

Training 0

August 28, 2022

Overview

We need to do some preparatory work before the actual training session. We need to download two pieces of software we often use in our projects. The first one is Keil. **Keil MDK** is the complete software development environment for a range of microcontroller devices. The



second one is **STM32CubeMX**. It is a graphical tool that allows an easy configuration of STM32 microcontrollers and microprocessors.

Both run only in Windows

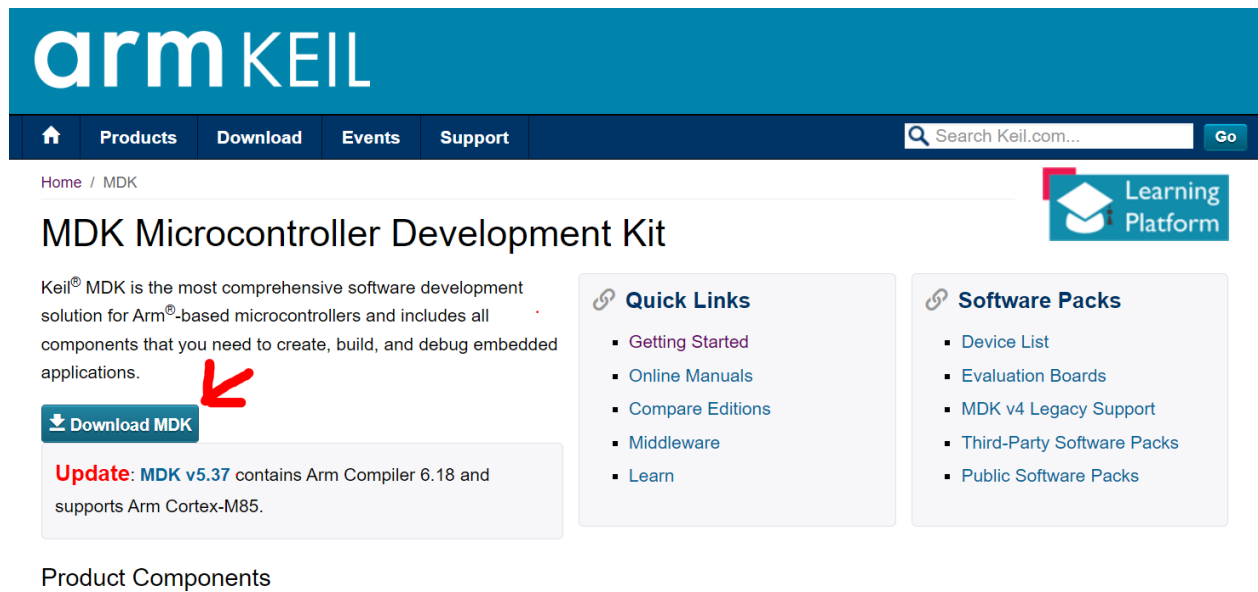
Both run only in Windows

Details

Install MDK-Community (Keil)

Download MDK Microcontroller Development Kit

Link: <https://www2.keil.com/mdk5>



The screenshot shows the ARM KEIL website. The header features the 'arm KEIL' logo and navigation links: Home, Products, Download, Events, and Support. A search bar is located on the right. The main content area is titled 'MDK Microcontroller Development Kit'. Below the title, a paragraph describes the MDK as a comprehensive software development solution for Arm-based microcontrollers. A red arrow points to a 'Download MDK' button. Below this button, an update notice states: 'Update: MDK v5.37 contains Arm Compiler 6.18 and supports Arm Cortex-M85.' To the right of the main text are two columns of links: 'Quick Links' (Getting Started, Online Manuals, Compare Editions, Middleware, Learn) and 'Software Packs' (Device List, Evaluation Boards, MDK v4 Legacy Support, Third-Party Software Packs, Public Software Packs). A 'Learning Platform' button is visible in the top right corner.

arm KEIL

Home / MDK

MDK Microcontroller Development Kit

Keil® MDK is the most comprehensive software development solution for Arm®-based microcontrollers and includes all components that you need to create, build, and debug embedded applications.

[Download MDK](#)

Update: MDK v5.37 contains Arm Compiler 6.18 and supports Arm Cortex-M85.

