Release Notes

This document provides information about resolved issues and known issues that are important to MapInfo® Pro users.

For a list of new and enhanced features in this release, see the What’s New chapter in the MapInfo Pro Help System. To access the MapInfo Pro User Guide from the DiscStarter application, which launches when you insert the MapInfo Pro DVD in to your machine's drive, select Online Reference and click MapInfo Pro User Guide.

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System Requirements

This product is tested on the following Microsoft Windows Desktop Operating Systems:

- Windows 7 Ultimate 64-bit SP1
- Windows 2008 Server R2 64-bit SP1
- Windows 2008 Server R2 64-bit SP1 with XenApp 6.0
- Windows 8 64-bit
- Windows 8.1 64-bit
- Windows 2012 Server 64-bit
- Windows 2012 Server 64-bit with XenApp 7.0

Dependencies and Prerequisites

The install wizard checks for the following and prompts you if not already on your system; you can choose to have the install wizard install these requirements, or cancel the installation if you do not want to proceed.

- Microsoft Office Access database engine 2010 64-bit — does not install when the 32-bit office 2010 driver is installed
- Microsoft Visual C++ 2010 SP1 Redistributable Package (x64)
- Microsoft Visual C++ 2012 Update 3 Redistributable Package (x64)
- Microsoft Visual C++ 2013 Redistributable Package (x64)
- Microsoft .NET Framework 4.5.2 Full

Note: Check the Microsoft website for the minimum requirements for these redistributables and updates if installing to an unsupported operating system.

Installing MapInfo Pro

You must have Administrator rights to run the Installer, and the Installer requires that your TEMP environment variable be set to a valid directory.

Caution: We strongly recommend that you exit from all Windows programs before beginning the installation process.

To install this version of MapInfo Pro:
1. Go to the directory into which you downloaded this version and right-click the setup.exe file. Select Run as Administrator from the popup menu to install using elevated privileges.

   You may see a prompt for permission to continue. Click Allow or Yes to proceed (if you do not respond and the message times-out, the install is unsuccessful).

   The wizard begins to lead you through the installation process.

2. If any of the prerequisites listed under Dependencies and Prerequisites are not already installed on your system, then a prompt displays to install them. Click Install.

   Installing the prerequisites takes several minutes—the status of each prerequisite updates as it installs.

3. If you see a message that MapInfo Pro requires a reboot, click Yes. You must reboot to continue with the installation.

4. Click Next to continue the process.
5. On the License Information dialog, review the license. If you accept the terms, click Next to continue.

6. On the Customer Information dialog, type your name, organization name, serial number, and access code in the corresponding fields.

   If you have already installed the 32 bit version of 12.5.x, you should enter the same license information for the 64 bit installation. The license is shared for 32 and 64 bit versions of 12.5.x.

7. Click Next to continue.

8. Select one of the following options and then click Next to continue:

   - Typical – Choose this option if you will be using MapInfo Pro as a desktop application including remote database access and connectivity. Continue to Typical Workstation Installation.
   - Custom – Choose this option to restrict the components that are installed by the installation program. For example, you can prevent the installer from adding the documentation and tools. Continue to Custom Workstation Installation.

Typical Workstation Installation

Make sure you have completed the directions in Installing MapInfo Pro before beginning these instructions.

Choose the Typical option to install all MapInfo Pro program files including the documentation, Tools, and Universal Translator.

To continue installing MapInfo Pro:

1. On the Setup Type dialog, click Typical.

2. On the Destination Folder dialog, do one of the following:
   - Click Next to accept the destination folder indicated.
   - Click Change to create a new path on the Change Current Destination Folder dialog. Type the new path in the Folder name field and click OK to continue. Choose to create a new directory name when you have an earlier version of MapInfo Pro installed and you do not want to overwrite that version.

3. Click Next to continue.

4. On the Ready to Install the Program dialog, review your selections to ensure that the path is correct and then click Install. To make changes, click Back.

