



MapBasic 11.0.3 Release Notes

This document provides information on new and enhanced features that have been introduced into MapBasic since version 11.0. It also contains sections on resolved customer issues and some remaining known issues that are important for users to be aware of.

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Upgrading MapBasic

Your computer must be connected to the Internet to download the 11.0.3 MapBasic Maintenance Release.

You may install this Maintenance Release provided the following product is already installed:

- MapBasic 11.0

To upgrade MapBasic to the version 11.0.3 Maintenance Release:

1. Open your internet browser and go to the following URL:
<http://www.pbinsight.com/support/product-downloads/item/mapbasic-v11.0.3-maintenance-release>
2. On the web page, click the download link and follow your web browser's instructions for opening and running the patch file.
(The file is called **MapBasic11.0.3MaintenanceRelease.exe** should you choose to save and run it later.)
3. Follow the instructions to complete the upgrade.

It is important to wait until the installation completes.

After upgrading MapBasic to 11.0.3, any MapBasic programs (.mbx files) that you create require MapInfo Professional version 11.0.3 or later to run. In other words, the users of your .mbx file may need to upgrade their MapInfo Professional installations to 11.0.3 or later to run your .mbx file.

Advanced Installation for System Administrators

This section is for the system administrator installing this Maintenance Release using a command line.

Upgrading in Silent Mode

To run the MapBasic Maintenance Release installer in silent mode, from a command prompt, type:

```
MapBasic11.0.3MaintenanceRelease.exe /s /v"SILINST=True"
```

Where:

`/s` = runs the setup.exe silently

`/v` = passes the parameter "SILINST=True" into the setup.exe to suppress the GUI.

A progress dialog may display during the installation.

Windows 7, Server 2008, and Server 2008 R2 users may see a prompt for permission to continue. Click **OK** to proceed.

Maintenance Release 11.0.3

This section lists the updates made since MapBasic 11.0.

- **New Sorting Option in the Set Browse Statement**
- **Enhancement to MapBasic SystemInfo() Function**
- **Enhancement to Close Window and Open Window Statements for Table List, Layer Control, and Move Map To Windows**
- **Note that Version Number Format in a "can't load MBX" Error is Incorrect**

New Sorting Option in the Set Browse Statement

The Set Browse statement has been enhanced to allow MapBasic programs to control sorting in the Browser. To sort the Browser window, execute a Set Browse statement that includes the optional **ORDER BY** clause (which follows SQL SELECT syntax such as, "**Order By Country, City**").

To return the browser to its default, unsorted state, use the syntax **Set Browse Order None**.

The syntax for the Set Browse statement with the ORDER syntax (after the "Columns Resize" clause) is:

```
Set Browse  
[ Window window_id ]  
[ Grid { On | Off } ]  
[ Row row_num ]  
[ Column column_num ]  
[ Columns Resize ]  
[ Order By sortColumn [ Desc ] [, sortColumn2 . . . ] ]  
[ Order None ]
```

sortColumn identifies the column(s) to use for sorting the browser, using syntax similar to SQL Select.

Desc is optional and specifies a descending-order sort. Up to four columns can be used for sorting: for example:

```
Set Browse Order By Country, City, Income Desc
```

Order By If you have used the Pick Fields dialog to customize the name of the column, the Set Browse statement must match the new custom column name. If the custom column name includes spaces ("Customer Name"), then the Set Browse statement must use a column number, such as **Order By Col2** or **Order By 2**.

Error Conditions

A runtime error occurs if the Order By clause specifies columns that do not exist in the Browser window, or if the Order By clause attempts to sort using the reserved column names OBJECT or ROWID.

Enhancement to MapBasic SystemInfo() Function

MapBasic support has been added for retrieving the full version number of MapInfo Professional running your application. The information can be obtained via the SystemInfo function using the new attribute SYS_INFO_MIFULLVERSION.

The SystemInfo() function returns information about the operating system or software version. You can call this function from the MapBasic window in MapInfo Professional. This function now includes the following attribute code:

attribute code	ID	SystemInfo() Return Value
SYS_INFO_MIFULLVERSION	19	Integer value, representing the full version number, including minor and maintenance versions, of the currently running MapInfo Professional. This value represents the version string without decimal points. SystemInfo(SYS_INFO_MIFULLVERSION) returns 1103 for version 11.0.3. This is more detail than using SystemInfo(SYS_INFO_MIVERSION), which returns 1100 for MapInfo Professional 11.0 and 11.0.3.


Enhancement to Close Window and Open Window Statements for Table List, Layer Control, and Move Map To Windows

MapBasic adds support for closing and opening a Table List, Layer Control, and Move Map To windows. Extensions to the Close Window and Open Window statements allow the new keywords and new window IDs:

Window	Keyword	Window ID Define/Value
Table List	TableList	WIN_TABLE_LIST/2001
Layer Control	LayerControl	WIN_LAYER_CONTROL/2002
Move Map To	MoveMapTo	WIN_MOVE_MAP_TO/2003

 It is possible to open these windows via MapBasic using Run Menu Command IDs.

In integrated mapping applications, opening the Table List or Layer Control windows shows their respective dialog versions. Since there is no dialog version of the Move Map To window, nothing happens when opening this window in an integrated mapping application.

 The window IDs for Table List, Layer Control, and Move Map To are ignored by the Set Window statement, WindowInfo() function, and WindowID() function.

Close Window Statement

The Close Window statement closes or hides a window. You can issue this statement from the MapBasic Window in MapInfo Professional. This statement now includes the following *window_spec* values:

window_spec value	Window description
TableList	The Table List window. Its define code is WIN_TABLE_LIST. In an integrated mapping application this refers to the modal version.
LayerControl	The Layer Control window. Its define code is WIN_LAYER_CONTROL. In an integrated mapping application this refers to the modal version.
MoveMapTo	The Move Map To window. Its define code is WIN_MOVE_MAP_TO.

Open Window statement

The Open Window statement opens or displays a window. You can issue this statement in the MapBasic Window in MapInfo Professional. This statement now includes the following *window_name* values:

window_name value	Window Description
TableList	The Table List window (WIN_TABLE_LIST).
LayerControl	The Layer Control window (WIN_LAYER_CONTROL).
MoveMapTo	The Move Map To window (WIN_MOVE_MAP_TO).

Note that Version Number Format in a "can't load MBX" Error is Incorrect

Running an application compiled with a later version of MapBasic or opening a workspace or table with features not supported in the version you are running causes an error message. The error message explains that the application, workspace, or table could not be loaded or read and gives the version of MapInfo Professional that can read or load it.

This message does not indicate minor version numbers, such as 11.0.3. That is, if MapInfo Professional 11.0 attempts to load an MBX compiled with 11.0.3, then the error message should be, "Cannot load foo.mbx. Version 11.0.3 of MapInfo can load it." However, instead of displaying 11.0.3, the error displays 11.3.

The incorrect version formatting problem was corrected in version 11.0.1, but earlier versions will still show the version incorrectly which can be confusing.