

Roadmaps for Third-Party Software Support of dSPACE Releases and MATLAB Releases

November 2023

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How to Contact dSPACE Support

If you encounter a problem when using dSPACE products, contact your local dSPACE representative:

- Local dSPACE companies and distributors: <http://www.dSPACE.com/go/locations>
- For countries not listed, contact dSPACE GmbH in Paderborn, Germany.
Tel.: +49 5251 1638-941 or e-mail: support@dSPACE.de

You can also use the support request form: <http://www.dSPACE.com/go/supportrequest>. If you are logged on to mydSPACE, you are automatically identified and do not have to add your contact details manually.

If possible, always provide the serial number of the hardware, the relevant dSPACE License ID, or the serial number of the CmContainer in your support request.

Software Updates and Patches

dSPACE strongly recommends that you download and install the most recent patches for your current dSPACE installation. Visit <http://www.dSPACE.com/go/patches> for the software updates and patches themselves and for more information, such as how to receive an automatic notification when an update or a patch is available for your dSPACE software.

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Roadmaps for Third-Party Software Support of dSPACE Releases and MATLAB Releases

Compared third-party software

The roadmaps of the following third-party software are compared with the dSPACE and MATLAB releases:

- Microsoft Windows
- Ubuntu Linux
- Python
- .NET
- Compilers (for creating MATLAB MEX files)

General limitations

Not all dSPACE products of a dSPACE Release support or will support the specified MATLAB releases. Limitations apply for TargetLink, Model Compare and the FPGA Programming Blockset – FPGA Interface. For details, refer to the compatibility information of the respective dSPACE Release.

Support matching status

The matching status is indicated in the following tables as follows:

- ✓ : Support matches. This combination is tested by dSPACE and therefore qualified for use.
- — : Support does not match. This combination might not work at all or not properly. It is not tested by dSPACE and therefore not qualified to be used.

Support of Microsoft Windows Versions

Overview

The information below is valid in November 2023 (Release 2023-B). Information after this date/Release is future-oriented and subject to change without notice.

Release Status	dSPACE Release	Supported Windows Version by dSPACE Release	Supported MATLAB Release	Supported Windows Version by MATLAB Release ¹⁾	Support Matches	
Already released	2022-A	Windows 10	R2020b	Windows 10	✓	
			R2021a	Windows 10	✓	
				Windows 11	—	
			R2021b	Windows 10	✓	
				Windows 11	—	
			R2022a	Windows 10	✓	
				Windows 11	—	
			2022-B	<ul style="list-style-type: none"> ▪ Windows 10 ▪ Windows 11 	R2021a	Windows 10, Windows 11
	R2021b					
	R2022a					
	R2022b					
	2023-A	<ul style="list-style-type: none"> ▪ Windows 10 ▪ Windows 11 	R2021b	Windows 10, Windows 11	✓	
			R2022a			
			R2022b			
	2023-B	<ul style="list-style-type: none"> ▪ Windows 10 ▪ Windows 11 	R2022a	Windows 10, Windows 11	✓	
			R2022b			
			R2023a			
			R2023b			
	Planned	2024-A	<ul style="list-style-type: none"> ▪ Windows 10 ▪ Windows 11 	R2022b	Windows 10, Windows 11	✓
				R2023a		
R2023b						
R2024a						
2024-B		<ul style="list-style-type: none"> ▪ Windows 10 ▪ Windows 11 	R2023a	Windows 10, Windows 11	✓	
			R2023b			
			R2024a			
			R2024b			
2025-A		Windows 11		R2023b	Windows 10	—
					Windows 11	✓
				R2024a	Windows 10	—
					Windows 11	✓
				R2024b	Windows 10	—
	Windows 11				✓	
R2025a	Windows 10	—				
	Windows 11	✓				

¹⁾ Information about the planned support by MATLAB comes from here: <https://de.mathworks.com/support/requirements/platform-road-map.html>.

Support of Ubuntu Linux Versions

Overview

Only certain dSPACE products of a dSPACE Release support the Ubuntu Linux operating system, for example, VEOS, TargetLink, RTT, or XILAPI. For an overview, refer to <https://www.dspace.com/go/productsforlinux>.

The information below is valid in November 2023 (Release 2023-B). Information after this date/Release is future-oriented and subject to change without notice.

Release Status	dSPACE Release	Supported Ubuntu Version by dSPACE Release	MATLAB Release	Supported Ubuntu Version by MATLAB Release ¹⁾	Support Matches	
Already released	2022-A	<ul style="list-style-type: none"> ▪ 18.04 ▪ 20.04 	R2020b	18.04, 20.04	✓	
			R2021a			
			R2021b			
			R2022a			
	2022-B	20.04		R2021a	18.04	—
					20.04	✓
				R2021b	18.04	—
					20.04	✓
				R2022a	18.04	—
					20.04	✓
				R2022b	18.04	—
					20.04	✓
	2023-A	20.04		R2021b	18.04	—
					20.04	✓
				R2022a	18.04	—
					20.04	✓
				R2022b	18.04	—
					20.04	✓
				R2023a	18.04	—
					20.04	✓
2023-B	20.04		R2022a	18.04	—	
				20.04	✓	
			R2022b	18.04	—	
				20.04	✓	
			R2023a	18.04	—	
				20.04	✓	
			R2023b	18.04	—	
				20.04	✓	

¹⁾ Information about the planned support by MATLAB comes from here: <https://de.mathworks.com/support/requirements/platform-road-map.html>.