   A progress bar indicates the status of the process.

5. At the end of the installation, the prompt: “Would you like to check our web site for any current updates to our product?” displays. If you have an Internet connection, click Yes to access the Pitney Bowes Inc. web site containing information about product updates.

6. When the Installation Complete dialog displays, click Finish.

Custom Workstation Installation

Make sure you have completed the directions in Installing MapInfo Pro before beginning these instructions.

Choose Custom to select components and drivers within the MapInfo Pro installation program. This is useful when you want to save disk space by not installing the documentation, or the MapInfo Pro tools.

To continue installing MapInfo Pro:

1. On the Setup Type dialog, click Custom.

2. On the Custom Setup dialog, you can click on a component to display information about it and the space it requires:
   - MapInfo Program Files – you must install these files to run MapInfo Pro.
   - Documentation – installs user guide documents in PDF format.
   - Tools – installs MapInfo Utilities.
Installing MapInfo Pro

Select the components that you do not want to install (all are selected by default) by clicking the Down Arrow beside it. From the following menu of options, select This feature will not be available.

- This feature will be installed on local hard drive.
- This feature, and all subfeatures, will be installed on local hard drive.
- This feature will not be available.

Note: Some components have additional options to the use them from the network.

3. To specify a non-default location for the installation, click Change.
   In the Change Current Destination Folder dialog, type the new path in the Folder name field and click OK to continue.

4. To see if you have enough space on your hard drive or other mapped resources, click the Space button.
   The Disk Space Requirement dialog displays the disk size, the amount of available space, and the amount of space the selected install would take.

5. After making your custom selections on the Custom Setup dialog, click Next.

6. On the Language Settings dialog, select an English preference and then click Next.

7. On the Ready to Install the Program dialog, click the Install button to begin the installation of MapInfo Pro with the features you selected.
   The Installing MapInfo Pro dialog displays with a progress bar indicating the status.

8. At the end of the installation, the prompt: “Would you like to check our web site for any current updates to our product?” displays. If you have an Internet connection, click Yes to access the Pitney Bowes Inc. web site containing information about product updates.


Notes about this Installation

64-bit vs 32-bit MS Access drivers

MapInfo Pro is a 64-bit application that can read spreadsheets and tables from Microsoft Excel and Access. To do so you require the Microsoft Access database engine (x64). If you do not have this software installed, the installer will prompt you if you would like it installed. However, if you already have the 32-bit version (for example, installed as part of Microsoft Office) the MapInfo Pro installer will not be able to install the 64-bit version of the database engine. One option is to uninstall the 32-bit Microsoft Access database engine (for example, by uninstalling Microsoft Office) prior to installing MapInfo Pro 64-bit. This is the recommended approach by Microsoft. If you require both versions of the Microsoft Office drivers on the same system with MapInfo Pro, then follow the procedure below. It is recommended to put both the 32-bit and 64-bit drivers on the same machine.

Installing 32- and 64-bit MS Office Drivers

MapInfo Pro is a 64-bit application that can access spreadsheets and tables from Microsoft Excel and Access. To use data from Excel and Access within 64-bit MapInfo Pro, you must use the Microsoft Office 64-bit driver.

As part of the MapInfo Pro installation process, the 64-bit Microsoft Access Database Engine 2010 Redistributable for Office is installed if the Microsoft Access Database Engine 2010 32-bit driver is not already installed on the system. The effect of this is, if 32-bit Microsoft Office is already installed on the system, the MapInfo Pro installation process will not install the 64-bit Access Database Engine drivers necessary for 64-bit MapInfo Pro access to Excel and Access.

If you require the 32-bit edition of Microsoft Office or its driver on the same system with 64-bit MapInfo Pro, the following procedure shows you how to install both versions of Office drivers.

Note: Microsoft does not support both drivers installed on the same computer citing incompatibility between the product editions or their components. See http://support.microsoft.com/kb/2269468 for more details.
To install MS Office 32- and 64-bit drivers on the same system follow the procedure described below. In order to perform this action, you need to have administrative rights to install or uninstall the software on your computer. If you do not know if you have these rights, then contact your system administrator for support before proceeding.