Quick Links

- Getting Started
- Online Manuals
- Compare Editions
- Middleware
- Learn

Software Packs

- Device List
- Evaluation Boards
- MDK v4 Legacy Support
- Third-Party Software Packs
- Public Software Packs

Learning Platform

Product Components

Fill the form

Product Information

- Software & Hardware Products
 - Arm Development Tools
 - C166 Development Tools
 - C51 Development Tools
 - C251 Development Tools
 - Debug Adapters
 - Evaluation Boards
- Product Brochures
- Newsletters

Device Database®

- Device List

Compliance Testing

- ISO/ANSI Compliance
- Validation and Verification

Distributors

- Overview

home / Product Downloads

MDK-ARM

MDK-ARM Version 5.37
Version 5.37

Complete the following form to download the Keil software development tools.

Enter Your Contact Information Below

First Name:

Last Name:

E-mail:

Company:

Job Title:

Country/Region:

State/Province:

Phone:

☐ Send me e-mail when there is a new update.

NOTICE:
If you select this check box, you **will** receive an e-mail message from Keil whenever a new update is available. If you don't wish to receive an e-mail notification, don't check this box.

Which device are you using?
(eg. STM32)

[Home](#) / [Product Downloads](#)

MDK-ARM


MDK-ARM Version 5.37
Version 5.37

- Review the [hardware requirements](#) before installing this software.
- Note the [limitations of the evaluation tools](#).
- [Further installation instructions for MDK5](#)

(MD5:9a3e824a57eb370555826d53f2f6056d)

To install the MDK-ARM Software...






- Right-click on **MDK537.EXE** and save it to your computer.
- PDF files may be opened with Acrobat Reader.
- ZIP files may be opened with PKZIP or WINZIP.



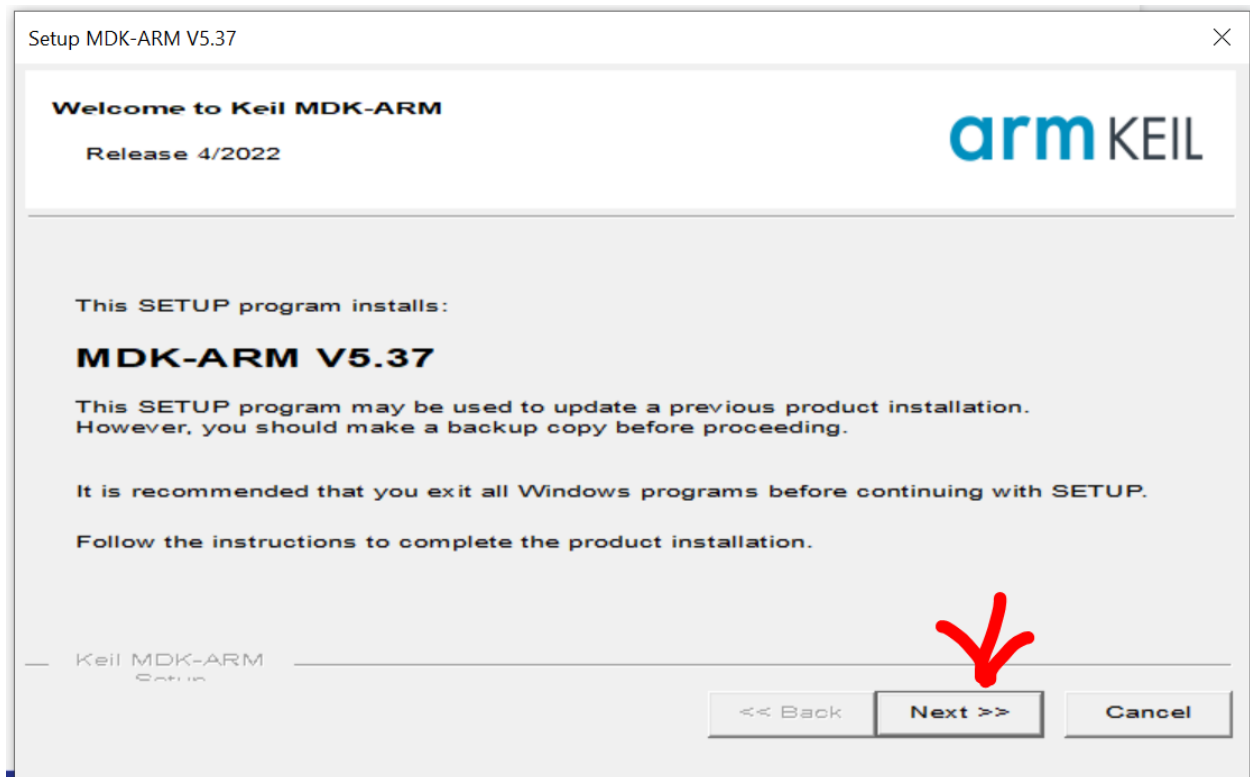
MDK537.EXE (876,270K)
Tuesday, May 3, 2022

