Spreadsheet Link™ EX Release Notes

Contents

Summary by Version

This table provides quick access to new features in each version. For clarification, see "Using Release Notes" on page 1.

Version (Release)	New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
Latest Version V3.0.1 (R2008a)	No	No	Bug Reports at Web site	Printable Release Notes: PDF Current product documentation
V3.0 (R2007b)	Yes Details	No	No	No
V2.5 (R2007a)	Yes Details	No	No	No
V2.4 (R2006b)	Yes Details	No	No	No
V2.3.1 (R2006a)	No	No	Bug Reports at Web site	No
V2.3 (R14SP3)	Yes Details	No	Bug Reports at Web site	No
V2.2 (R14)	Yes Details	No	No	No

Using Release Notes

Use release notes when upgrading to a newer version to learn about:

- New features

- Changes

- Potential impact on your existing files and practices

Review the release notes for other MathWorks™ products required for this product (for example, MATLAB® or Simulink®) for enhancements, bugs, and compatibility considerations that also might impact you.

If you are upgrading from a software version other than the most recent one, review the release notes for all interim versions, not just for the version you are installing. For example, when upgrading from V1.0 to V1.2, review the release notes for V1.1 and V1.2.

What's in the Release Notes

New Features and Changes

- New functionality
- Changes to existing functionality

Version Compatibility Considerations

When a new feature or change introduces a reported incompatibility between versions, the **Compatibility Considerations** subsection explains the impact.

Compatibility issues reported after the product is released appear under Bug Reports at the MathWorks Web site. Bug fixes can sometimes result in incompatibilities, so you should also review the fixed bugs in Bug Reports for any compatibility impact.

Fixed Bugs and Known Problems

The MathWorks offers a user-searchable Bug Reports database so you can view Bug Reports. The development team updates this database at release time and as more information becomes available. This includes provisions for any known workarounds or file replacements. Information is available for bugs existing in or fixed in Release 14SP2 or later. Information is not available for all bugs in earlier releases.

Access Bug Reports using your MathWorks Account.

Version 3.0.1 (R2008a) Spreadsheet Link™ EX Software

This table summarizes what's new in Version 3.0.1 (R2008a):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
No	No	Bug Reports at Web site	Printable Release Notes: PDF Current product documentation

There are no new features or changes in this version.

Version 3.0 (R2007b) Excel® Link™ Software

This table summarizes what's new in Version 3.0 (R2007b):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
Yes Details below	No	No	Printable Release Notes: PDF Current product documentation

New features and changes follow.

- "MATLAB® Function Wizard for The Excel® Link™ Software" on page 4
- "MATLAB® Preferences Pane" on page 5

MATLAB® Function Wizard for The Excel® Link™ Software

This function wizard enables you to browse MATLAB® directories and run functions from within the Microsoft® Excel® interface. You can use it to:

- Display a list of all MATLAB function categories or directories.

- Choose a particular directory or category, and list functions available for that directory or category.

- Parse a specified function signature and enter a formula into the current spreadsheet cell using MATLABFCN or MATLABSUB.

- Display online help headers for functions.

For more information, see Using the MATLAB Function Wizard for Excel® Link™ Software in the Excel Link documentation.

MATLAB® Preferences Pane

You can set selected MATLAB preferences from within the Excel Link GUI by using the **Preferences** dialog box. This new feature enables you to:

- Automatically start a MATLAB software session when an Microsoft Excel session starts.

- Specify the current working directory for your MATLAB software session at startup.

- Start the MATLAB desktop, including the current directory, workspace, command history and command window panes, when an Microsoft Excel session starts.

- Enable the MLPutMatrix function to use cell arrays for transfer of data between an Microsoft Excel worksheet and the MATLAB workspace.

- Set data in missing or empty cells to NaN or zero.

For more information on Excel Link Preferences, see Setting Excel Link Preferences in the Excel Link documentation.

