

Abstract

Keil MDK for STM32F0/G0/L0 and BlueNRG-1/2/LP/LPS provides software developers working with STM32 and BlueNRG family devices with a **free-to-use** tool suite. This edition includes the Arm C/C++ Compiler, the Keil RTX5 real-time operating system kernel, and the µVision IDE/Debugger. It only works with STMicroelectronics devices based on the Cortex-M0/M0+ cores. MDK uses [STM32 CubeMX](#) to configure peripherals and other device settings.

This application note explains how to download, install, and use MDK with STMicroelectronics devices based on the Cortex-M0/M0+ cores.

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Product Serial Number (PSN)

To activate the Keil MDK for STM32F0/G0/L0 and BlueNRG-1/2/LP/LPS edition, use the following Product Serial Number (PSN):

4RMW3-A8FIW-TUBLG

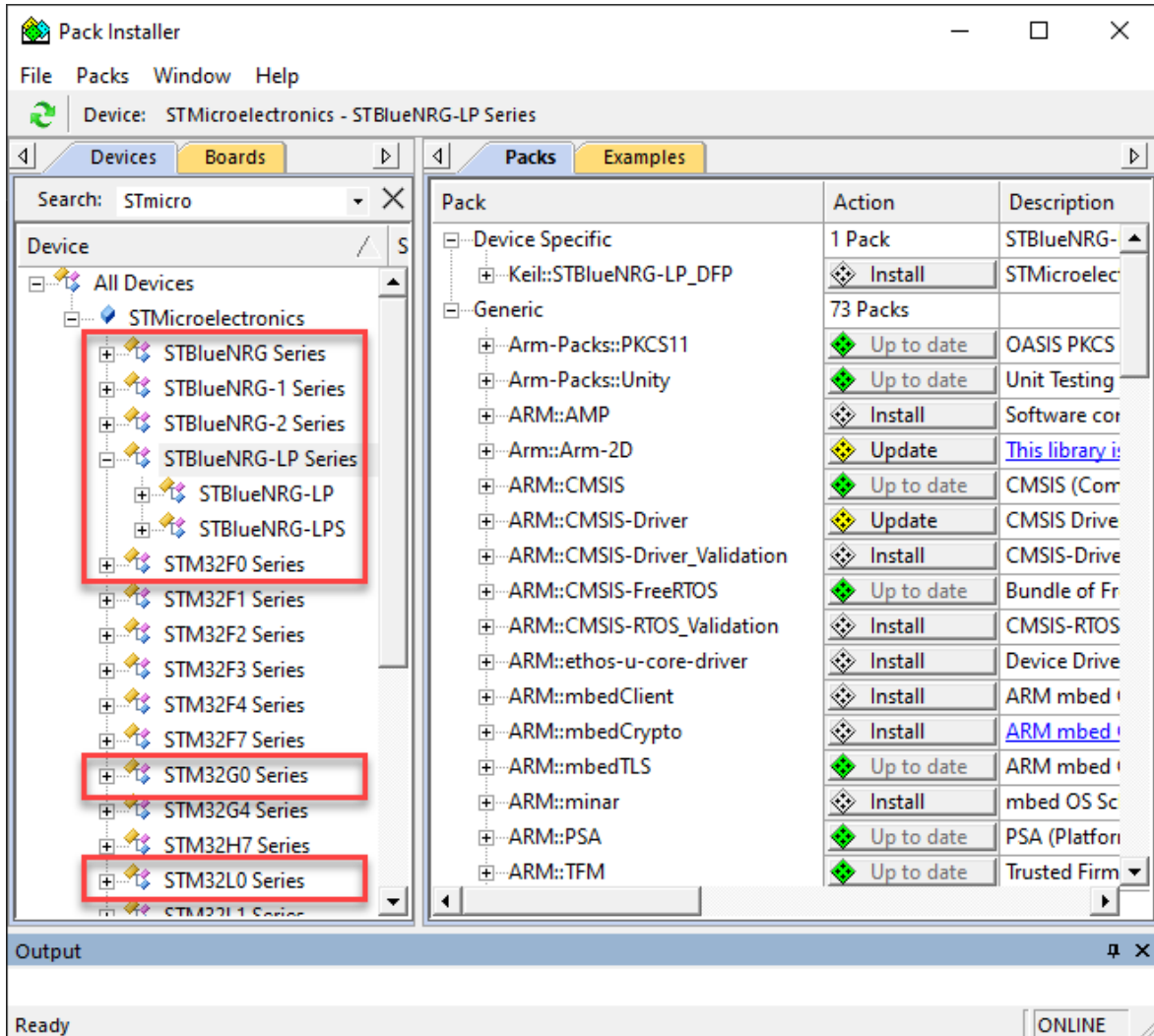
For more details on how to activate MDK, please refer to the Activation guide below.