OPEN Installation Package

This PC > Local Disk (C:) > Users > echoe > Downloads

	Date modified	Type	Size
 MDK537.EXE	8/25/2022 11:16 PM	Application	876,270 KB
 Introduction to Embedded Systems Interfacing ...	8/23/2022 12:05 AM	Microsoft Edge PDF ...	5,487 KB
 Introduction to Embedded Systems Interfacing ...	8/23/2022 12:03 AM	Microsoft Edge PDF ...	4,595 KB
 Aug 22 Statement - 08_29_2022-080122.pdf	8/22/2022 8:48 AM	Microsoft Edge PDF ...	825 KB
Earlier this month (9)			
 《FreeRTOS 内核实现与应用开发实战—基于ST...	8/17/2022 12:52 PM	Microsoft Edge PDF ...	7.650 KB

Follow the prompts



Get a valid license key

Link: [Sign up Link](#)

Sign up for an arm mbed account

Upcoming maintenance on Mbed sites: Tuesdays 1000 - 1100 UTC | [Learn how this might affect you](#)



Sign up

Already have an Mbed account? [Log in](#)

Create a free Mbed account to access Mbed tools and services and contribute to the developer community.

Email address *

Username *

Password *

First name *

Last name *

Country *

Arm will process your information in accordance with our [Privacy Policy](#).

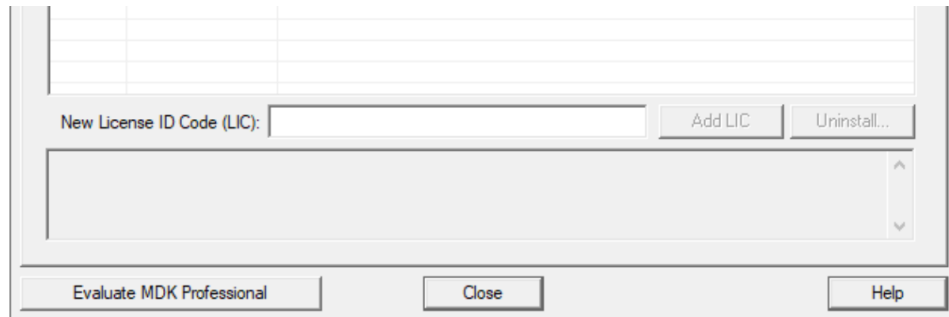
☐ By ticking this box you indicate your consent to receiving marketing communications from Arm in accordance with our Privacy Policy. Please visit our [Subscription Center](#) to manage your marketing preferences or unsubscribe from further communications.

☐ I agree to Arm's [terms and conditions of use](#).

Sign up

4. Click *Get LIC via Internet...*, then click *OK* to register the product. The License Management page on the Keil web site will open.

Scroll down and find the Product serial number, we will use this code later



4. Click *Get LIC via Internet...*, then click *OK* to register the product. The License Management page on the Keil web site will open.

5. Enter the following serial number in the Product Serial # (PSN) field:



6. Complete and submit the rest of the form.

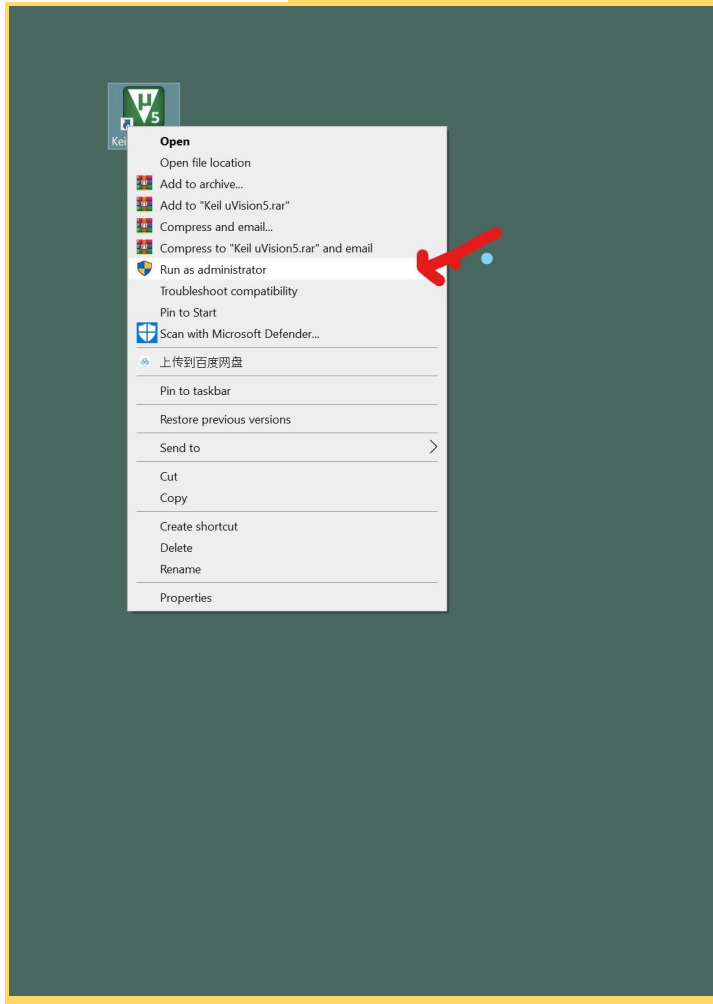
7. You will receive a License ID Code (LIC) to your email address. Enter this in the New License ID Code (LIC) field in μ Vision and click 'Add LIC'.