Release Status	dSPACE Release	Supported Ubuntu Version by dSPACE Release	MATLAB Release	Supported Ubuntu Version by MATLAB Release ¹⁾	Support Matches		
Planned	2024-A	22.04	R2022b	18.04, 20.04	—		
				22.04	✓		
			R2023a	18.04, 20.04	—		
				22.04	✓		
			R2023b	18.04, 20.04	—		
				22.04	✓		
			R2024a	18.04, 20.04	—		
				22.04	✓		
			2024-B	22.04	R2023a	20.04	—
						22.04	✓
					R2023b	20.04	—
						22.04	✓
	R2024a	20.04			—		
		22.04			✓		
	R2024b	20.04			—		
		22.04			✓		
	2025-A	22.04	R2023b	20.04	—		
				22.04	✓		
			R2024a	20.04	—		
				22.04	✓		
			R2024b	20.04	—		
22.04				✓			
R2025a			20.04	—			
			22.04	✓			

¹⁾ Information about the planned support by MATLAB comes from here: <https://de.mathworks.com/support/requirements/platform-road-map.html>.

Support of Python Versions

Overview

The information below is valid in November 2023 (Release 2023-B). Information after this date/Release is future-oriented and subject to change without notice.

Release Status	dSPACE Release	Supported Python Version by dSPACE Release	MATLAB Release	Supported Python Version by MATLAB Release	Support Matches
Already released	2022-A	3.9	R2020b	3.6, 3.7, 3.8	—
			R2021a	3.7, 3.8	—
			R2021b	3.7, 3.8	—
				3.9	✓
			R2022a	3.8	—
				3.9	✓
	2022-B	3.9	R2021a	3.7, 3.8	—
			R2021b	3.7, 3.8	—
				3.9	✓
			R2022a	3.8	—
				3.9	✓
			R2022b	3.8	—
	3.9	✓			
	2023-A	3.9	R2021b	3.7, 3.8	—
				3.9	✓
			R2022a	3.8	—
				3.9	✓
			R2022b	3.8	—
3.9				✓	
R2023a	3.8	—			
	3.9	✓			
2023-B	3.11	R2022a	3.8, 3.9	—	
		R2022b	3.8, 3.9	—	
		R2023a	3.8, 3.9, 3.10	—	
		R2023b	3.9, 3.10	—	
			3.11	✓	
Planned	2024-A	3.11	R2022b	3.8, 3.9, 3.10	—
			R2023a	3.8, 3.9, 3.10	—
			R2023b	3.9, 3.10	—
				3.11	✓
			R2024a	3.9, 3.10	—
	3.11	✓			

Release Status	dSPACE Release	Supported Python Version by dSPACE Release	MATLAB Release	Supported Python Version by MATLAB Release	Support Matches
Planned	2024-B	3.11	R2023a	3.8, 3.9, 3.10	—
			R2023b	3.9, 3.10	—
				3.11	✓
			R2024a	3.9, 3.10	—
				3.11	✓
			R2024b	3.10, 3.12	—
				3.11	✓
			2025-A	3.11	R2023b
	3.11	✓			
	R2024a	3.9, 3.10			—
		3.11			✓
	R2024b	3.10, 3.12	—		
3.11		✓			
R2025a	3.10, 3.12	—			
	3.11	✓			

Support of .NET Versions

Overview

The information below is valid in November 2023 (Release 2023-B). Information after this date/Release is future-oriented and subject to change without notice.

Release Status	dSPACE Release	Supported .NET Version by dSPACE Release	MATLAB Release	Supported .NET Version by MATLAB Release	Support Matches	
Already released	2022-A	4.8	R2020b	4.8	✓	
			R2021a	4.8	✓	
			R2021b	4.8	✓	
			R2022a	4.8	✓	
	2022-B	4.8	4.8	R2021a	4.8	✓
				R2021b	4.8	✓
				R2022a	4.8	✓
				R2022b	4.8	✓
	2023-A	4.8	4.8	R2021b	4.8	✓
					6.0++	—
				R2022a	4.8	✓
					6.0++	—

