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.

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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.

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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 MAS90/200 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\Mas410\Rfs).

Type the path to the MAS 90/200 system using mapped drive.
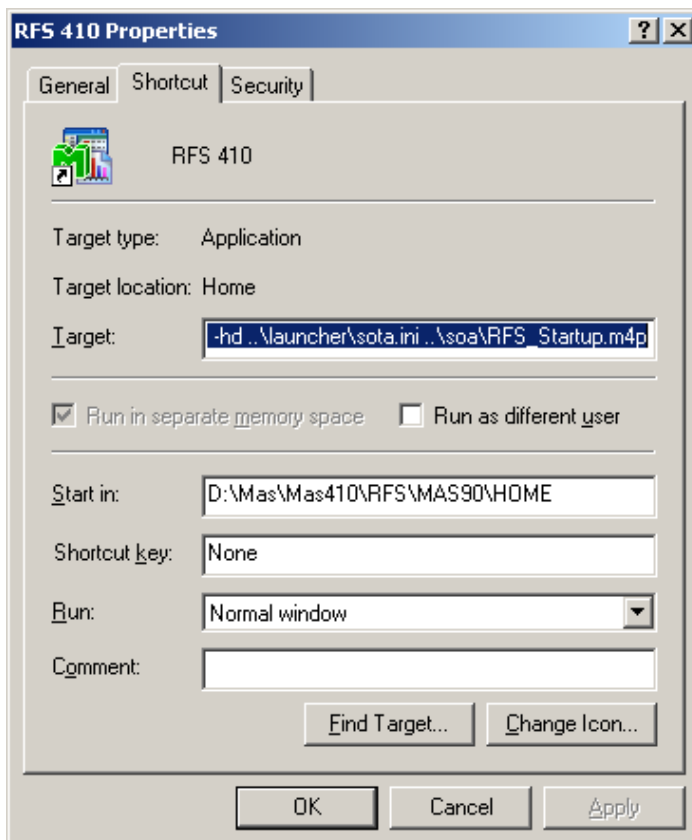
Click **Ok** or **Apply** to save this change.

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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**.

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:

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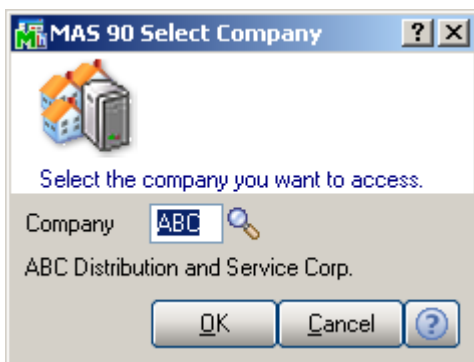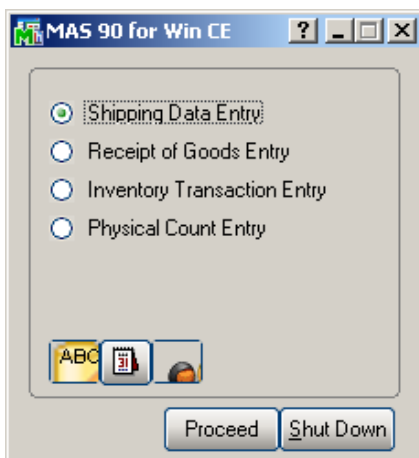
The **MAS 90 for Win CE** launcher enables you to work with **Shipping Data**, **Receipts of Goods**, **Inventory Transaction** (**Transfer** and **Adjustment**) and **Physical Count**.

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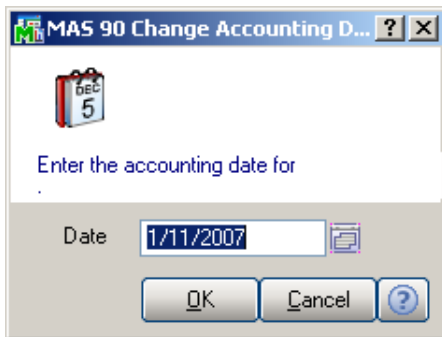
The **Shut Down** button closes MAS 90 for Windows CE.

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.

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.

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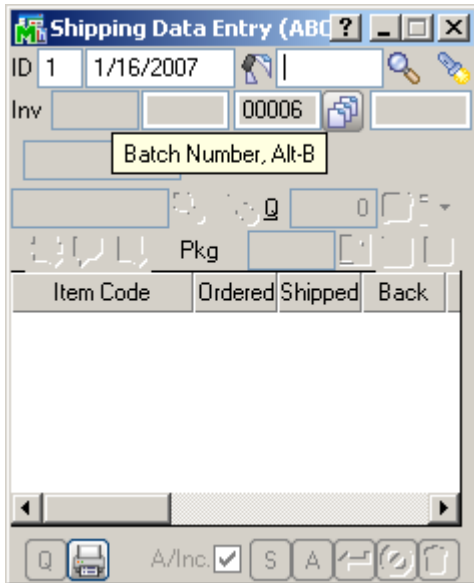
The **Shipping Data Entry** screen enables you to enter shipping data.

