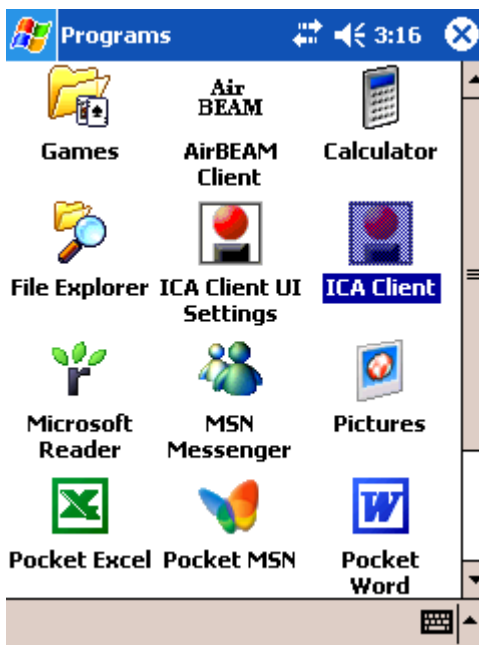
Choose “Application” option from drop down list and click “OK” and follow the installation on PDA screen to complete the installation. It will add two icons on PDA’s Programs screen:

5-finish

4- Configuration of RFS on Handheld Device:

1-On handheld Device Click on Start then Programs

2-Choose ICA Client





## 3-Create New Connection



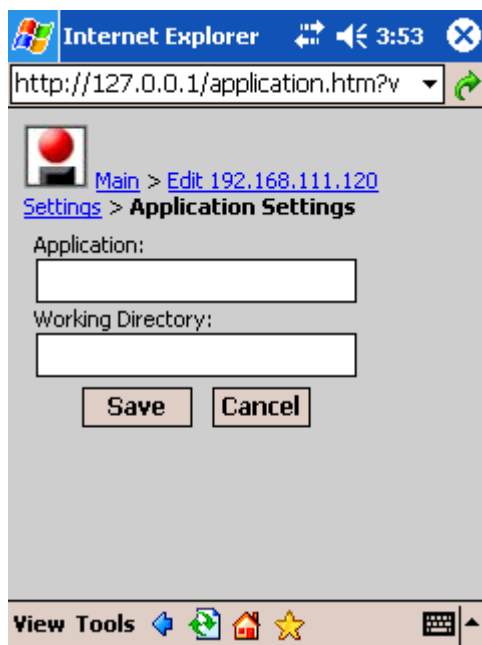
## 4-Enter the Citrix Server IP address



5-Save

6-Edit

## 7-Edit Application Settings



8-In this step you need to know the MAS 90/200 running address on Citrix Server. So, Login to the CITRIX Server and Right-click on the MAS 90/200 program Shortcut and select properties then write down the Address in Start-in path.

According to Shortcut address on Citrix Server fill the Application and working Directory fields:

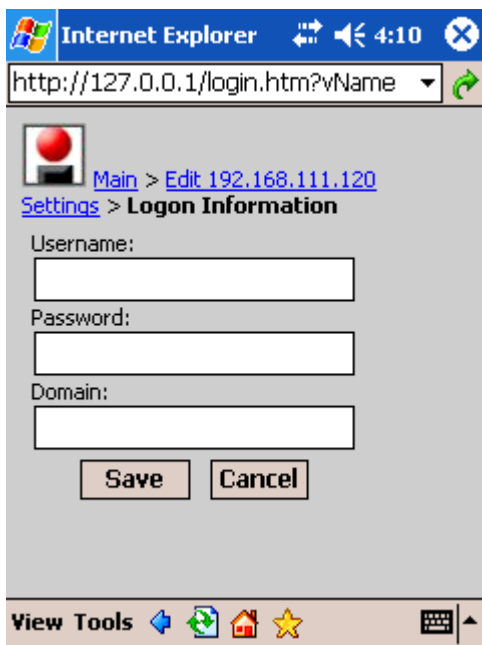
Application: your path\MAS90\Home\pvxwin32.exe -hd ..\launcher\sota.ini  
..\soa\RFS\_Startup.m4p