Release Status	dSPACE Release	Supported .NET Version by dSPACE Release	MATLAB Release	Supported .NET Version by MATLAB Release	Support Matches		
Planned			R2023a	4.8	✓		
				6.0++	—		
	2023-B	4.8	R2022a	4.8	✓		
			R2022b	4.8	✓		
				6.0++	—		
			R2023a	4.8	✓		
				6.0++	—		
			R2023b	4.8	✓		
				6.0++	—		
			2024-A	4.8	R2022b	4.8	✓
						6.0++	—
					R2023a	4.8	—
						6.0++	✓
					R2023b	4.8	—
	6.0++	✓					
	R2024a	4.8	—				
		6.0++	✓				
	2024-B	8.0	R2023a	4.8	—		
				6.0++	✓		
			R2023b	4.8	—		
6.0++				✓			
R2024a			4.8	—			
			6.0++	✓			
R2024b			4.8	—			
			6.0++	✓			
2025-A	8.0	R2023b	4.8	—			
			6.0++	✓			
		R2024a	4.8	—			
			6.0++	✓			
		R2024b	4.8	—			
			6.0++	✓			
R2025a	4.8	—					
			8.0++	✓			

Support of Compilers for Creating MATLAB MEX Files

Overview

The information below is valid in November 2023 (Release 2023-B). Information after this date/Release is future-oriented and subject to change without notice.

Release Status	dSPACE Release	Supported Compiler Version (for Mex files) by dSPACE Release	MATLAB Release	Supported Compiler Version (for Mex files) by MATLAB Release	Support Matches		
Already released	2022-A	<ul style="list-style-type: none"> ▪ VS2019 ▪ MinGW 6.3 	R2020b	VS2015, VS2017	—		
				VS2019, MinGW 6.3	✓		
			R2021a	VS2015, VS2017	—		
				VS2019, MinGW 6.3	✓		
			R2021b	VS2017	—		
				VS2019, MinGW 6.3	✓		
			R2022a	VS2017	—		
				VS2019	✓		
				VS2022	—		
				MinGW 6.3	✓		
			2022-B	<ul style="list-style-type: none"> ▪ VS2019 ▪ MinGW 6.3 	R2021a	VS2015, VS2017	—
						VS2019, MinGW 6.3	✓
	R2021b	VS2017			—		
		VS2019, MinGW 6.3			✓		
	R2022a	VS2017			—		
		VS2019			✓		
		VS2022			—		
		MinGW6.3			✓		
	R2022b	VS2017			—		
		VS2019			✓		
		VS2022			—		
		MinGW 6.3			✓		
	2023-A	<ul style="list-style-type: none"> ▪ VS2019 ▪ MinGW 6.3 	R2021b	VS2017	—		
				VS2019, MinGW 6.3	✓		
R2022a			VS2017	—			
			VS2019	✓			
			VS2022	—			
			MinGW 6.3	✓			
R2022b			VS2017	—			
			VS2019	✓			
			VS2022	—			
			MinGW 6.3	✓			
R2023a			VS2017	—			
			VS2019	✓			

Release Status	dSPACE Release	Supported Compiler Version (for Mex files) by dSPACE Release	MATLAB Release	Supported Compiler Version (for Mex files) by MATLAB Release	Support Matches			
		<ul style="list-style-type: none"> ▪ VS2022 ▪ MinGW 6.3 ▪ MinGW 8.1 		VS2022	—			
				MinGW 6.3	✓			
	2023-B				R2022a	VS2017, VS2019	—	
						VS2022, MinGW 6.3	✓	
					R2022b		VS2017, VS2019	—
							VS2022, MinGW 6.3	✓
					R2023a		VS2017, VS2019	—
							VS2022, MinGW 6.3	✓
	R2023b				VS2019	—		
					VS2022, MinGW 6.3, MinGW 8.1	✓		
Planned	2024-A	<ul style="list-style-type: none"> ▪ VS2022 ▪ MinGW 6.3 ▪ MinGW 8.1 	R2022b	VS2017, VS2019	—			
				VS2022, MinGW 6.3	✓			
			R2023a		VS2019	—		
					VS2022, MinGW 6.3, MinGW 8.1	✓		
			R2023b		VS2019	—		
					VS2022, MinGW 6.3, MinGW 8.1	✓		
	R2024a			VS2019	—			
				VS2022, MinGW 6.3, MinGW 8.1	✓			
	2024-B				R2023a	VS2019	—	
						VS2022, MinGW 6.3, MinGW 8.1	✓	
					R2023b		VS2019	—
							VS2022, MinGW 6.3, MinGW 8.1	✓
					R2024a		VS2019	—
							VS2022, MinGW 6.3, MinGW 8.1	✓
	R2024b			VS2019	—			
				VS2022, MinGW 6.3, MinGW 8.1	✓			
	2025-A				R2023b	VS2019	—	
						VS2022, MinGW 6.3, MinGW 8.1	✓	
R2024a					VS2019	—		
					VS2022, MinGW 6.3, MinGW 8.1	✓		
R2024b					VS2019, VS2024	—		

Release Status	dSPACE Release	Supported Compiler Version (for Mex files) by dSPACE Release	MATLAB Release	Supported Compiler Version (for Mex files) by MATLAB Release	Support Matches
				VS2022, MinGW 6.3, MinGW 8.1	✓
			R2025a	VS2019, VS2024	—
				VS2022, MinGW 6.3, MinGW 8.1	✓