Shipper ID, Clear, Order No, Lookups
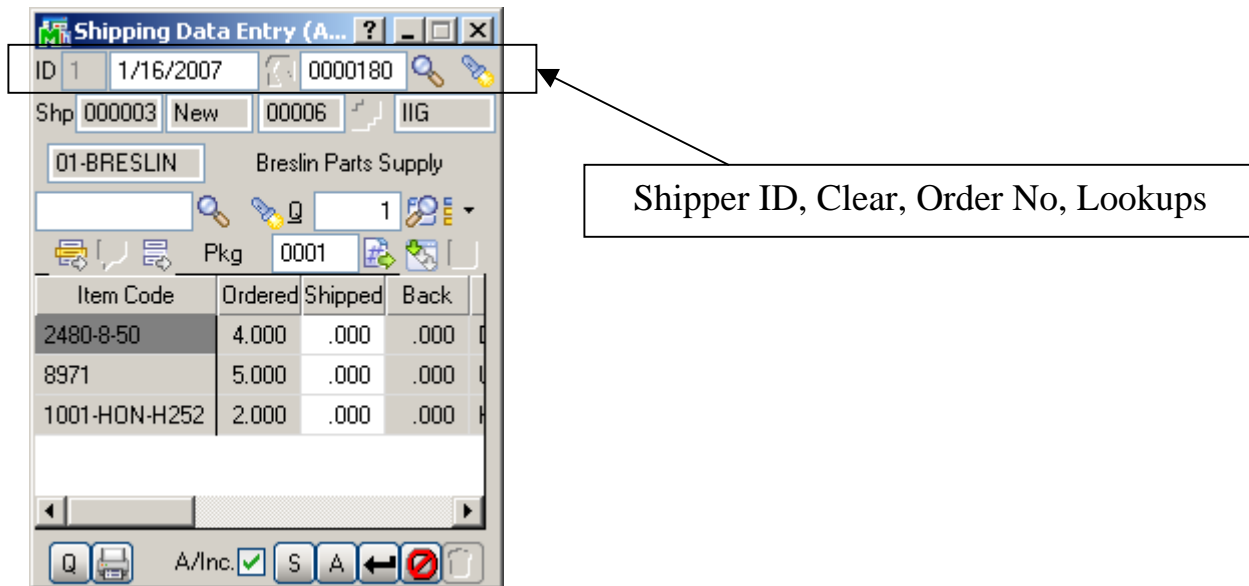
S/ID is Shipper ID.
 is Clear. Next to it is the Order No.
First **Lookup** displays the Sales Order List, to ship the selected Order. Second lists already entered Shipments.
Shp. is the Shipping Number and Status.
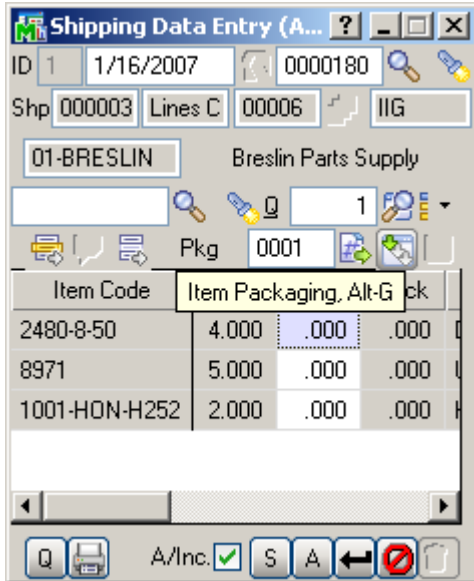
Click the **Item Packaging (Alt-G)** button to open the Item Packaging Maintenance.
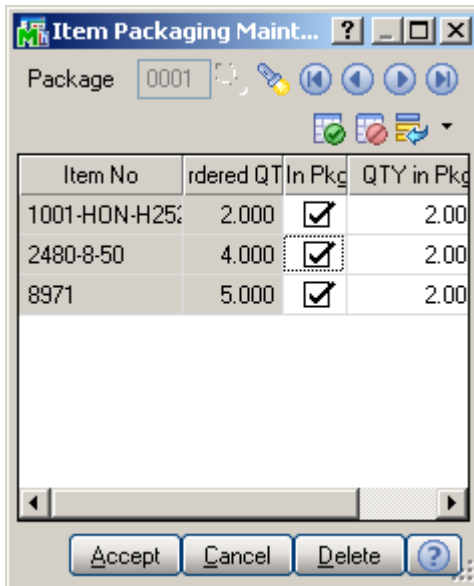
You can create the Next Package by the help of Next Package No. button.

