

Vehicle Network Toolbox™

Release Notes

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Summary by Version

This table provides quick access to what's new 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 V1.0 (R2009a)	Yes Details	Not applicable	Bug Reports Includes fixes	Printable Release Notes: PDF Current product documentation

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 1.0 (R2009a) Vehicle Network Toolbox Software

This table summarizes what's new in Version 1 (R2009a):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
Yes Details below	Not applicable	Bug Reports Includes fixes	Printable Release Notes: PDF Current product documentation

Version 1.0 of the Vehicle Network Toolbox™ Software released in R2009a includes the following features:

- “CAN Connectivity From MATLAB” on page 3
- “Vector CAN Database Support” on page 3
- “CAN Message Encoding and Decoding” on page 4
- “CAN Message Filtering” on page 4
- “CAN Message Logging and Replay” on page 4
- “CAN Block Library” on page 4
- “CAN Message Traffic GUI” on page 4
- “MATLAB Compiler Support” on page 4

CAN Connectivity From MATLAB

You connect to a CAN network from the MATLAB interface with Release 2009a.

Vector CAN Database Support

Release 1.0 of the Vehicle Network Toolbox supports Vector CAN database.

CAN Message Encoding and Decoding

You can encode and decode CAN traffic messages with version 1.0 of the Vehicle Network Toolbox.

CAN Message Filtering

Version 1.0 of the Vehicle Network Toolbox allows you to filter CAN messages by message ID.

CAN Message Logging and Replay

With version 1.0 of Vehicle Network Toolbox you can log and replay CAN messages.

CAN Block Library

Version 1.0 of the Vehicle Network Toolbox comes with a Simulink CAN block library that you can use to simulate CAN network models.

CAN Message Traffic GUI

Version 1.0 of the Vehicle Network Toolbox provides a simple GUI that allows you to monitor CAN message traffic.

MATLAB Compiler Support

Version 1.0 of the Vehicle Network Toolbox supports the MATLAB® Compiler™. With this capability, you can use the MATLAB Compiler to take M-files as input and generate redistributed, stand-alone applications that include Vehicle Network Toolbox functionality.

Compatibility Summary for Vehicle Network Toolbox

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 V1.0 (R2009a)	None