If you encounter problems, look for help in the [Keil forum](#).

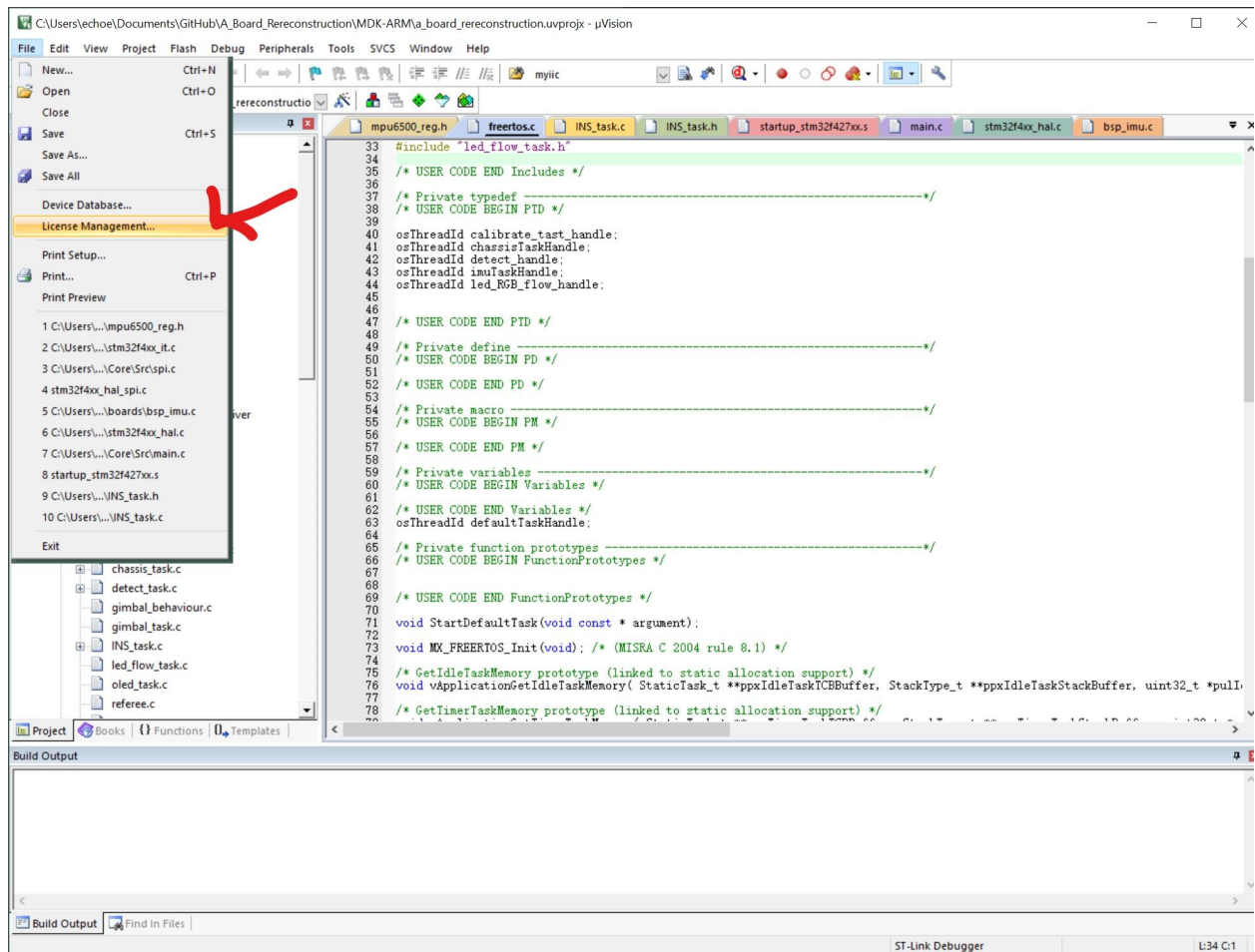
You're all set!

