

MinGW-w64


## MATLAB Support for MinGW-w64 C/C++/Fortran Compiler

by MathWorks Supported Compilers Team **STAFF**

Install the MinGW-w64 C/C++/Fortran compiler for Windows

 Follow

★★★★★ (357)

970.7K Downloads 

Updated 19 Jun 2024

 Share


Download

Overview

Reviews (357)

Discussions (346)

**Editor's Note:** Popular File 2016 2017 2018 2019 2020

 This support package is currently unable to download third-party software for MATLAB R2017a and earlier versions. To install MinGW, complete the workaround instructions in the Bug Report, then return to this page and follow

MATLAB Answers

File Exchange

Cody

AI Chat Playground

Discussions

Contests

Blogs

More ▾



MinGW-w64 is a compiler suite for Windows based on the GNU tool chain. It includes a GCC compiler and related tools for compiling C/C++/Fortran applications for Windows. C/C++/Fortran applications compiled with MinGW-w64 GCC can be called from MATLAB using MEX (see table for release limitations on Fortran support). This GCC compiler can also be helpful for other MathWorks products that require a C/C++/Fortran compiler.

### Installation Instructions:

Select the button in the upper right-hand corner of this page. It might be labelled "Install" or "Download".

**"Install" button instructions:** Select either the "Install" or "Download Only" option.

If the "Install" option is selected, follow the guided steps to install MinGW. If the "Download Only" option is selected, save the file to the desired folder then double-click on the file or drag it into the MATLAB Command Window to install.

**"Download" button instructions:** Save the file to the desired folder then double-click on the file or drag it into the MATLAB Command Window to install.

### Version-specific Instructions

**R2023b and later:** MinGW 6.3 must be configured manually. Download MinGW 6.3 from [here](#), then double-click on the file or drag it into the MATLAB Command Window to install.

**R2023a:** MinGW 8.1 must be configured manually. Download MinGW 8.1 from [here](#), then double-click on the file or drag it into the MATLAB Command Window to install.

**To Configure MinGW as a MEX compiler:** Follow instructions on this [page](#).

**FAQ:** This [link](#) provides answers to some frequently asked questions.

Supported MATLAB Version	MinGW Version	Add-Ons Support	Language	Source
R2024a	8.1	Yes	C C++ Fortran	<a href="http://mingw-w64.org">http://mingw-w64.org</a>
	6.3	No		
R2023b	8.1	Yes	C C++	
	6.3	No		
R2023a	8.1	No		
	6.3	Yes		
R2018b- R2022b	6.3	Yes		
R2017b - R2018a	5.3	Yes		
R2016b- R2017a	4.9.2	No	<a href="http://tdm-gcc.tdragon.net">http://tdm-gcc.tdragon.net</a>	

See additional information on installing this compiler at:

[http://www.mathworks.com/help/matlab/matlab\\_external/install-mingw-support-package.html](http://www.mathworks.com/help/matlab/matlab_external/install-mingw-support-package.html)

Learn more about other compilers supported by MathWorks Products at:

<https://www.mathworks.com/support/requirements/supported-compilers.html>

If you are having difficulty installing, please contact Technical Support or see MATLAB Answers:

[https://www.mathworks.com/support/contact\\_us.html](https://www.mathworks.com/support/contact_us.html)

<https://www.mathworks.com/matlabcentral/answers/?term=mingw>

## Requires

MATLAB

Requirements: For use on Windows 64-bit MATLAB. Supported by MATLAB R2016b and beyond.

## MATLAB Release Compatibility

Created with R2016b

Compatible with R2016b to R2024b

## Platform Compatibility

☒ Windows ☐ macOS (Apple silicon) ☐ macOS (Intel) ☐ Linux

## Categories

MATLAB > External Language Interfaces > Fortran with MATLAB

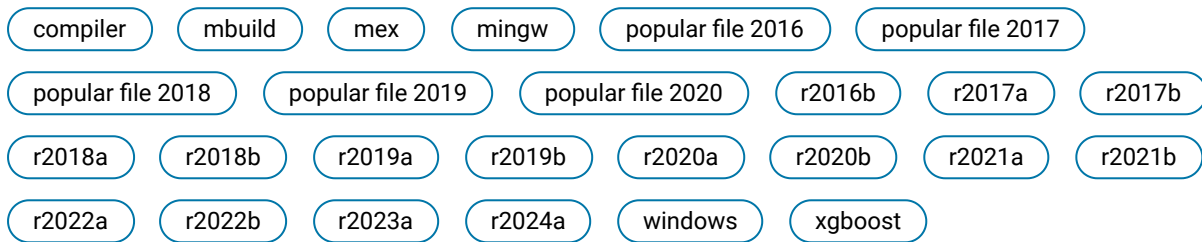
MATLAB > External Language Interfaces > C with MATLAB

MATLAB > External Language Interfaces > C++ with MATLAB > Call C/C++ MEX Functions from MATLAB

Find more on **Fortran with MATLAB** in Help Center and MATLAB Answers

## Tags

Add Tags



## Others Also Downloaded

Simulink Support Package for Arduino Hardware

1633 Downloads

★★★★★

Embedded Coder Support Package for STMicroelectronics STM32 Processors

454 Downloads

★★★★★

MATLAB Support Package for Arduino Hardware

1130 Downloads

★★★★★

## Acknowledgements

**Inspired:** HEART RATE VARIABILITY(HRV) FOR ANXIETY DISORDERS, TRANSFER FUNCTION USING REGULARIZED FUNCTION RESPONSE, YOKOGAWA GM10 communication interface

## Poll

**How many code files are typically in your MATLAB Projects (scripts, functions, classes, tests)?**

- ☐ Don't use / What are Projects?
- ☐ 1–10
- ☐ 11–20
- ☐ 21–30
- ☐ 31–50
- ☐ 51+ (comment below)

**2671 votes**   **8 comments**   **407 views**

Vote

## Community Treasure Hunt

Find the treasures in MATLAB Central and discover how the community can help you!

» Start Hunting!



## MATLAB for Python Users

» [Read now](#)

---

**mathworks.com**

© 1994-2024 The MathWorks, Inc. MATLAB and Simulink are registered trademarks of The MathWorks, Inc. See [mathworks.com/trademarks](https://mathworks.com/trademarks) for a list of additional trademarks. Other product or brand names may be trademarks or registered trademarks of their respective holders.

*Join the conversation*