Note

- With this PSN you can cut a one-year term license.


Installation

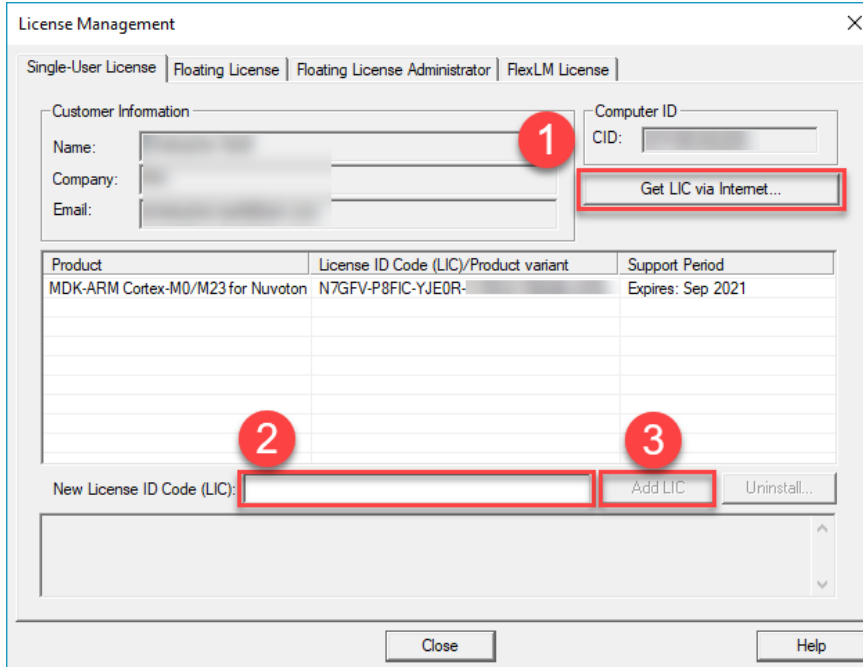
1. [Download Keil MDK](#).
2. Run the downloaded MDK5xx.exe installer.
3. Select your installation location (default is **C:\Keil_v5**). If you have existing MDK installations that you want to keep, select a new folder. Once the installation has finished, Pack Installer opens.
4. In Pack Installer, click **Install** to download and install the device family packs for STMicroelectronics devices.



5. MDK is now ready to be used. Proceed to the next section to activate the product.

Activation

- On your PC, login with an account that has administration rights.
- Right-click the μ Vision icon  and select **Run as Administrator...** from the context menu.
- Open the dialog **File — License Management...** and select the **Single-User License** tab.

