Spreadsheet Link™ EX Release Notes

How to Contact The MathWorks

`www.mathworks.com`	Web
`comp.soft-sys.matlab`	Newsgroup
`www.mathworks.com/contact_TS.html`	Technical Support

`suggest@mathworks.com`	Product enhancement suggestions
`bugs@mathworks.com`	Bug reports
`doc@mathworks.com`	Documentation error reports
`service@mathworks.com`	Order status, license renewals, passcodes
`info@mathworks.com`	Sales, pricing, and general information

508-647-7000 (Phone)

508-647-7001 (Fax)

The MathWorks, Inc.
3 Apple Hill Drive
Natick, MA 01760-2098

For contact information about worldwide offices, see the MathWorks Web site.

Spreadsheet Link™ EX Release Notes

© COPYRIGHT 2004–2009 by The MathWorks, Inc.

The software described in this document is furnished under a license agreement. The software may be used or copied only under the terms of the license agreement. No part of this manual may be photocopied or reproduced in any form without prior written consent from The MathWorks, Inc.

FEDERAL ACQUISITION: This provision applies to all acquisitions of the Program and Documentation by, for, or through the federal government of the United States. By accepting delivery of the Program or Documentation, the government hereby agrees that this software or documentation qualifies as commercial computer software or commercial computer software documentation as such terms are used or defined in FAR 12.212, DFARS Part 227.72, and DFARS 252.227-7014. Accordingly, the terms and conditions of this Agreement and only those rights specified in this Agreement, shall pertain to and govern the use, modification, reproduction, release, performance, display, and disclosure of the Program and Documentation by the federal government (or other entity acquiring for or through the federal government) and shall supersede any conflicting contractual terms or conditions. If this License fails to meet the government's needs or is inconsistent in any respect with federal procurement law, the government agrees to return the Program and Documentation, unused, to The MathWorks, Inc.

Trademarks

MATLAB and Simulink are registered trademarks of The MathWorks, Inc. See `www.mathworks.com/trademarks` for a list of additional trademarks. Other product or brand names may be trademarks or registered trademarks of their respective holders.

Patents

The MathWorks products are protected by one or more U.S. patents. Please see `www.mathworks.com/patents` for more information.

Contents

Summary by Version 1

Version 3.1 (R2009b) Spreadsheet Link EX Software . . 4

Version 3.0.3 (R2009a) Spreadsheet Link EX Software 5

Version 3.0.2 (R2008b) Spreadsheet Link EX Software 6

Version 3.0.1 (R2008a) Spreadsheet Link EX Software 7

Version 3.0 (R2007b) Excel® Link Software 8

Version 2.5 (R2007a) Excel® Link Software 10

Version 2.4 (R2006b) Excel® Link Software 11

Version 2.3.1 (R2006a) Excel® Link Software 12

Version 2.3 (R14SP3) Excel® Link Software 13

Version 2.2 (R14) Excel® Link Software 15

Compatibility Summary for Spreadsheet Link EX Software 16

Summary by Version

This table provides quick access to new features in each version. For clarification, see "Using Release Notes" on page 2.

Version (Release)	New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
Latest Version V3.1 (R2009b)	Yes Details	No	Bug Reports at Web site	Printable Release Notes: PDF Current product documentation
V3.0.3 (R2009a)	No	No	Bug Reports at Web site	No
V3.0.2 (R2008b)	No	No	Bug Reports at Web site	No
V3.0.1 (R2008a)	No	No	Bug Reports at Web site	No
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®). Determine if enhancements, bugs, or compatibility considerations in other products impact you.

If you are upgrading from a software version other than the most recent one, review the current release notes and all interim versions. For example, when you upgrade from V1.0 to V1.2, review the release notes for V1.1 and V1.2.

What Is 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 release appear under Bug Reports at The MathWorks™ Web site. Bug fixes can sometimes result in incompatibilities, so 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. Bug Reports include 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 3.1 (R2009b) Spreadsheet Link EX Software

This table summarizes what's new in Version 3.1 (R2009b)

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

New features and changes follow.

- "New Method for Invoking Excel® Link" on page 4
- "Excel® Link Software Integrated with Microsoft® Excel Ribbon Interface" on page 4

New Method for Invoking Excel Link

Excel® Link™ now supports the ability to highlight columns in Microsoft® Excel® worksheet to invoke Excel Link.

Excel Link Software Integrated with Microsoft Excel Ribbon Interface

Excel Link software is now integrated with the Microsoft Excel 2007 ribbon interface.

Version 3.0.3 (R2009a) Spreadsheet Link EX Software

This table summarizes what's new in Version 3.0.3 (R2009a):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
No	No	Bug Reports at Web site	No

There are no new features or changes in this version.

Version 3.0.2 (R2008b) Spreadsheet Link EX Software

This table summarizes what's new in Version 3.0.2 (R2008b):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
No	No	Bug Reports at Web site	No

There are no new features or changes in this version.

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	No

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	No

New features and changes follow.

- "MATLAB Function Wizard for The Excel® Link Software" on page 8
- "MATLAB Preferences Pane" on page 8

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 session when an Microsoft Excel session starts.
- Specify the current working directory for your MATLAB 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	No

New features and changes follow.

- "Functions Added" on page 10
- "Excel® Link Software Qualified Against Microsoft® Excel Version 2007 Beta" on page 10

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	No

New features and changes follow.

- "New Functions Added" on page 11

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 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	No

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 13
- "New System Requirements" on page 13

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 15

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 V3.1 (R2009b)	None
V3.0.3 (R2009a)	None
V3.0.2 (R2008b)	None
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