2. Determine if you have the MS Office 2010 64-bit Office driver installed. You may already have it installed if you have installed MapInfo Pro 64-bit. To ascertain if you have the MS Office 2010 64-bit driver installed, open Windows Explorer and navigate to the folder C:\Program Files\microsoft_shared\OFFICE14. If you have a file called ACEOLEDB.DLL installed, then you have the 64-bit driver installed. If you have the file ACEOLEDB.DLL installed in C:\Program Files (x86)\Common Files\microsoft shared\OFFICE14, then you have the 32-bit driver installed.

   Note: The 32-bit driver is automatically installed if you already have 32-bit MS Office 2010 installed. If you have the 64-bit driver installed, uninstall this driver, reboot the system, and proceed to step 3. If you have the 32-bit driver installed go directly to step 4.

3. Install the 32-bit Office 2010 driver.

4. In the System folder (for example C:\Windows\System32), right-click on cmd.exe and select Run as administrator.

5. At the command prompt navigate to the folder where the 64-bit Office 2010 driver is located. For example, if you download the AccessDatabaseEngine_x64.exe and place it into the C:\temp folder, then type cd C:\Temp in the command prompt, and hit the Enter key.

6. Type the command AccessDatabaseEngine_x64.exe /passive and hit the Enter key.

7. If you have 32-bit Microsoft Office 2007, 2010 or 2013 installed on your system, open the registry editor (in the command prompt you have open, type: regedit and hit the Enter key.) then check the key: HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Office\14.0\Common\FilesPaths. If there is a registry value called mso.dll, then delete or rename it. If you do not delete or rename the mso.dll registry value, you could get a Reconfiguring message every time you open up an Office application.

   Both drivers are now installed on your system.

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Product Activation

When you start MapInfo Pro for the first time after installation, the Activation Wizard launches.
Do the following in the Activation Wizard:

1. Select **Activate Now** to start activation and try the release.
2. Click **Next**. The **Select Activation Method** dialog box opens.

3. Select **Automatic Activation**.
4. Click **Next**. The Activation Wizard takes a few moments to transfer the activation credentials to Pitney Bowes Inc. and perform the activation. An activation message displays stating that the activation was successful.
5. Click **OK**. The Activation Wizard closes.

**New Features**

For details about new and enhanced features in this release, see the *What's New* chapter in the *MapInfo Pro User Guide* or *MapInfo Professional Help System*.

This release has new and updated features in MapInfo Pro:
New and Enhanced User Interface

MapInfo Pro 12.5 (64-bit) introduces a completely revised desktop that incorporates a ribbon layout for easy access to operations.

The menu layout has been replaced with a new ribbon across the top of the desktop. On the ribbon are tabs that contain MapInfo Pro's operations. Within each tab are groups of related functionality, while within the groups are the commands and command lists for performing MapInfo Pro's operations. The following is a brief overview of the tabs and their contents.

![MapInfo Pro ribbon layout]

The new User Interface (UI) consists of the following tabs:

- **PRO**– This tab includes the **Options** group where you choose settings for a wide variety of features. It is organized into **System**, **Windows** and **Devices** subgroups. Licensing tasks are also located on this tab. This is similar to the **Preferences** dialog box in previous versions.
- **HOME**– This tab includes **File** and **Window** groups of commands, as well as **Clipboard**, **Output** and **Tools**. The **Open** command list conveniently displays a wide variety of resources with easy-to-see icons.
- **TABLE**– This tab consists of groups of commands related to working with tables, such as **Selection**, **Edit** and **Export**.
- **MAP**– This tab provides commands for creating map content, manipulating, navigating, labeling, and analyzing map data. This correlates closely with the Map menu in previous MapInfo Professional releases.
- **SPATIAL**– This tab contains the groups and commands for selecting, editing and creating data.
- **LAYOUT**– This tab provides features and commands for creating layouts for output.