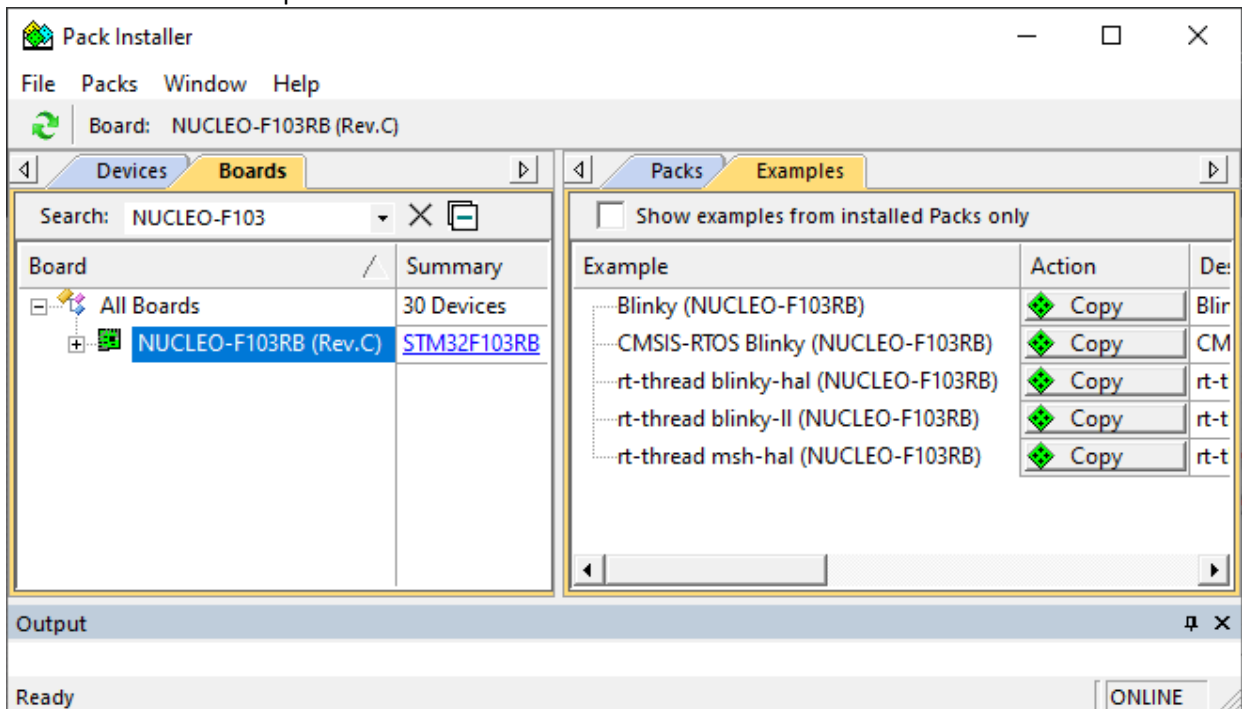


Product	License ID Code (LIC)/Product variant	Support Period
MDK-ARM Cortex-M0/M23 for Nuvoton	N7GFV-P8FIC-YJE0R-	Expires: Sep 2021

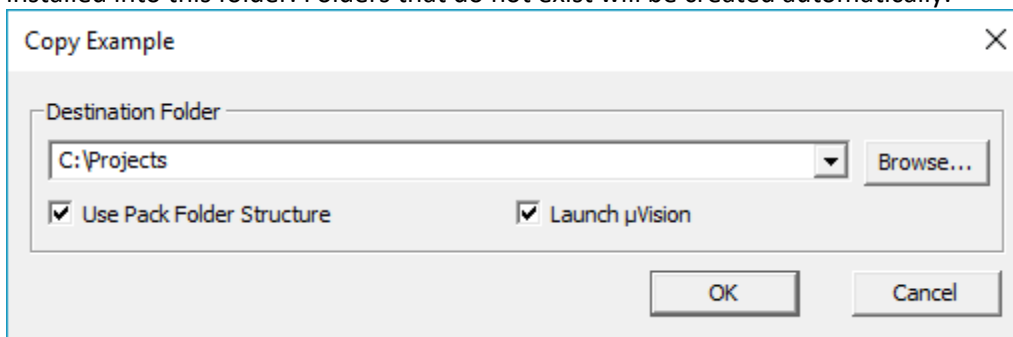
1. Click the button **Get LIC via Internet...**, then click the button **OK** to register the product. This action opens the License Management page on the Keil web site. Enter the PSN shown above and add your contact information. Click the button **Submit**. An e-mail is sent back with the **License ID Code (LIC)** within a few minutes.
2. To activate the product, enter the **LIC** in the field **New License ID Code (LIC)** of the dialog **License Management...**
3. Click **Add LIC**.

Example projects

1. Open the Pack Installer from the µVision toolbar.
2. Switch to the **Examples** tab. From the list, select the example you want to install. The **Boards** or **Devices** tab allows to filter for specific boards or devices.



3. When pressing **Copy**, a dialog box will ask for the desired destination. The example will be directly installed into this folder. Folders that do not exist will be created automatically.



4. Tick **Launch µVision** to open the project after installation.