- [Getting Started](#)
- [Docs](#)
- [Community](#)

Open Keil: “run as administrator”

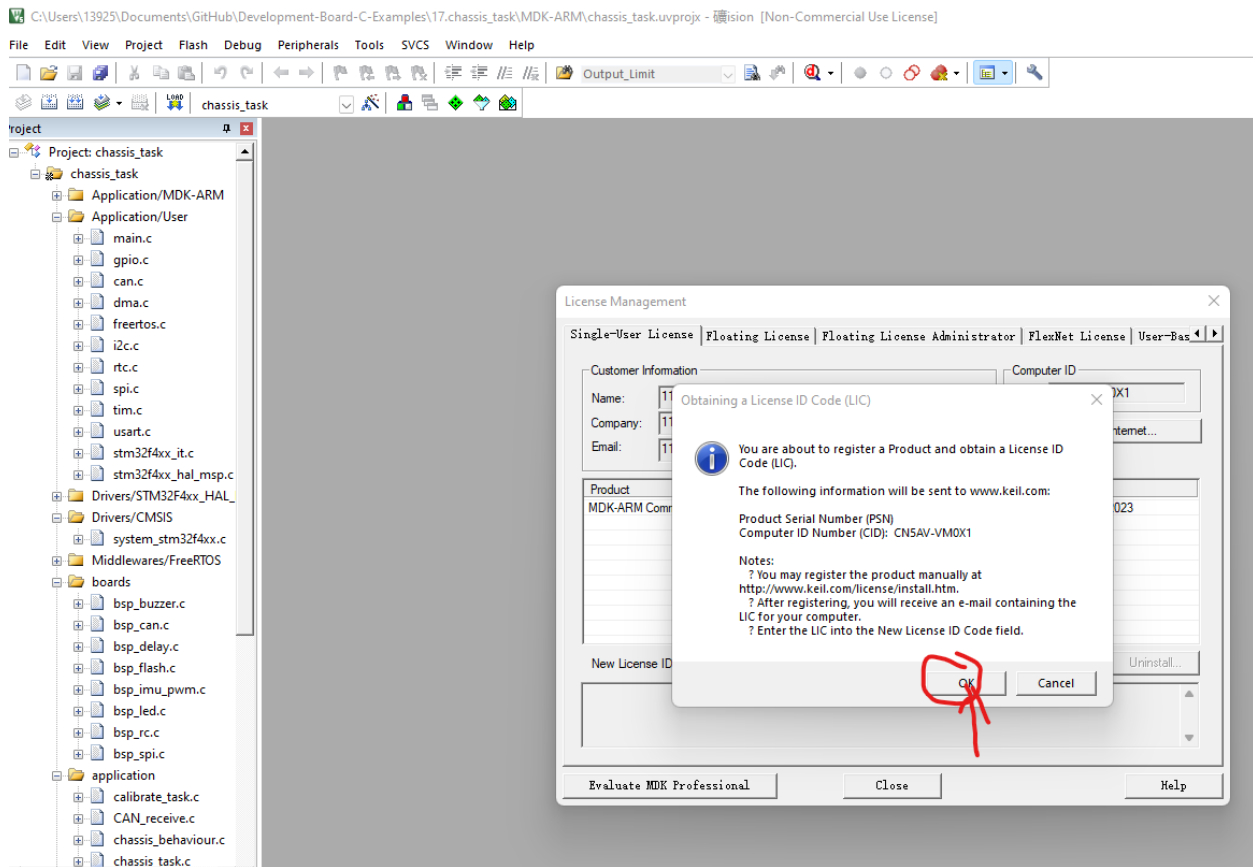


Then, open license management





Press OK, and will open up a website



Fill another form.