There are two contextual tabs that can appear when you select a layer in the **Layer Control**. The Contextual tab group is called **LAYER TOOLS** and consists of two tabs **STYLE** and **LABELS** for changing map object styles and text label properties.

There is a **LEGACY** tab that can appear if a user loads an older MapBasic application that creates a menu or button pad used in earlier versions of the product.

When you select a **Legend Designer** for a map, a contextual tab, **LEGEND TOOLS**, will appear on the ribbon. This tab contains a variety of commands like adding a legend, modifying a legend, aligning legends, etc. for editing a **Legend Designer** window.

Customization through GUI

The MapInfo Pro ribbon can be customized to suit your needs and work style. For example, create custom tabs and custom groups to hold frequently used commands. Re-arrange tabs and groups to put commands where you want them.
Quick Access Toolbar

The Quick Access Toolbar can be configured to hold commands to suit your needs and work style. You may wish to include frequently used commands here rather than access them from one of the tabs on the ribbon. By default Open Table, Save Workspace and Close All are included on the Quick Access Toolbar.

Use the Quick Access Toolbar menu to locate the toolbar above or below the MapInfo Pro ribbon and control whether the ribbon is viewable or hidden.

Improved Layout Designer

The Layout Designer makes it quicker and easier than ever before to prepare Layouts for printing and sharing.
You no longer need to toggle between a Layout window and a Map window for editing labels for example, because the new Layout Designer window contains a live map that you can edit. The Layout Designer window shows the map using the printer resolution, so that you know beforehand what your printout will look like (you will know what labels will be on the printed map). In contrast, the Map window shows maps using the screen resolution, which is not an accurate representation of what the printed map would look like (labels in a Map window may not be on the printed map).

New Labeling Rules

The Label Placement group in the LABELS tab provides several common preset rules for easy access when changing label orientation.

The preset rules are groups of options that you would normally have to set individually in the Layer Properties dialog box. The available rules change depending on the type of layer selected.

For example, for a layer of regions, some of the rules include Auto Size, Auto Position and Centroid. For a line layer the options are Curved, Curved with Fallback, Rotated, and Horizontal.
New Features

Mini Toolbar

Common map functions are readily available on a new floating toolbar in the map. This makes moving around the map or labeling much less tedious.

When you will right click on a map, a mini toolbar will appear on top of the context menu. The mini toolbar will allow quick access to commonly used functions like selection tools, map panning and zooming, object editing and dynamic style previewing of labels and styles.

![Mini Toolbar]

New Tool Manager

The Tool Manager has an enhanced User Interface (UI) and can be accessed from the Tools group on the ribbon. You can now load, autoload, and unload tools easily and manage your toolbox in a much more organized manner. Click Tools on the ribbon to view the tools that are currently running or tools which you have used most recently.

On the new UI, you can:

- Load a tool
- Modify tool information
- Register and unregister a tool
- Get tools from the Pitney Bowes Software Community Download website
- View recently loaded tools

You must load a MapBasic tool into MapInfo Pro before you can run it. For a description of how to load tools, see Loading a Tool in the Help System. To run a tool:

1. On the HOME tab, in the Tools group, click Tools.
2. On the Running tab, double-click on the tool name that you want to run.

The tool launches, or it integrates into the ribbon to the LEGACY tab or to another location.

- Catalog Browser is in the Open list, which is on the HOME tab in the File group, and on the TABLE and MAP tabs in the Content group.
- Sync Window is on the MAP tab.
- Universal Translator is on the TABLE tab, in the Content group.
MapCAD Update

This release updates the MapCAD tool to a new version. This product provides tools that work with MapInfo Pro to create maps that are appropriate for land development and surveying tasks.

Before you can work with this tool, you must register it with MapInfo Pro and then run it.