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

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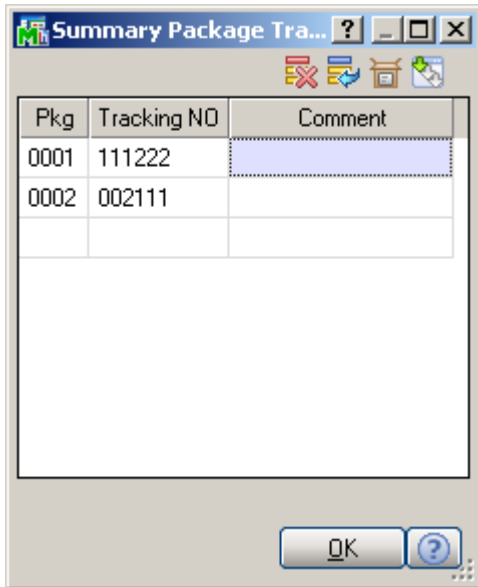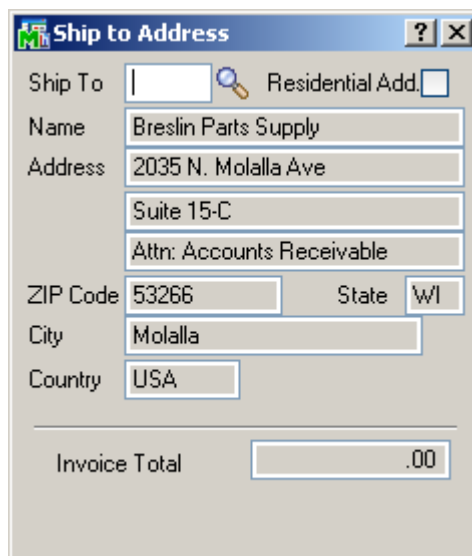
Tracking

The **Tracking…** button opens the **Summary Package Tracking Maintenance** screen.
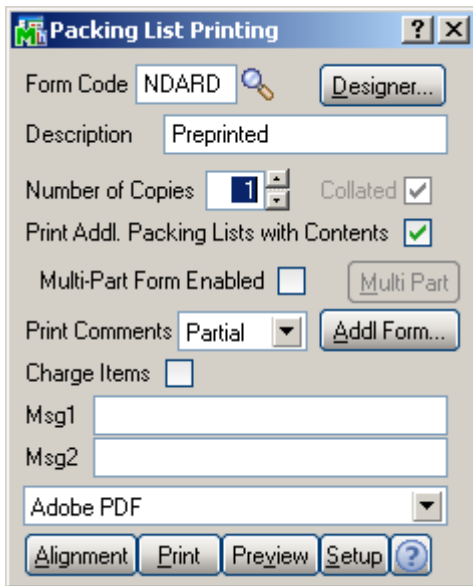
The **A** button in the Shipping Data Entry screen opens the
Ship To Address screen.

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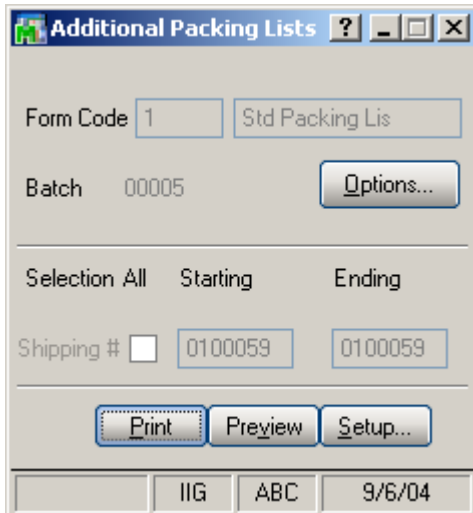
Graphical Crystal printing is available.
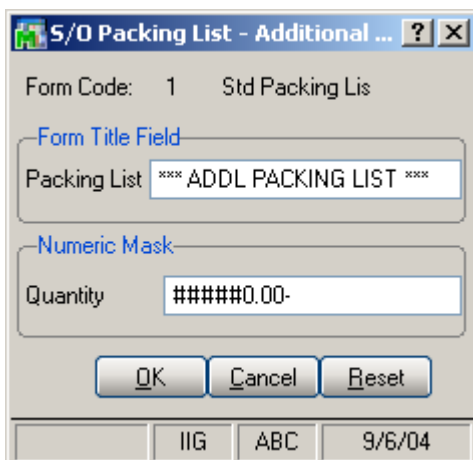
 If the **Addit. Packing Lists** box is checked, the
Additional Packing Lists screen is displayed after printing
(or previewing), allowing to print the additional lists.

