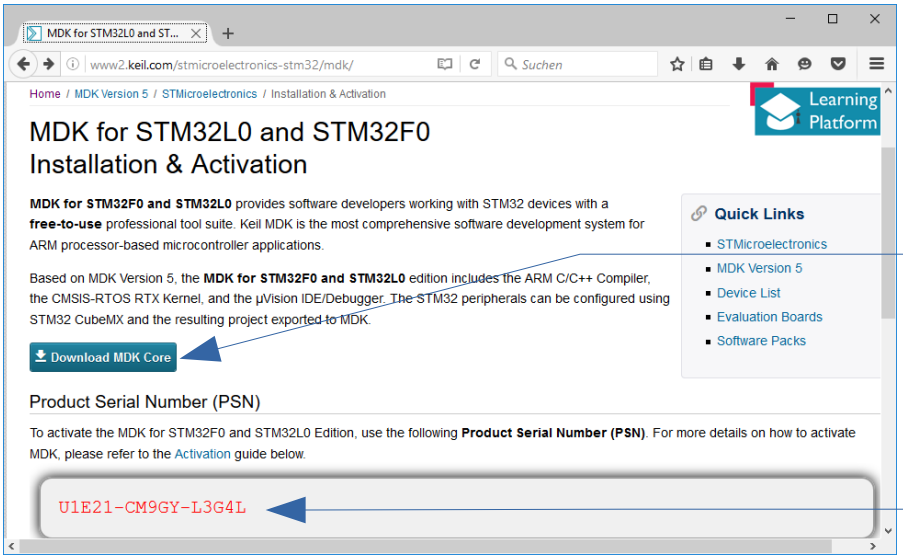
1 Download, installation and activation

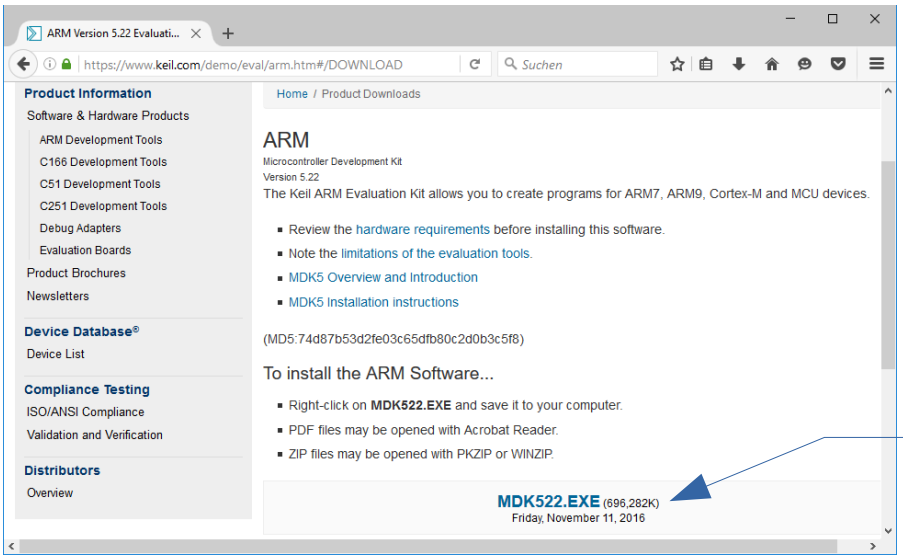
1.1 Installation of Keil MDK

Download Keil MDK from http://www2.keil.com/stmicroelectronics-stm32/mdk

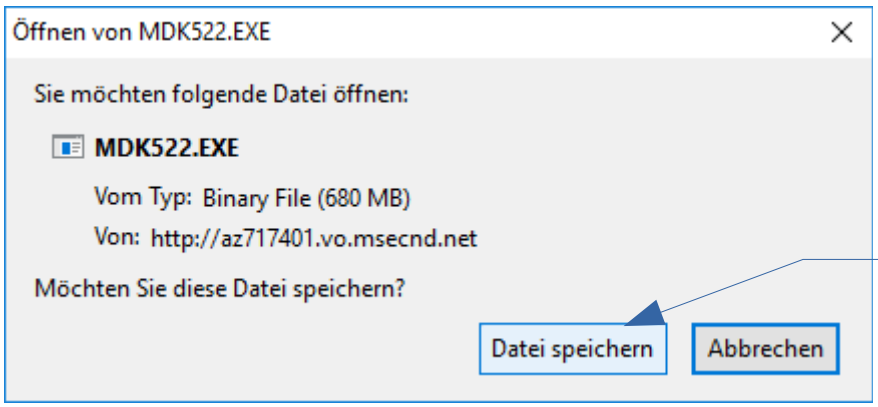


2. Click button

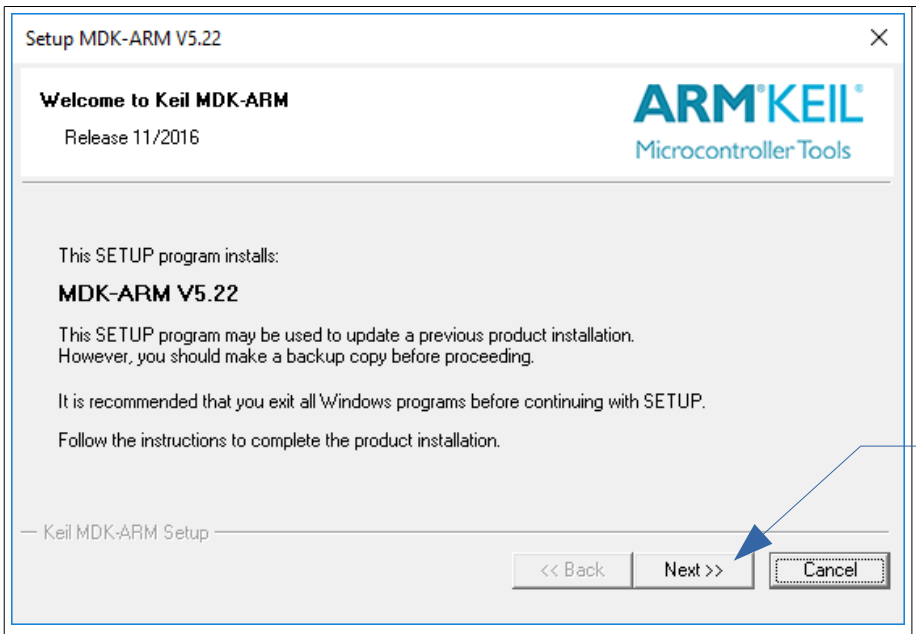
1. Notice code