Working Directory: your path\MAS90\Home

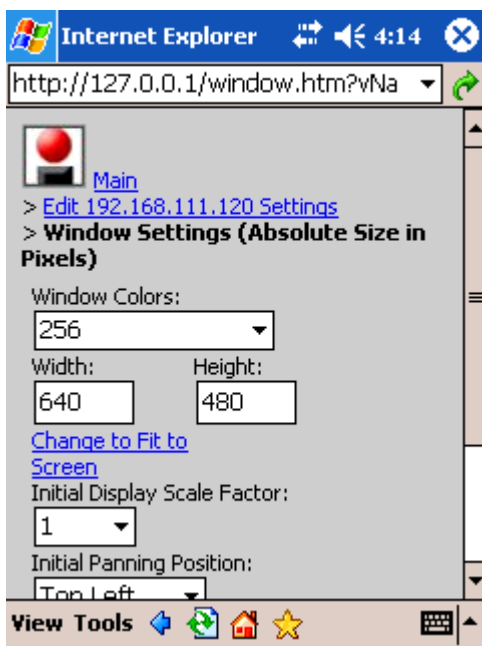
(Where *your path* stays for the path to your MAS 90/200 Start-in path, e.g. D:\MAS\Mas410\Rfs).

10-Save

11-Click on Edit link and click on Edit Logon Information.



- 12-Enter your Citrix server logon Username, Password and Domain and save it.
- 13-Click on “Edit <citrix server IP address> Settings” link and click on “Edit Windows Settings”



- 14- Click on “Change to Fit to Screen” link and save it.
- 15- Finish

## Sample

### For the setup of Symbol MC9090 handhelds

#### **AD Prep and Documentation**

Allocate the handheld's IP address, HH username, and hostname. Place adhesive labels on the handheld using the format "HH<##> <hostname> <IP address>". Update info on the Handheld IP's Excel Spreadsheet.

#### **Initial Handheld Setup**

1. Immediately place the unit in the charger to ensure the backup battery becomes fully charged. Once the handheld is charged, proceed to the next step, removing the handheld from the charging unit. (Charging will be more rapid if the handheld unit remains powered off.)
2. Click on the Start button and set the system time.
3. Enter the hostname of the handheld and its description.
  - Go to Start > Settings > System tab > About > Device ID tab > Device name:
  - (In the Description field, input the HH user who will be using the handheld.)
  - Click OK to exit.
4. From the main screen, disable 802.11d wireless access by using the Wireless Options tool.
  - Select the wireless icon on the lower right of the screen, and then select Options from the pop-up menu.
  - From the drop-down menu, select "Regulatory", then clear the "Enable 802.11d" checkbox.
  - Click Save to save changes, then Exit.
5. **For P3 handhelds only** – Enable both 2.4 GHz and 5.0 GHz bands for wireless connectivity.
  - Select the wireless icon on the lower right of the screen, and then select Options from the pop-up menu.
  - From the drop-down menu, select "Band Selection" and ensure that both "2.4 GHZ Band" and "5 GHz Band" are selected.
  - Click Save to save changes, then Exit.
6. Connect the handheld to your company wireless network
  - Select the wireless icon on the lower right of the screen, and then select "Find WLANs" from the pop-up menu.
  - Once the scan for WLANs has finished, select and hold your stylus over the "yournetworkname" WLAN, then select Connect to initiate the connection wizard. Enter the following settings:
    - Profile ID – accept both defaults, which should be "yournetworkname". Click Next to continue.
    - Operating Mode – accept both defaults, which should be "Infrastructure" and "Allow Any Country". Click Next.

- Authentication – accept default “none”. Click Next.
  - Encryption – use the drop-down menu to select “40-Bit WEP”. Accept the default Key Index of 1 and leave the “Use Passkey” checkbox unchecked. Click Next.
  - 40-Bit WEP – replace the password fields with 10 lowercase a’s: aaaaa aaaaa. Click Next.
  - IP Address Entry – Use the drop-down menu to change the option to “Static”. Click Next. Enter the IP Address and Subnet Mask, then check the Advanced check box. Click Next. Leave the G/W field blank, enter DNS server info, and leave the WINS field blank. Click Next.
  - On all remaining screens, accept all defaults. You will then be back at the Manage Profiles screen. Click OK to exit.
  - If you are prompted with a pop up box that says “Establishing Connection”, choose the “Work” connection.
  - On the lower right corner of your screen, you should see your wireless status indicator either in red, yellow, or green, indicating the strength of your wireless signal.
7. Test connectivity to your LAN.
- Click on the wireless status icon in the lower right corner of your screen and select “Wireless Diagnostics” from the popup menu.
  - Select ICMP Ping.
  - In the IP field, enter 172.16.1.1, and click on Start Test.
  - Monitor the Total Tx and Total Rx indicators to ensure you are able to ping the company gateway.