Click the **Options** button to open the **Form Options** screen:

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.
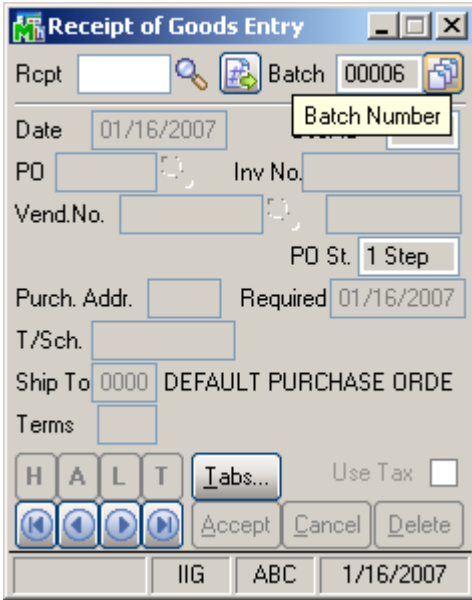
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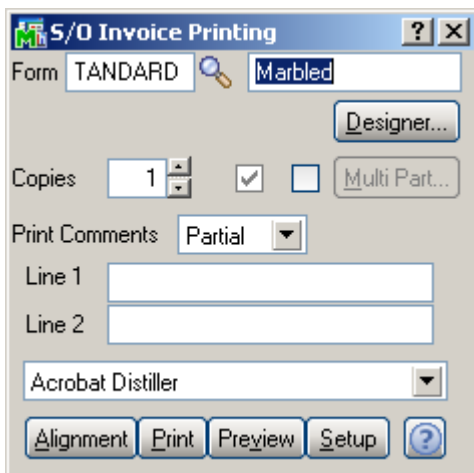
Receipt of Goods Entry

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.

P/O Batch Number	
Batch No.	
Private Batch	☐

Batch Totals

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

OK **Modify** 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 **Receipt
of Goods Entry**, and can be changed using the **Batch
Number** button.

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

Maintain Tab Settings
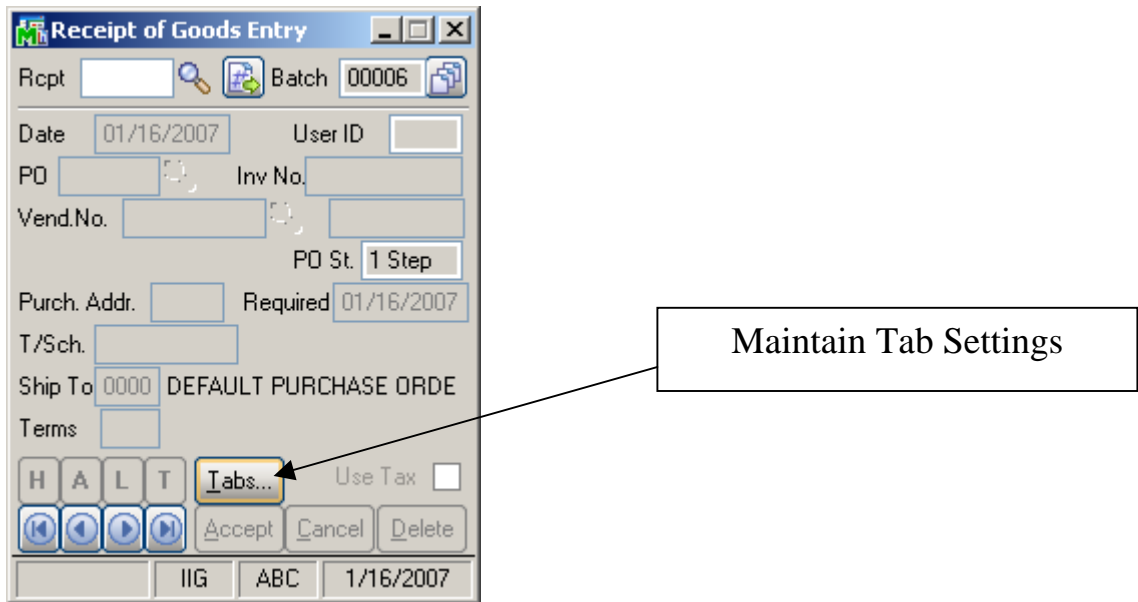
Clicking the **Tabs…** button displays the **Maintain Tab Settings** screen.
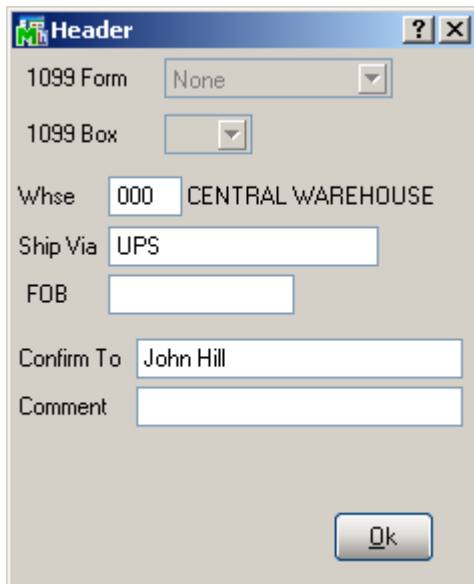
Enter Receipt Number in the **Rcpt No**. field or click the # (Next Number) button to create new receipt.

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:

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

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

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

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

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

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:

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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**.