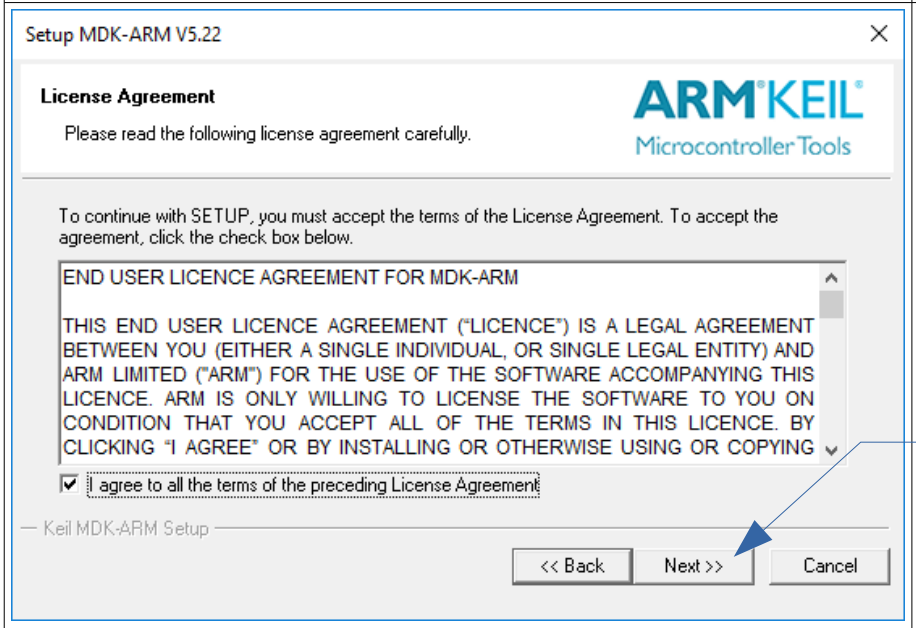
Download exe



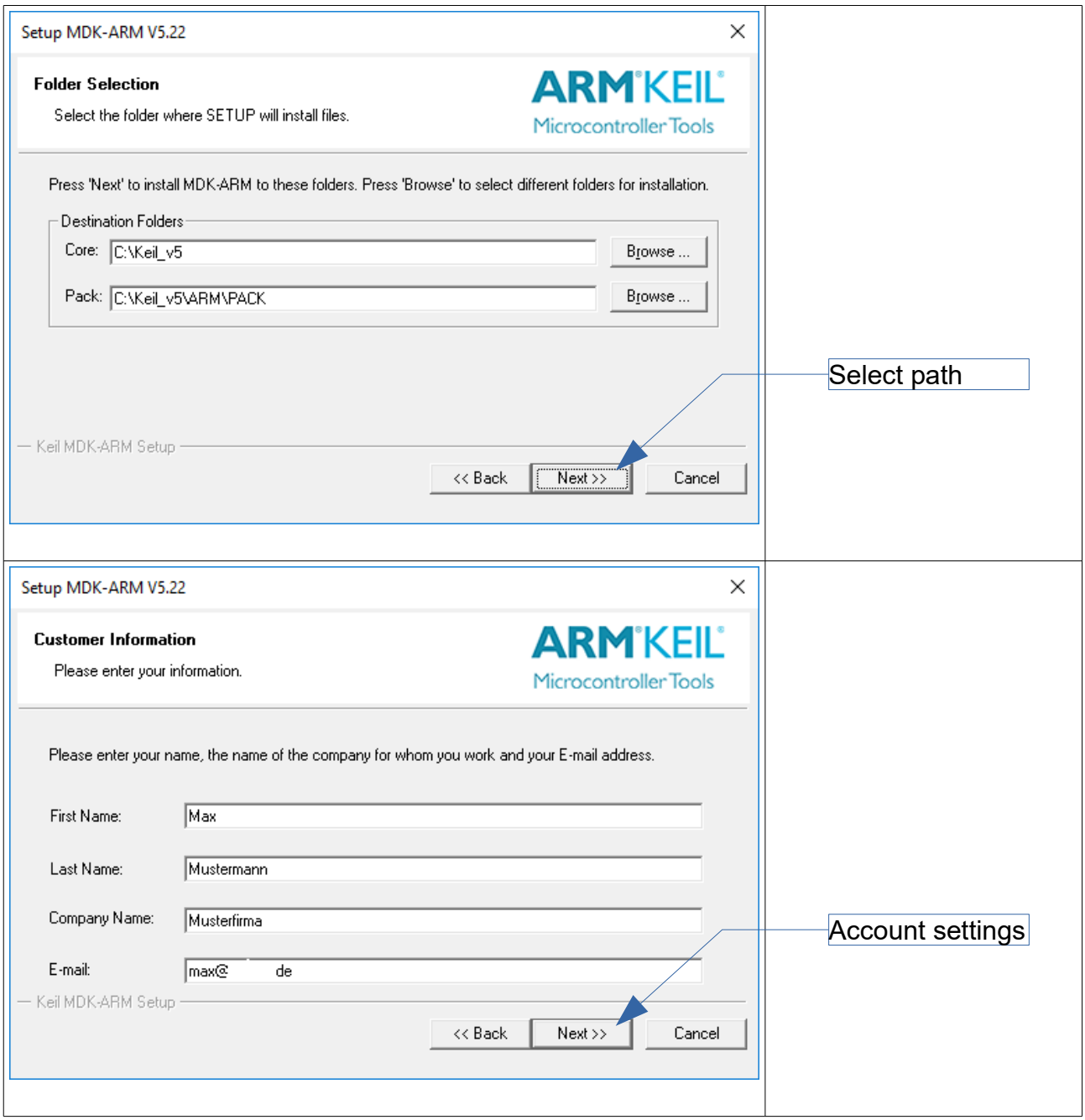
Save and execute exe

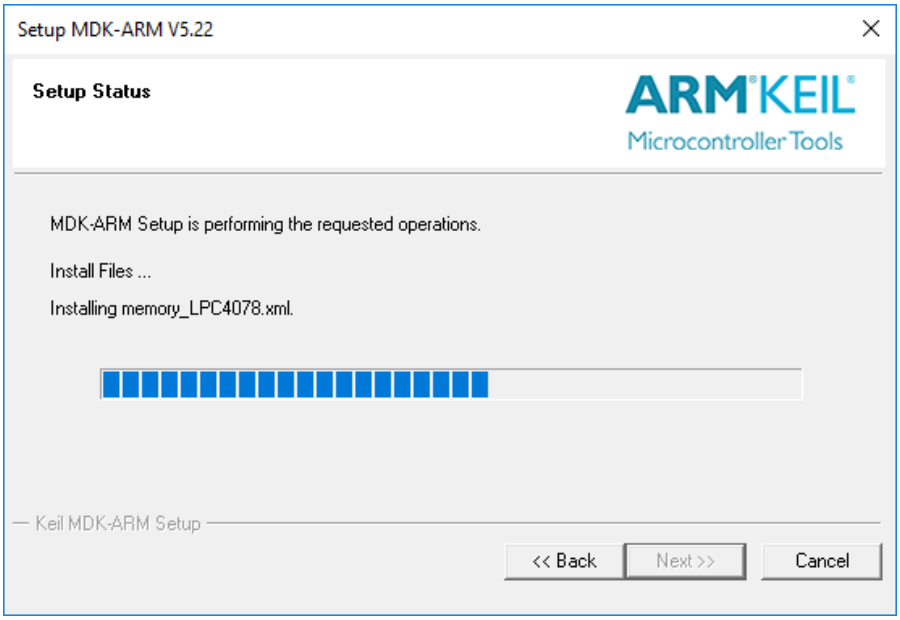


Start installation

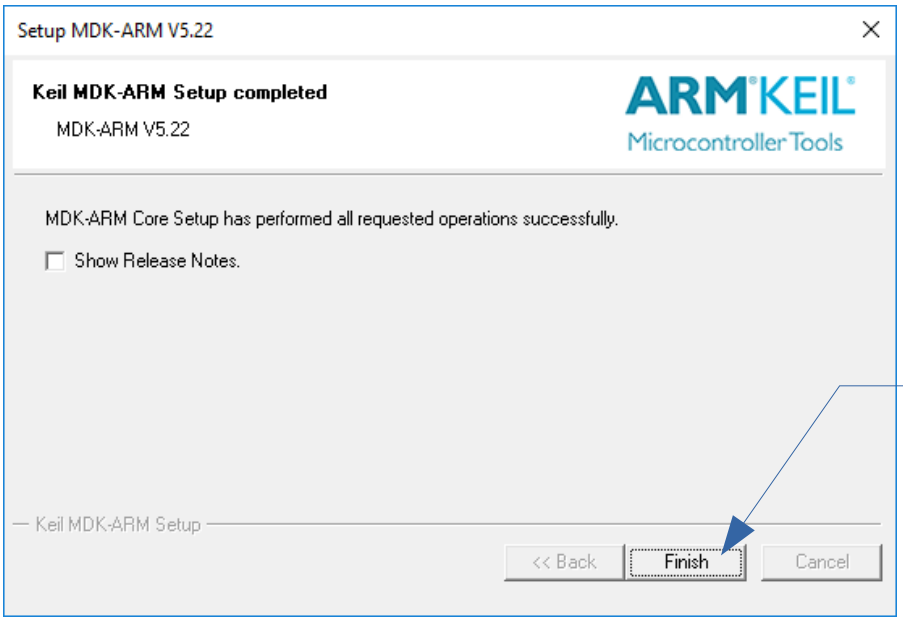


Accept license


Setup MDK-ARM V5.22
Folder Selection
Select the folder where SETUP will install files.