### **Installing The Datawedge Application**

1. Place the handheld in a charger and connect the charger via a USB cable to a computer that has Microsoft ActiveSync installed.
2. Upon your computer’s registering the connected mobile device, navigate through the Active Sync wizard, indicating that there is nothing you want to synchronize. If your system does not connect to the handheld, try adjust the “USB to PC” setting on the handheld. By default the “Enable advanced network functionality” checkbox is checked. You should uncheck it if you experience any connectivity issues.
  - Go to Start > Settings > Connections tab > USB to PC
3. Go to your computer, and select the “Explore PocketPC” option from the Tools menu of Active Sync. This will open an Explorer window into your handheld.
4. Copy the appropriate Datawedge components, as excerpted below from Symbol’s documentation:
  - Unzip the DataWedge download package (if necessary) into a temporary folder on the PC.
  - Copy “\Bin\PPC\DataWedge.exe” from the PC to the \Application folder on the device.
  - Copy “\Application\DataWedge.cpy” from your PC to the \Application folder on the device.

5. Browse to the \Application\Bin\PPC\DataWedge.exe file, hold the stylus on the file until the popup menu appears, and select Copy.
6. Paste the shortcut into the Windows\Startup folder on the handheld. (If you cannot see the Windows folder, you may need to enable the option to unhide hidden and system files on your computer.) Then manually launch Datawedge by selecting it while you are still in the \Windows\Startup folder.
7. Click on the DataWedge icon in the lower right corner of your screen, and from the popup menus, go to Barcode > Prefix/Suffix.
8. Check the checkbox that says "Send ENTER key after suffix"
9. Click OK to exit.
10. Test the scanner by opening Word Mobile and performing a test scan.
  - Go to Start > Programs > Word Mobile
  - Click on New to create a new document if no other test document is available.
  - Scan a barcode and observe the data in Word Mobile. Each successive scan should be on its own line.
  - Exit until you get the handheld's main screen.

### **Installing the Citrix ICA Client**

1. From your computer make sure that the handheld has been able to reconnect to your computer, and run the Citrix CE client program, cesetup.exe. Click OK when prompted.
2. Your computer will now display a message stating that you should check the handheld for any further messages to finish this installation. Click OK and proceed to your handheld...
3. Your handheld should now be asking you a location to which you want to install the Citrix client. Accept the default, which should be "Device", then click "Install" on the lower left corner of your screen.
4. Click on "I Accept" to accept the license agreement.
5. After the program installs, you will receive a confirmation message that installation was successful. Click OK to exit.
6. Warm boot the handheld to verify that DataWedge loads on startup.
7. Disconnect the handheld from the cradle and terminate your Active Sync session, as wireless access may be disabled while connected to Active Sync.

### **Connection Settings For Wireless Citrix Environment**

1. Open the Citrix ICA client configuration utility.
  - Go to Start > Programs > ICA Client
2. From the main menu, select PN Agent Properties.
3. Select "Enable PN Agent".
4. In the Server URL field, enter the IP address 172.16.1.195, then click on the Save button.
5. If the connection is made, you will be presented with a Login Details screen. Enter the below details:
  - Username: the HH<##> ID of the handheld.
  - Password: the default password.
  - Domain: "your domain name"

6. Check the "Save Password" checkbox, and then click OK.
7. When the screen refreshes, scroll down and click on the Save button one more time.
8. At the top of that screen, click on the "Main" hyperlink.
9. Click on Edit Global Settings.
10. Click on Edit Preferences.
11. Scroll down to the "Enable Full Screen (No Local Taskbar)" checkbox, and check it.
12. Scroll to the bottom of the screen, and click Save.
13. Click the X to exit.
14. You should now be at the Programs Screen. Click the X to exit to the Main screen of the handheld.

### Setting up a Connection to MAS

1. Configure the appropriate menu settings.
  - Go to Start > Settings > Personal tab > Menus
2. Scroll down the Menus page until you see the "T200" icon, and select it. Click OK to exit.
3. The T200 icon should now appear on the Start Menu.
4. Click on the T200 icon to initiate a connection to MAS.
5. Enter the appropriate User ID and corresponding password.
6. If this is the first time you have connected to MAS using this handheld, MAS will prompt you for the company code you wish to access. Enter TGL and select OK.
7. You should now be at the MAS 90 for Win CE main menu. Select Shut Down to exit MAS. You will be returned to the handheld's main screen.

### Notes

1. In the event that the handheld is cold booted, most (if not all) of the setup steps will need to be repeated. A warm boot will cause no loss of settings.

**When resetting after a cold boot, make sure to rename the handheld to the appropriate hostname BEFORE configuring the Citrix environment. This will aid in not causing duplicate terminal server licenses from being issues to the same handheld. Also make sure the handheld is not connected to Active Sync.**