The MapCAD tool installs automatically with MapInfo Pro to a subfolder called MapCAD. To access MapCAD drawing and editing capabilities, on the HOME tab, in the Windows group, click Tools. On the Running tab, double-click MapCAD. The manufacturer provides a full help system to assist you in using this product. For support, contact MapCAD incorporated directly. Their web site is:

All MapCAD functionalities are distributed across three distinct areas of the ribbon interface. They are:

- The SPATIAL tab on the ribbon interface
- The BACKSTAGE area (PRO tab) for MapCad help and options
- The MAP tab for labeling-related functions

Application Preferences

The Application Preferences dialog box provides settings to control ribbon customizations, tool windows, and to add ribbons to floating windows.

You can perform the following:

- Control how to change a tab on the ribbon when activating a document window.
- Save current main window position, Quick Access Toolbar, and Ribbon customizations.
- Create any (visible or hidden) tool windows that have had their docking position saved.
- Save a visible or hidden tool window docking position on exit.
- Save current docking position of visible or hidden tool windows.
- Enable ribbon on floating map, browser, layout, or redistricter windows.
Workspace Preferences

You can use the Workspace Preferences to change workspace saving and backup behavior. The new **Workspace Preferences** dialog box lets you perform the following:

- Autosave a current workspace at a specified time interval.
- Create a backup of the current workspace each time it is saved.
- Save a workspace when a document window is moved, resized, floated, docked, or hidden.

Window Manager

All windows now support docking, floating, hidden, and tabbed modes. Floating windows can be moved onto secondary monitors. The floating windows are not required to be within the application bounds.

You can hide windows to reduce clutter but they can be reopened when needed.

The new Window Manager allows you to see all windows by type and hide/unhide them, as needed.
All New Workspace Explorer

A new Explorer window is accessible on the desktop from any tab by default. This window displays all open maps, tables, windows, tools and connections in one convenient place.

If you have a lot of maps, tables, and connections opened in the Workspace Explorer, you can search for a particular map or a table by typing its name in the Search field. All entities matching the search string will get listed in the window.
New Features

Window List Preferences

Use the Window List Preferences dialog box to control the default settings for the Window group on the HOME tab, such as selecting to show tools in the group.

![Window List Preferences dialog box]

If the Show Tools check-box is not selected, only the document windows are shown grouped by document type (maps, layouts, browsers, legends).

Performance Improvements

The concurrency setting improves processing speed when buffering an object in a table or selection, and with overlay operations, such as Split, Erase, Erase Outside, Polyline Split, and Overlay Nodes. You can select how much of the operation to perform in parallel using more than one CPU or processor core.

You can run and track multiple time consuming tasks in the background while continuing to use MapInfo Pro to do other work.

Known Issues

Installing Versions 12.5.0 and 12.5.1 on to the same Machine

You should not install the 32 and 64-bit versions of MapInfo Pro into the same directory.

If installing any 32-bit version of MapInfo Professional (including version 12.5.0) after installing MapInfo Pro 12.5.1 on to the same machine, you will encounter an issue when installing both products into the same directory. The 32-bit version of MapInfo Professional does not recognize that MapInfo Pro 12.5.1 is already installed, so the 32-bit version of the MapInfo Professional installation wizard lets you install into the same folder that 12.5.1 is already installed to. This results in files being overwritten, so that neither product operates correctly.

If this issue occurs, uninstall both products. Reboot the computer, then reinstall both the 32-bit and 64-bit versions to different directories.

Side by side installation of MapInfo Pro 12.5.1 and MapInfo Professional 12.5 PDF Printer

Installing MapInfo Professional 12.5 32-bit after installing MapInfo Pro 12.5.1 will result in the MapInfo PDF printer being downgraded from Version 4.5.3.9 to version 4.5.3.5. This will cause MapInfo Pro 12.5.1 to close unexpectedly when attempting to print a GeoRegistered PDF or a Layered PDF with attributes.

In this case, you will need to do a complete uninstall and re-install of MapInfo Pro 12.5.1.

