Simulink® Parameter Estimation Release Notes

Contents

Summary by Version

This table provides quick access to what's new in each version. For clarification, see "About 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 V1.2 (R2006a)	No	No	No bug fixes	Printable Release Notes: PDF V1.2 product documentation
V1.1.2 (R14SP3)	No	No	No bug fixes	No
V1.1.1 (R14SP2)	Yes Details	No	Fixed bugs	No
V1.0 (R14)	Yes Details	No	No bug fixes	No

About Release Notes

Use release notes when upgrading to a newer version to learn about new features and changes, and the potential impact on your existing files and practices. Release notes are also beneficial if you use or support multiple versions.

If you are not upgrading from the most recent previous version, review 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 New Features and Changes, Version Compatibility Considerations, and Bug Reports for V1.1 and V1.2.

New Features and Changes

These include

- New functionality

- Changes to existing functionality
- Changes to system requirements (complete system requirements for the current version are at the MathWorks Web site)
- Any version compatibility considerations associated with each new feature or change

Version Compatibility Considerations

When a new feature or change introduces a known incompatibility between versions, its description includes a **Compatibility Considerations** subsection that details the impact. For a list of all new features and changes that have compatibility impact, see "Compatibility Summary for Simulink Parameter Estimation" on page 8.

Compatibility issues that become known after the product has been released are added to Bug Reports at the MathWorks Web site. Because bug fixes can sometimes result in incompatibilities, also review fixed bugs in Bug Reports for any compatibility impact.

Fixed Bugs and Known Problems

MathWorks Bug Reports is a user-searchable database of known problems, workarounds, and fixes. The MathWorks updates the Bug Reports database as new problems and resolutions become known, so check it as needed for the latest information.

Access Bug Reports at the MathWorks Web site using your MathWorks Account. If you are not logged in to your MathWorks Account when you link to Bug Reports, you are prompted to log in or create an account. You then can view bug fixes and known problems for R14SP2 and more recent releases.

The Bug Reports database was introduced for R14SP2 and does not include information for prior releases. You can access a list of bug fixes made in prior versions via the links in the summary table.

Related Documentation at Web Site

Printable Release Notes (PDF). You can print release notes from the PDF version, located at the MathWorks Web site. The PDF version does not support links to other documents or to the Web site, such as to Bug Reports. Use the browser-based version of release notes for access to all information.

Product Documentation. At the MathWorks Web site, you can access complete product documentation for the current version and some previous versions, as noted in the summary table.

Version 1.2 (R2006) Simulink Parameter Estimation

This table summarizes what's new in Version 1.2 (R2006a):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
No	No	No bug fixes	Printable Release Notes: PDF V1.2 product documentation

Version 1.1.2 (R14SP3) Simulink Parameter Estimation

This table summarizes what's new in V1.1.2 (R14SP3):

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

Version 1.1.1 (R14SP2) Simulink Parameter Estimation

This table summarizes what's new in V1.1.1 (R14SP2):

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

New features and changes introduced in this version are described here:

SimMechanics, SimPowerSystems, and SimDriveline Models Are Supported

You can now perform parameter estimation for SimMechanics, SimPowerSystems, and SimDriveline models.

Faster Simulation with Simulink Accelerator

You can now enable the Simulink Accelerator mode in the Simulink window for faster simulation. For more information, see the Simulink documentation.

Demos for Simulink Parameter Estimation

Eleven new demos show how you can apply Simulink Parameter Estimation in different application areas.

Version 1.0 (R14) Simulink Parameter Estimation

This table summarizes what's new in V1.0 (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 introduced in this version are described here:

Simulink Parameter Estimation

Simulink Parameter Estimation provides a graphical user interface for estimating the parameters and initial states of a Simulink model using empirical input and output data pairs. You can also perform estimation using objects and methods. For more information, see the Simulink Parameter Estimation documentation.

Simulink Parameter Estimation lets you

- Estimate parameters from measured (transient) data.
- Estimate initial conditions (initial states).
- Compare data from a model to empirical data during parameter estimation.
- Validate models after completing parameter estimation.

Compatibility Summary for Simulink Parameter Estimation

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 in the description of the new feature or change.

Version (Release)	New Features and Changes with Version Compatibility Impact
Latest Version V1.2 (R2006a)	None
V1.1.2 (R14SP3)	None
V1.1.1 (R14SP2)	None
V1.0 (R14)	None