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

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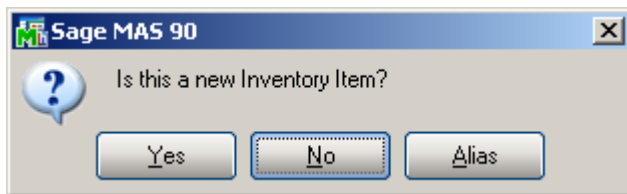
If you click **Yes**, the newly added **Item Maintenance** screen will appear for new item entry (**Item** number is the one entered on the **Lines** tab of the **Receipt of Goods Entry**).

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**.

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.

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

Click the **Addl…** button to open the **Additional Data Entry Fields** screen:

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

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:

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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:

Clicking the Addtl… button in the Totals screen opens the
Totals Additional screen:

++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.

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**.

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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.

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.

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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.

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

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

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

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Physical Count Entry

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

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.
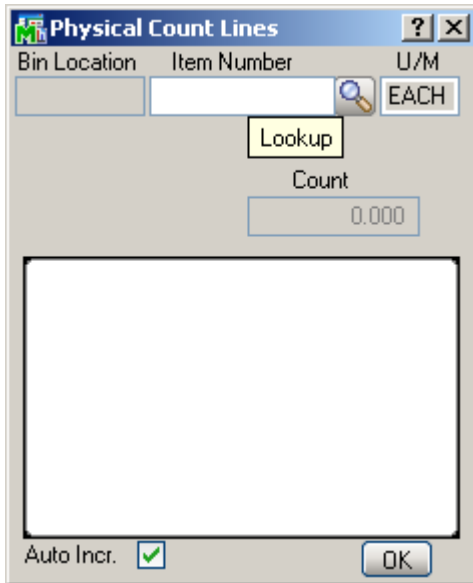
The **Lookup** button opens the **Item List** screen.
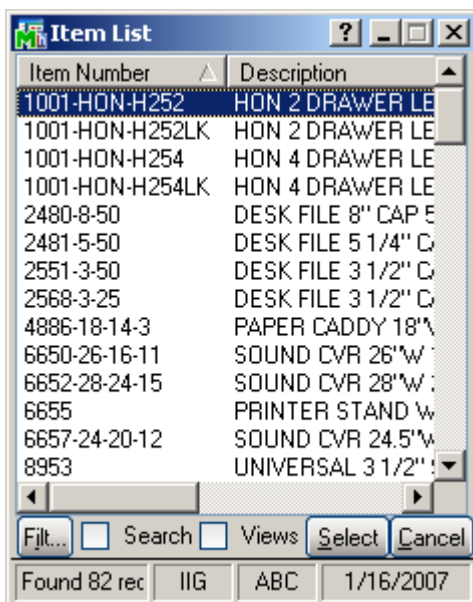
Item Bin Location will be displayed for the selected item.

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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.

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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.

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.

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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.
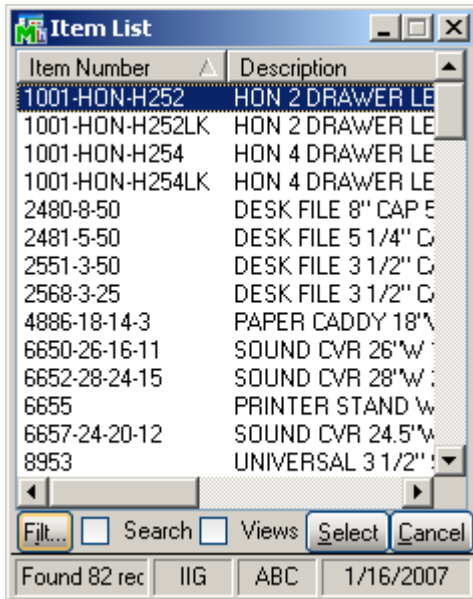
The **Filt…** button enables setting **Filters**.
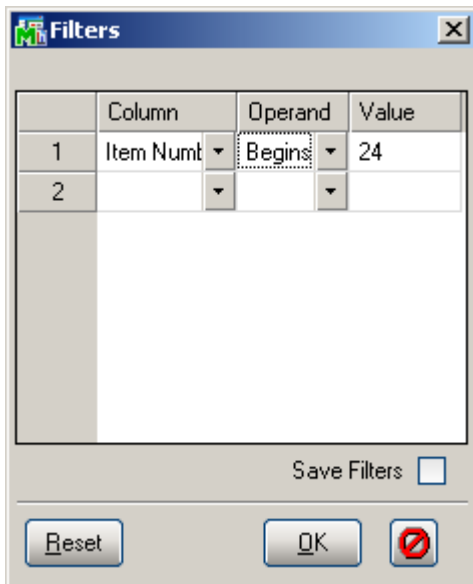
After applying the filters, the **Filt…** button appears red.
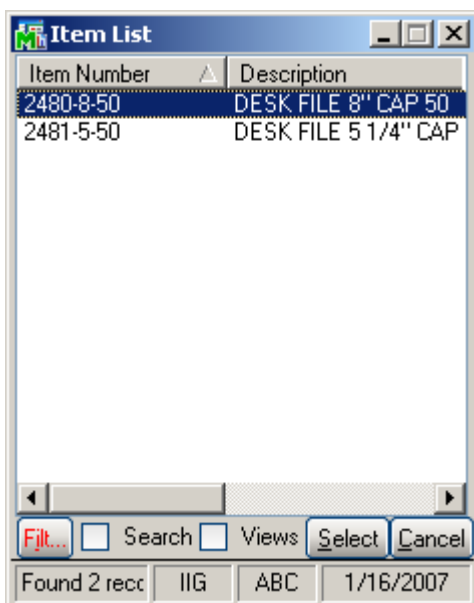
Check the **Search** box to specify search criteria in the
displayed fields. Click **Find** to search with the entered
criteria.
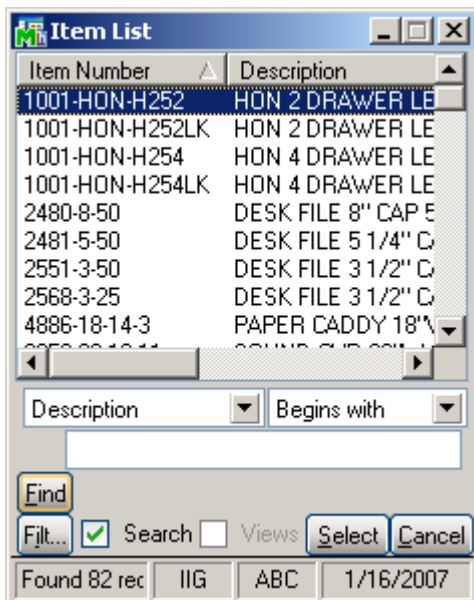
Check the **Views** box to work with lookup views.