Version 2.5 (R2007a) Excel® Link™ Software

This table summarizes what's new in Version 2.5 (R2007a):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
Yes Details below	No	No	Printable Release Notes: PDF Current product documentation

New features and changes follow.

- "Functions Added" on page 6
- "Excel® Link™ Software Qualified Against Microsoft® Excel® Version 2007 Beta" on page 6

Functions Added

This release supports the following new functions:

- `MLMissingDataAsNaN` sets empty cells to NaN or zero.
- `MLUseCellArray` toggles `MLPutMatrix` to always use MATLAB® cell arrays.

Excel® Link™ Software Qualified Against Microsoft® Excel® Version 2007 Beta

Excel® Link™ software has been qualified against Microsoft® Excel® Version 2007 Beta.

Version 2.4 (R2006b) Excel® Link™ Software

This table summarizes what's new in Version 2.4 (R2006b):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
Yes Details below	No	No	Printable Release Notes: PDF Current product documentation

New features and changes follow.

- "New Functions Added" on page 7

New Functions Added

This releases supports the following new functions:

- `MLGetFigure` imports a MATLAB® figure into an Microsoft® Excel® spreadsheet.

- `MLStartDir` specifies the current working directory for a MATLAB software session after startup.

- `MLUseFullDesktop` specifies whether to use the full MATLAB desktop or only the Command Window.

- `MLShowMatlabErrors` uses `MLEvalString` to return standard Spreadsheet Link™ EX errors or full MATLAB errors.

Version 2.3.1 (R2006a) Excel® Link™ Software

This table summarizes what's new in Version 2.3.1 (R2006a):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
No	No	Bug Reports at Web site	Printable Release Notes: PDF Current product documentation

There are no new features or changes in this version.

Version 2.3 (R14SP3) Excel® Link™ Software

This table summarizes what's new in Version 2.3 (R14SP3):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
Yes Details below	No	No	No

New features and changes follow.

- "MATLAB® Desktop Enabled" on page 9
- "New System Requirements" on page 9

MATLAB® Desktop Enabled

Version 2.3 of the Excel® Link™ software uses the MATLAB® software as a COM automation server with the full desktop displayed.

New System Requirements

Excel Link software requires approximately 202 kilobytes of disk space. Operating system requirements are:

- Microsoft® Windows® XP
- Microsoft Windows 2000

Excel Link software requires one of the following versions of Microsoft® Excel® software:

- Excel® 98 software
- Excel 2000 software
- Excel 2002 software
- Excel 2003 software

Excel Link software also requires Version 5.1 or later of the MATLAB for Windows software.

Version 2.2 (R14) Excel® Link™ Software

This table summarizes what's new in Version 2.2 (R14):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
Yes Details below	No	No bug fixes	No

New features and changes follow.

- "Using Excel® Link™ Software in a Non-English Environment" on page 11

Using Excel® Link™ Software in a Non-English Environment

The *Spreadsheet Link™ EX User's Guide* uses the Microsoft® Excel® software with an **English (United States)** Microsoft® Windows® regional setting for illustrative purposes. If you use Excel® Link™ software with a non-**English (United States)** Windows desktop environment, certain syntactical elements may not work as illustrated. For example, you may have to replace the comma (,) delimiter within Spreadsheet Link EX commands with a semicolon (;) or other operator.

Please consult your Windows documentation to determine which regional setting differences exist among various international versions.

Compatibility Summary for Spreadsheet Link™ EX Software

This table summarizes new features and changes that might cause incompatibilities when you upgrade from an earlier version, or when you use files on multiple versions. Details are provided with the description of the new feature or change.

Version (Release)	New Features and Changes with Version Compatibility Impact
Latest Version V3.0.1 (R2008a)	None
V3.0 (R2007b)	None
V2.5 (R2007a)	None
V2.4 (R2006b)	None
V2.3.1 (R2006a)	None
V2.3 (R14SP3)	None
V2.2 (R14)	None