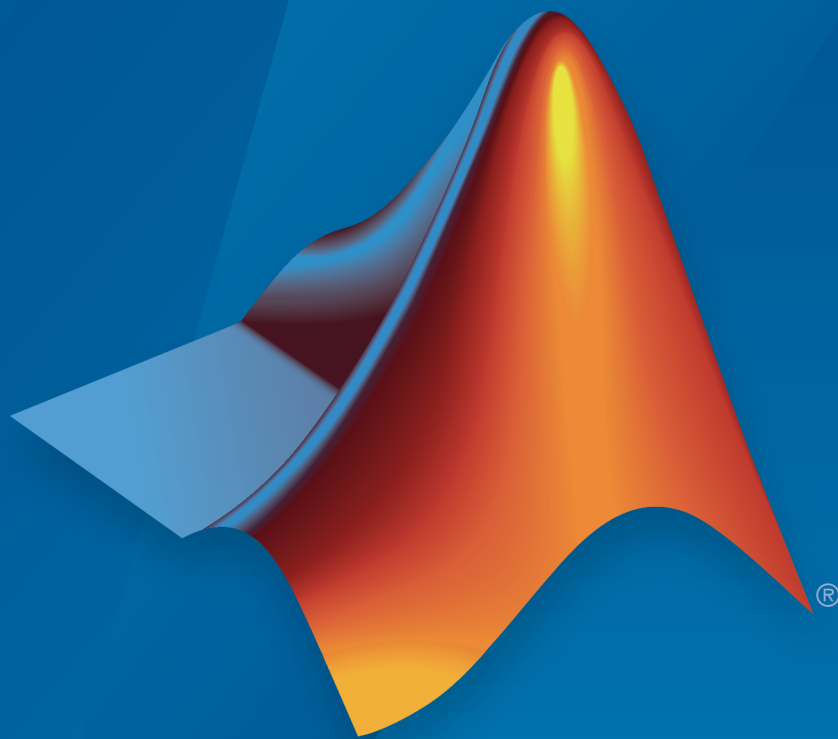


Audio System Toolbox™ Release Notes



MATLAB® & SIMULINK®

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Phone: 508-647-7000



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

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R2016a

Version: 1.0

New Features

VST plugin generation for digital audio workstations

Audio System Toolbox™ enables the design and generation of VST plugins.

For more information, see “Export a MATLAB Plugin to a DAW”.

Interfaces to ASIO, ALSA, CoreAudio, and Windows Direct Sound

Audio System Toolbox enables real-time audio processing using low-latency audio drivers.

For more information, see “Audio I/O: Buffering, Latency, and Throughput”.

Interfaces to MIDI controls for real-time tuning of MATLAB and Simulink simulations

Audio System Toolbox enables real-time tuning in MATLAB® and Simulink® using MIDI controls.

For more information, see `configureMIDI` and “Musical Instrument Digital Interface (MIDI)”.

Audio processing algorithms, sources, and measurements for MATLAB and Simulink

Audio System Toolbox provides algorithms and tools for the design, simulation, and desktop prototyping of audio processing systems.

For more information, see “Audio Processing Algorithm Design”.

Audio test bench to automatically generate an interactive audio simulation environment

Audio System Toolbox provides an all-in-one graphical debugging and testing suite.

For more information, see Audio Test Bench and “Use the Audio Test Bench”.

Support for C code generation

You can use MATLAB Coder™ to generate efficient C and C++ code for most Audio System Toolbox functions, classes, and System objects.

For a list of supported functions and objects, see “Audio System Toolbox”.

For a guide to developing code capable of C code generation, see “MATLAB Programming for Code Generation”.

Support for MATLAB Compiler

You can use MATLAB Compiler™ to share MATLAB programs as standalone applications.

For an example, see “Deploy Audio Applications with MATLAB Compiler”.