The screenshot shows a web browser window with the address bar displaying `keil.com/license/install.htm?C=CN5AV-VM0X1&E=11&F=11&L=11&O=11`. The page title is "Single-User License Management". The navigation menu includes "Products", "Download", "Events", "Support", and "Videos". The left sidebar shows "Product Licensing" with sub-links: "Overview", "Single-User License", "Single-User License Uninstall", and "Floating-User License". The main content area is titled "Single-User License" and includes instructions: "Enter your Product Serial Number (PSN) and contact information using the following form to license your Keil product. **Be sure to include dashes.**" and "Please make certain your e-mail address is valid. After verifying your Product Serial Number and Computer ID (CID), we will send you a License ID Code (LIC) via e-mail. E-mail is sent from licmgr@keil.com so make sure any spam blocker you use is configured to allow this address."

Enter Your Contact Information Below

Computer ID (CID):

Product Serial # (PSN):

PC Description:

Enter a description of the PC on which this license is registered.
For example: LAB PC, Office Computer, Laptop, John's PC, etc.

First Name:

Last Name:

E-mail:

Company:

Job Title:

Country/Region:

State/Province:

Phone:

CID:

License Management

Single-User License | Floating License | Floating License Administrator | FlexNet License | User-Bas

Customer Information

Name: 11 11

Company: 11

Email: 11

Computer ID

CID: [Redacted]

Get LIC via Internet...

Product	License ID Code (LIC)/Product variant	Support Period
MDK-ARM Community	[Redacted]	Operation Expires: 31 Aug 2023

New License ID Code (LIC): [Empty field]

Add LIC Uninstall...

Evaluate MDK Professional Close Help

Product Serial : on page 9

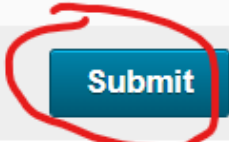

submit :

heard about Keil? (Select all that apply)	<input type="checkbox"/> Another web site	<input type="checkbox"/> magazine
	<input type="checkbox"/> Catalog	<input type="checkbox"/> Magazine
	<input type="checkbox"/> Chip Vendor	<input type="checkbox"/> Mailing
	<input type="checkbox"/> Discussion Forum	<input type="checkbox"/> Product I
	<input type="checkbox"/> Emulator Vendor	<input type="checkbox"/> Trade Sh
	<input type="checkbox"/> Eval Board Vendor	<input type="checkbox"/> USENET
	<input type="checkbox"/> Friend/Co-worker	<input type="checkbox"/> Web-bas

☐ The product I ordered was received in good condition.

☐ Send me e-mail when there is a new update.
NOTICE:
If you select this check box, you **will** receive an e-ma
whenever a new update is available. If you don't wis
notification, don't check this box.

We will process your information in accordance with the Download section of our [Privacy](#)




A license Key will be sent to your email

Thank you for licensing your Keil product. Your License ID Code (LIC) is printed below. Print a copy of this e-mail to keep for your records.

MDK-Community
Product Expires 31 Aug 2023

PC Description : LAB PC

Computer ID (CID): [REDACTED]

License ID Code (LIC): [REDACTED] 

To activate your Keil product, copy the License ID Code (LIC) and paste it into the New License ID Code input field on the Single-User License Tab in the uVision License Manager Dialog (available from the File menu).

*** DO NOT REPLY TO THIS EMAIL: For licensing problems or questions, please contact Keil Technical Support.

Thank You,
Technical Support

Copy the license key from the email and put it into the New License ID code area, and press Add LIC

The screenshot shows the 'License Management' dialog box with the 'Single-User License' tab selected. The 'Customer Information' section contains fields for Name, Company, and Email, all with the value '11'. The 'Computer ID' section has a 'CID' field and a 'Get LIC via Internet...' button. A table lists the license details for 'MDK-ARM Community', showing a redacted 'License ID Code (LIC)/Product variant' and a 'Support Period' of 'Operation Expires: 31 Aug 2023'. Below the table, the 'New License ID Code (LIC):' field contains a redacted key. A red arrow points from the handwritten text 'copy License' to this field. Another red arrow points to the 'Add LIC' button, which is circled in red. The 'Uninstall...' button is also visible. At the bottom are 'Evaluate MDK Professional', 'Close', and 'Help' buttons.

Product	License ID Code (LIC)/Product variant	Support Period
MDK-ARM Community	[Redacted]	Operation Expires: 31 Aug 2023

New License ID Code (LIC): [Redacted] **Add LIC** Uninstall...

End

Download CubeMX

<https://www.st.com/en/development-tools/stm32cubemx.html#get-software>

find the download link in the email