Select a view from the **View** drop-down box to switch to
that view.
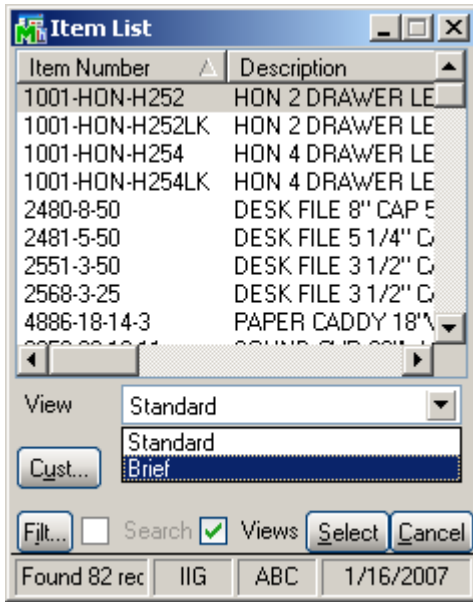
If there is no custom view, the **View** drop-down box is not visible.
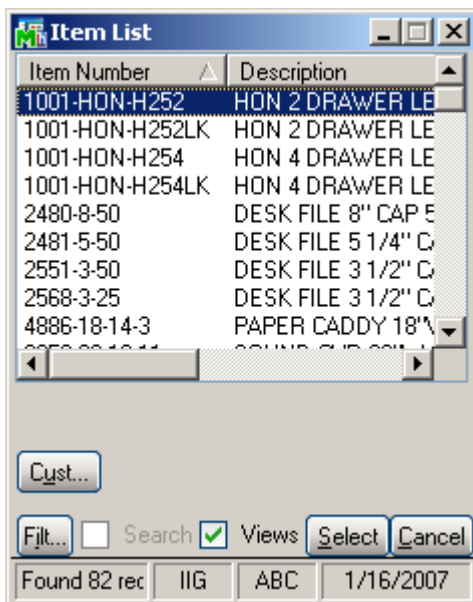
Click **Cust…** button to created new or change an existing view.

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Lookup Customization Wizard – ...

Heading	Procure
Width	Default
Justification	Left

[OK] [Cancel]

Lookup Customization Wizard – ...

Lookup

Heading	<new field>
Width	
Justification	Right
Mask	###,###,###,##0.00-
Calcul. field	

[OK] [Cancel]

Calculated Field Builder

( ) + - × /

Available Fields

CommRate
BaseCommAmoun
PurchaseUMFacto
SalesUMFactor
SuggestedRetailPr
StdPrice
StdCost

[Clear] [OK] [Cancel]

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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.

