

## SEGGER Embedded Studio Version 7 includes source code of libraries

Monheim am Rhein, Germany – November 22<sup>nd</sup>, 2022

**SEGGER's latest version of [Embedded Studio](#) comes with the source code and on-demand build of the included C runtime library, [emRun](#), and C++ library, [emRun++](#).**

A toolchain usually includes pre-compiled libraries for all supported architectures and configurations, with the installation taking up significant space on a developer's machine. Embedded Studio automatically builds (and installs) the libraries the first time they are used.

In addition to cutting down the disk space required this also reduces the download-size of the setup and the time for the installation to less than 50% compared to previous releases. A typical download size ranges from 400MB to less than 250MB, depending on the platform.

Embedded Studio can easily be downloaded and installed on Linux, macOS and Windows. For evaluation and non-commercial use, no license key is required: "It simply works" out of the box.

With the new version, Embedded Studio adds full transparency to all parts of a project with no unknowns hidden in a library. Developers can see the full code for review, verification and help with certification.

"Embedded Studio automatically fine-tunes emRun and emRun++ for size-optimized code or speed-optimized code or a balance of both, to fit the needs of most developers," says Rolf Segger, founder of SEGGER. "With access to the source code, developers can now also configure the libraries to suit a specific hardware and project. On flexible architectures, such as RISC-V with various extensions, firmware can benefit immensely from a targeted runtime library."

SEGGER's market-leading [emRun](#) is a complete C runtime library, which includes SEGGER's [emFloat](#) floating point library. It is specifically designed and optimized for embedded systems, with hand-coded assembly optimizations for Arm and RISC-V cores. [emRun++](#) provides C++ support for the C++17 standard.

The new version of Embedded Studio is fully compatible with previous versions.

The source code of the libraries is provided without the comments. A fully-commented version, with complete documentation, is available for [licensing](#) to individual companies. SEGGER also offers [silicon vendors the option to license emRun](#) for redistribution to their own customers under their own terms.





## About Embedded Studio

[Embedded Studio](#) is a multi-platform IDE (Integrated Development Environment) from SEGGER Microcontroller. Characterized by its flexibility of use, it includes all the tools & features a developer needs for professional embedded C and C++ programming & development.

It comes with a powerful project manager and source code editor. The editor is quick to start up and the build process is blazingly fast, saving precious working hours. It also includes SEGGER's highly optimized [emRun](#) runtime and [emFloat](#) floating point libraries, as well as [SEGGER's smart Linker](#), all of which have been developed from the ground up specifically for resource-constrained embedded systems.

In combination with the Clang-based, highly optimizing C/C++ [SEGGER Compiler](#), extremely small yet efficient programs can be generated, putting every byte to work. The built-in debugger leaves nothing to be desired. Fully integrated with J-Link, it delivers great performance and stability.

Embedded Studio is available for unlimited evaluation, and for educational and non-commercial purposes, free of charge, with no restrictions in terms of code size, features or duration of use.

It is used extensively at SEGGER internally and is continuously updated and enhanced. More information is available at [www.segger.com/embedded-studio](http://www.segger.com/embedded-studio).

###

## About SEGGER

SEGGER Microcontroller GmbH has three decades of experience in Embedded Systems, producing cutting-edge [RTOS and Software Libraries](#), J-Link and J-Trace [debug and trace probes](#), a line of [Flasher In-System Programmers](#) and [software development tools](#).

SEGGER's all-in-one solution [emPower OS](#) provides an RTOS plus a complete spectrum of software libraries including communication, security, data compression and storage, user interface software and more. Using emPower OS gives developers a head start, benefiting from decades of experience in the industry.

SEGGER's professional embedded development software and tools are simple in design, optimized for embedded systems, and support the entire embedded system development process through affordable, high-quality, flexible and easy-to-use tools.

The company was founded by Rolf Segger in 1992, is privately held, and is growing steadily. SEGGER also has a U.S. office in the Boston area and branch operations in Silicon Valley, Shanghai and the UK, plus distributors on most continents, making SEGGER's full product range available worldwide.

For more information on SEGGER, please visit [www.segger.com](http://www.segger.com).



## Why SEGGER?

In short, SEGGER has a full set of tools for embedded systems, offers support through the entire development process, and has decades of experience as the Embedded Experts.

In addition, SEGGER software is not covered by an open-source or required-attribution license and can be integrated in any commercial or proprietary product, without the obligation to disclose the combined source.

Finally, SEGGER offers stability in an often volatile industry, making SEGGER a very reliable partner for long-term relationships.

For additional information please visit: [www.segger.com](http://www.segger.com)

### Contact information:

Dirk Akemann

Marketing Manager

Tel: +49-2173-99312-0

E-mail: [info@segger.com](mailto:info@segger.com)

### Issued on behalf of:

*SEGGER*

*Microcontroller GmbH*

Ecolab-Allee 5

40789 Monheim am Rhein

Germany

[www.segger.com](http://www.segger.com)

*SEGGER*

*Microcontroller Systems LLC*

Boston area

101 Suffolk Lane

Gardner, MA 01440

United States of America

Silicon Valley

Milpitas, CA 95035, USA

United States of America

[www.segger.com](http://www.segger.com)

*SEGGER*

*Microcontroller China Co., Ltd.*

Room 218, Block A,

Dahongqiaoguoji

No. 133 Xiulian Road

Minhang District, Shanghai 201199

China

[www.segger.cn](http://www.segger.cn)

All product and company names mentioned herein are the trademarks of their respective owners. All references are made only for explanation and to the owner's benefit.