

RELEASE NOTES

Altair Embed® 2025.2

Embed Pro, Embed SE, Embed Personal, Embed/Digital Power Designer, Embed/eDrives, and Embed Viewer



Release Notes Altair Embed 2025.2

Altair Embed 2025.2 is a hotfix release addressing issues in Embed 2025.1.

Deprecations

- Embed Basic has been retired.
- All 32-bit versions of Embed software have be retired.
- Embed no longer supports sending an email at the end of a simulation.
- ActiveX blocks have been retired.

Limitations

Installation

- When you install Embed, you do not have the option to automatically back up installed files; you can manually back up prior to
 the installation or install to a different directory.
- In rare instances, the Embed installer creates a vissim.ini folder rather than a file. If this happens, Embed will not run properly. Delete the vissim.ini folder and re-install Embed.
- If you are installing 2.x.x version and newer, you must also install the Arduino AVR boards by Arduino add-on.
- If you install two instances of Embed, then uninstall one of them, the OML engine may also be uninstalled; in this case, Embed switches to the built-in math script engine.

General

- You cannot run Embed Personal through a Remote Desktop connection.
- If you choose Chrome as your Browser for Help, and Help opens in an empty window, close Chrome and then re-open Help.
- In Office 2021, DDE server launch is disabled and Group Policy support for both DDE settings is present. The January 2022
 update disables DDE server launch in all supported versions of Excel and provides Group Policy support for this setting in
 Office 2016 and Office 2019.

Simulation

- Co-simulation with PSIM does not detect the co-sim element.
- If the MQTT port connection (default port 1883 or 8883) is blocked by the firewall and there is no response from the broker, contact your IT team to ensure the port is open and properly configured for data exchange.

Code Generation/HIL

- Arduino
 - HIL for string outputs does not work.
 - o matrixMerge block under Matrix Operation does not work.
- Host PC



Code generation for PC Host does not work for break block.

• Linux®

- Diagrams set up to run on Linux targets using the Target Interface block may show spikes in CPU utilization due to the multiprocessing nature of how Linux processes are scheduled.
- o HIL for string and matrix outputs do not work.

Raspberry Pi

- SPI and I2C blocks are not supported on Raspberry Pi 5.
- Embed supports only 32-bit Bookworm and Bullseye OS.

STM32

- If you are using STM32 devices for HIL on a Dell computer, you must disable the STM32 USB storage device driver in order to run HIL simulations for more than 30 seconds.
 - Connect your STM32 device to your Dell PC via USB.
 - 2. Type Control Panel into the system search box in the lower left corner of the screen.
 - 3. Select Hardware and sound > Devices and Printers.
 - 4. Double-click the **STM32 STLink** icon and click the **Hardware** tab.
 - 5. Double-click MBED microcontroller USB device in the list, then click the Driver tab.
 - 6. Click **Disable Device**, then click **OK**. You can now run HIL with no errors.
- LAPACK-derived eigenvalues blocks do not work for STM32 C0x, F0x, F1x, F3x, G0x, G4x, L0x, L4x U0x, and WBx targets. All LAPACK-derived blocks work for STM32 F4x, F7x, and H7x targets.

Resolved Issues

General

- VSMX file does not retain XLSX files after copy/paste operation.
- When two or more diagrams are open, selecting File > Send causes Embed to crash.

Code Generation/HIL

These resolved issues apply to Altair Embed and Altair Embed PE; they do not apply to Altair Embed SE.

- MQTT is not working reliably on Raspberry Pi.
- MQTT does not work on Raspberry Pi for long runs.
- MQTT Publish block does not work reliably with QoS = 1 or 2.
- JSON Get Value block is not working reliably.
- JSON Get Value block causes a signal handler issue on Raspberry Pi.
- JSON Get Value block causes Embed to crash when it is expanded to eight or more key/value pairs.
- JSON Get Value block does not expand when key/value pair is set to any value other than 1.

