

## SEGGER's J-Link Firmware upgrade for BBC micro:bit

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SEGGER has introduced J-Link support for the BBC micro:bit providing students a path to using a production grade IDE for their next micro:bit project.

SEGGER offers the capability to upgrade the firmware on the BBC micro:bit DAPLink to a J-Link OB (On Board). This firmware makes the on-board debug solution on the BBC micro:bit compatible to J-Link, allowing users to take advantage of all J-Link features such as ultra fast flash download and debugging speeds and the free-to-use GDBServer as well as application development using an IDE.



"Adding J-Link debug capabilities to the BBC micro:bit broadens its exposure to an even larger audience. The micro:bit eco-system is improved significantly by making professional tool options available to developers," says John Leonard, Product Marketing Manager, Nordic Semiconductor.

J-Link is supported in all major IDE's; IAR EWARM, Keil MDK, Rowley Crossworks, SEGGER's own Embedded Studio and other Eclipse/GDB based offerings. This gives students developers flexibility in their choice of IDE's without compromising on the superior download speed to RAM and Flash that J-Link technology offers.

To access more information on J-Link OB for BBC micro:bit go to: <https://www.segger.com/bbc-micro-bit.html>

### About J-Link

The SEGGER J-Link is the most popular family of debug probes on the market. It is tool chain independent and works with free GDB-based tool chains such as Embedded Studio, and Eclipse, as well as commercial IDEs from: Atmel, Atollic, Cooxox, Cosmic, Freescale, IAR, KEIL, Mentor Graphics, Microchip, Phyton, Rowley, Renesas, Tasking and others. With the J-Link family, investments in the debug probe are preserved when changing compiler or even CPU architecture.

J-Link supports multiple CPU families, such as ARM 7, 9, 11, Cortex-M, Cortex-R, Cortex-A as well as Renesas RX100, RX200, RX600 and Microchip PIC32; there is no need to buy a new J-Link or new license when switching to a different yet supported CPU family or tool-chain. SEGGER is also continuously adding support for additional cores, which in most cases, only requires a software/firmware update. Unlimited free updates are included with even the baseline model of the J-Link family. SEGGER is excited to continue advanced development of its cutting edge embedded tool solutions to be utilized with pretty much any development environment you choose. All J-Links are fully compatible to each other, so an upgrade from a lower-end model to a higher-end model is a matter of a simple plug-and-play.

Full product specifications are available at: [www.segger.com/jlink.html](http://www.segger.com/jlink.html)

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## About SEGGER

**SEGGER Microcontroller** develops and distributes hardware and software development tools as well as software components for embedded systems. An "embedded system" is one in which a microprocessor and associated components are incorporated into a device helping to accomplish difficult and complex tasks in products such as cell phones, medical instruments, instrument clusters, measurement instruments, satellite radios, digital cameras etc.

SEGGER was founded in 1997, is privately held, and is growing steadily. Based in Hilden with distributors in all continents and a local office in Massachusetts, SEGGER offers its full product range worldwide.

SEGGER software products include: embOS (RTOS), emWin (GUI), emFile (File System), emUSB (USB host and device stack) and embOS/IP (TCP/IP stack). With emSecure, a unique software to generate and verify digital signatures, and the TLS-solution emSSL, SEGGER is also offering software for the growing field of data and product security.

With the experience in programming efficiently on embedded systems, SEGGER created highly integrated, cost-effective programming and development tools, such as the Flasher (stand-alone flash programmer) and the industry leading J-Link/J-Trace emulator.

SEGGER cuts software development time for embedded applications by offering affordable, high quality, flexible and easy-to-use tools and software components allowing developers to focus on their applications. Find out more at [www.segger.com](http://www.segger.com)

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