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

Appendix

Installation of RFS 4.10 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
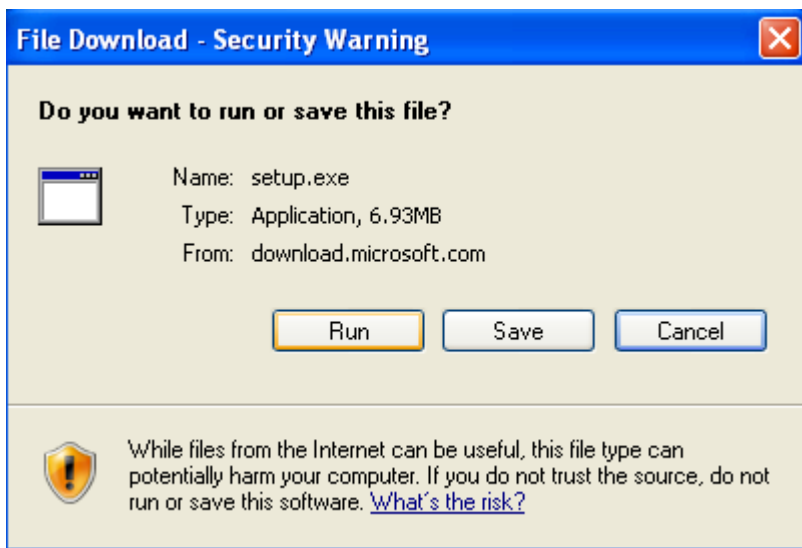(If this link didn't work easily open **www.google.com** and search for "Download
Microsoft Active Sync")
2-Click on Run

3-On Welcome Page Click Next
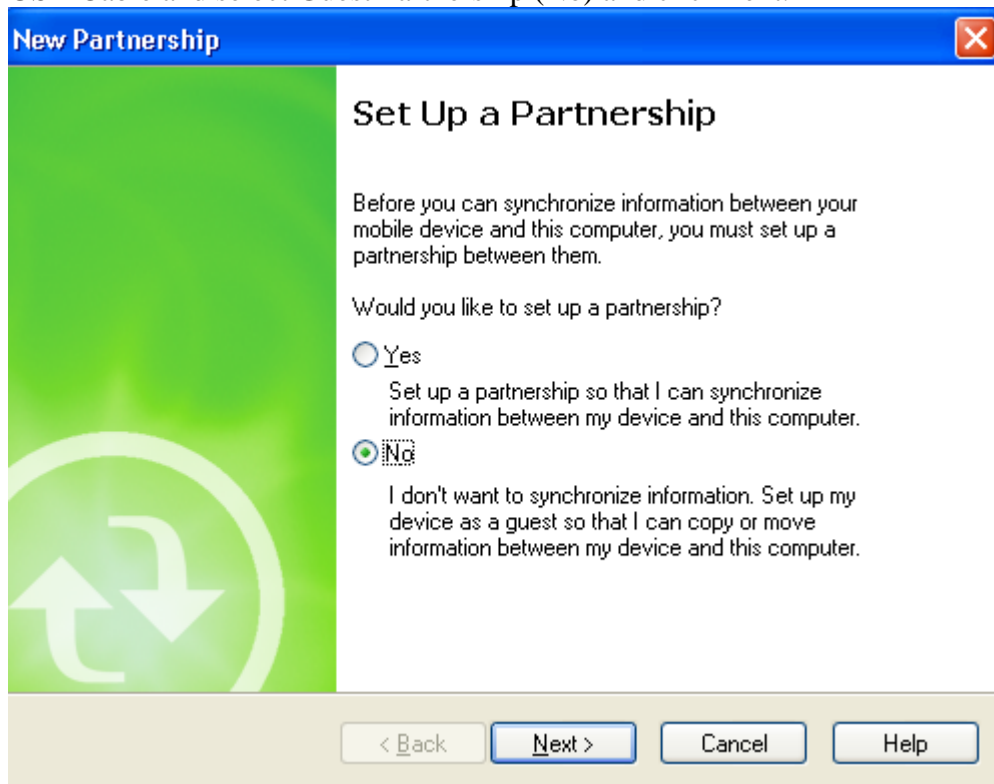   4-Accept License Agreement and click next
       5-Enter Customer Information and click next
       6-Choose Destination folder and click next
       7-Install…
8-Finish

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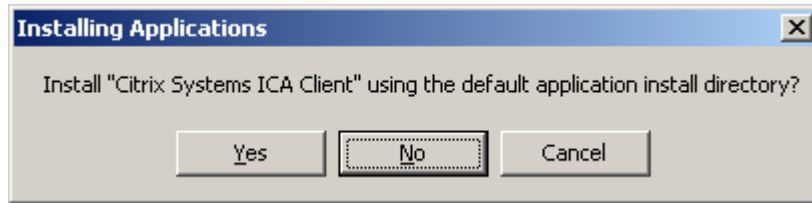**http://www.citrix.com/site/SS/downloads/details.asp?dID=2755&downloadID=3602**
(If this link didn't work easily open **www.google.com** and search for "Citrix ICA client for windows CE")

2-Installation:
       1-Run cesetup.exe
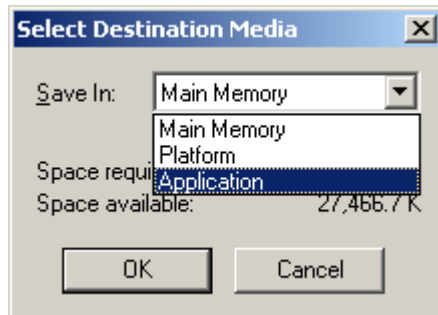2-It will ask for installation path:

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Installing Applications ✕

Install "Citrix Systems ICA Client" using the default application install directory?

