

MATLAB Excel Builder Release Notes

These Release Notes introduce the new MATLAB Excel Builder.

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MATLAB Excel Builder 1.1 Release Notes

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MATLAB Excel Builder

1.1 Release Notes

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Introduction to the MATLAB Excel Builder

Note The MATLAB Excel Builder 1.1 is the first release of this product as part of a major MathWorks release CD. The MATLAB Excel Builder 1.0 was initially released in Web-downloadable form after Release 12.1 was released, but before Release 13.

MATLAB Excel Builder provides the capability to incorporate seamlessly and quickly MATLAB models and functions into Excel worksheets. A graphical user interface enables you to build and deploy Excel Add-In's containing functionality designed in MATLAB but accessed from the Excel environment.

Using MATLAB Excel Builder to create a deployable application is a simple process requiring a sequence of six steps:

- 1** Creating a Project
- 2** Managing M- and MEX-Files
- 3** Building a Project
- 4** Testing the Model
- 5** Creating an Excel Add-In
- 6** Packaging and Distributing the Component

The MATLAB Excel Builder User's Guide provides complete documentation for this product.

Upgrading from an Earlier Release

Function Wizard

Release 1.1 of the MATLAB Excel Builder differs from the Web-downloadable version (Release 1.0) by the inclusion of the Function Wizard.

The Function Wizard enables you to pass Microsoft Excel worksheet values to a compiled MATLAB model and to return model output to a cell or range of cells in the worksheet. The Function Wizard provides an intuitive interface to Excel worksheets. Knowledge of Visual Basic for Applications (VBA) programming is not required.

The Function Wizard reflects any changes that you make in the worksheets, such as range selections. Going in the opposite direction, you can use the Function Wizard to control the placement and output of data from MATLAB functions to the worksheets.

Note At this release the Function Wizard is not able to process the sparse, struct, or complex data types.

Upgrading from Release 12

If you have used MATLAB Excel Builder with a previous MATLAB release (Release 12.1), you must rebuild and redeploy all components with MATLAB Release 13.