Issues with keyboard focus

There are some situations where the keyboard focus is not being set to the active window when moving from docked to tabbed to floating.
Calculate Statistics
The Calculate Statistics command is missing in this release.

Key tips appear activated
When activating a Layout frame by clicking Alt+Click, the key tips on the ribbon interface appear activated.

MapInfo Pro closes unexpectedly
MapInfo Pro closes unexpectedly displaying an internal error 34623 if you create a 3d map with the scale bar opened in the map window. If you are experiencing problems when creating 3D Map windows, enable the 3D Map Window acceleration option. On the PRO tab, click Options and then click Map Window to open the Map Preferences dialog box. Select the Enable Hardware Acceleration for 3D Map Windows check-box.

MapInfo Pro closes unexpectedly
MapInfo Pro closes unexpectedly when creating a 3d map after creating the thematic map.

Issue with dual monitors
You may lose floating windows when moving from two monitors to one. Navigate to the Recover Offscreen Windows dialog to restore the windows.

Pie or Bar chart appear bigger in size
Pie or bar charts appear bigger after being saved to a workspace and reloaded in MapInfo Pro.

Issue with shortcut key in Layer window
In the Layer window window, the short cut key (F2) to rename a map may not work properly. If you select a map and press F2, it highlights the entire text, but once you click inside the cell it turns uneditable.

Zooming using mouse wheel
Scrolling a map in the Layout Designer using the mouse wheel zooms the inactive map instead.

Clear Map Objects Only button does not exist in this version
In previous versions of the product, you could select all objects in an editable layer and from Edit > Clear Map Objects Only which would delete all the map objects from the layer leaving the records behind. This is not available in this release.

Issues with Layout Designer
When you have a large number of maps open, the Map drop-down list in the LAYOUT tab may not work correctly.

Ribbon items not displaying properly
Items added to the ribbon when a tool is loaded through the Tool Manager do not appear when a map window is in a floating mode.

View/Edit Metadata option does not exist in this version
The View/Edit Metadata menu option is not available when you right click on a map in the Layer Control window. This option is present in the earlier versions.
Issues with translucency sliders

On the STYLE tab, the Layer and Label slider controls in the Translucency group display incorrect values when you move the slider. For example, if you move the layer slider to 47%, the slider moves back to 46%. The value is decremented by 1.

CTRL + F4 does not close Tool windows.

Pressing CTRL + F4 does not close Tool windows. It does, however, close other document windows.

MapBasic types which contain strings may not be passed correctly to WinAPI DLLs in 64-bit

If a DLL function takes a struct type input argument, you can declare a type in MapBasic equivalent to the API struct a function is declared. For structs defined with a string pointer member, there are problems calling into the x64 WinAPI DLLs if you define this equivalent struct member as a String type. Instead, you need to define the struct member as an IntPtr type. For 32-bit MapInfo Professional, the equivalent WinAPI DLL struct could be defined with a String type.

Error message when accessing help from any dialog

Users experiencing an issue using the Help System after installing MapInfo Professional 12.5.1 should delete the mapinfopro12_5_64bit cache folder under the AppData folder (for example, C:\users\%USERNAME%\AppData\Local\mapinfopro12_5_64bit).

Progress and Resolution of Outstanding Issues

<table>
<thead>
<tr>
<th>Issue Number</th>
<th>Description and Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIPRO-49127</td>
<td>There is an issue with refreshing a map window. When the window is resized, it blanks out.</td>
</tr>
<tr>
<td></td>
<td><strong>Resolution:</strong> Fixed.</td>
</tr>
<tr>
<td>MIPRO-52606</td>
<td>After creating a new layer using a Select query, if you press Ctrl+A, the newly created object layers get selected first, even though it should select all objects from the original layer.</td>
</tr>
<tr>
<td></td>
<td><strong>Resolution:</strong> Fixed. The original object layer is selected first.</td>
</tr>
</tbody>
</table>