[Yes] [No] [Cancel]

3-Click on "No" button
4-following screen will pop up:

Select Destination Media ✕

Save In: Main Memory ▼
Main Memory
Platform
Application

Space requi
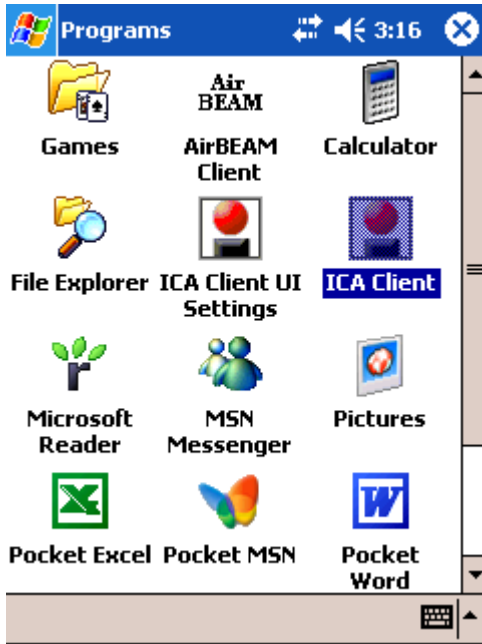Space available: 27,466.7 K

[OK]   [Cancel]

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:
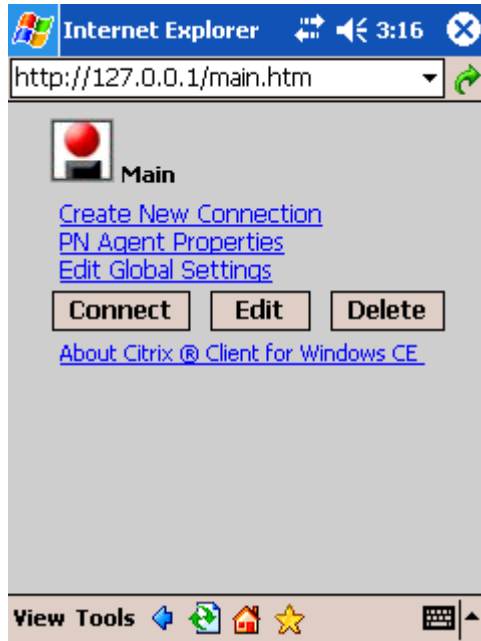5-finish

4- Configuration of RFS on Handheld Device:
        1-On handheld Device Click on Start then Programs
        2-Choose ICA Client

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GLENDALE, CA 91202
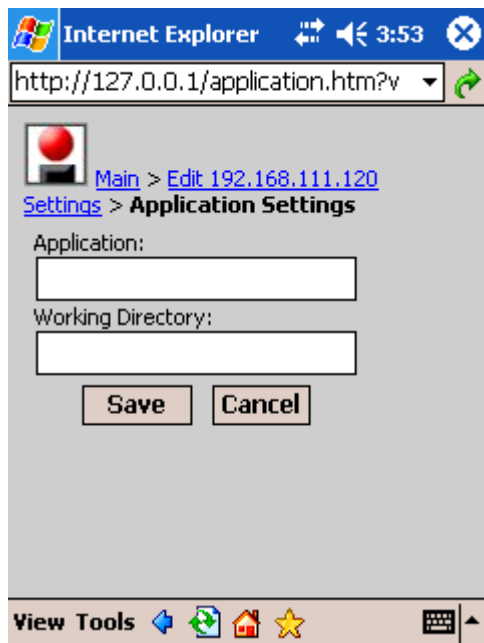
3-Create New Connection

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
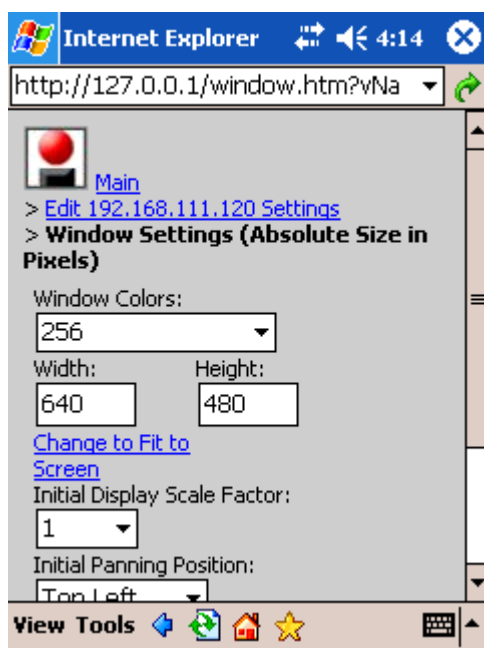
Working Directory: your path\MAS90\Home

(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