ARM KEIL
Microcontroller Tools
Press 'Next' to install MDK-ARM to these folders. Press 'Browse' to select different folders for installation.
Destination Folders
Core: C:\Keil_v5
Browse ...
Pack: C:\Keil_v5\ARM\PACK
Browse ...
Keil MDK-ARM Setup
<< Back
Next >>
Cancel
Select path
Setup MDK-ARM V5.22
Customer Information
Please enter your information.
ARM KEIL
Microcontroller Tools
Please enter your name, the name of the company for whom you work and your E-mail address.
First Name: Max
Last Name: Mustermann
Company Name: Musterfirma
E-mail: max@ de
Keil MDK-ARM Setup
<< Back
Next >>
Cancel
Account settings

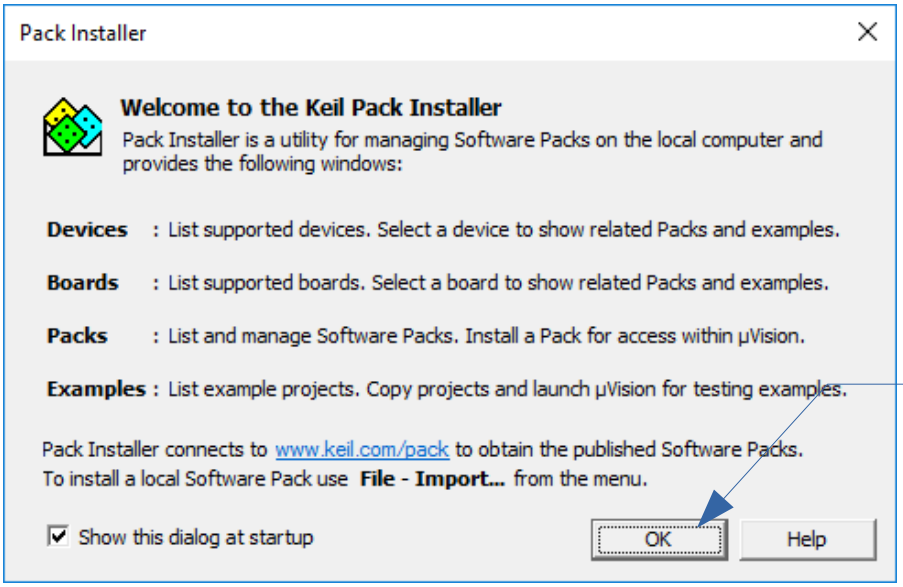


Driver installation

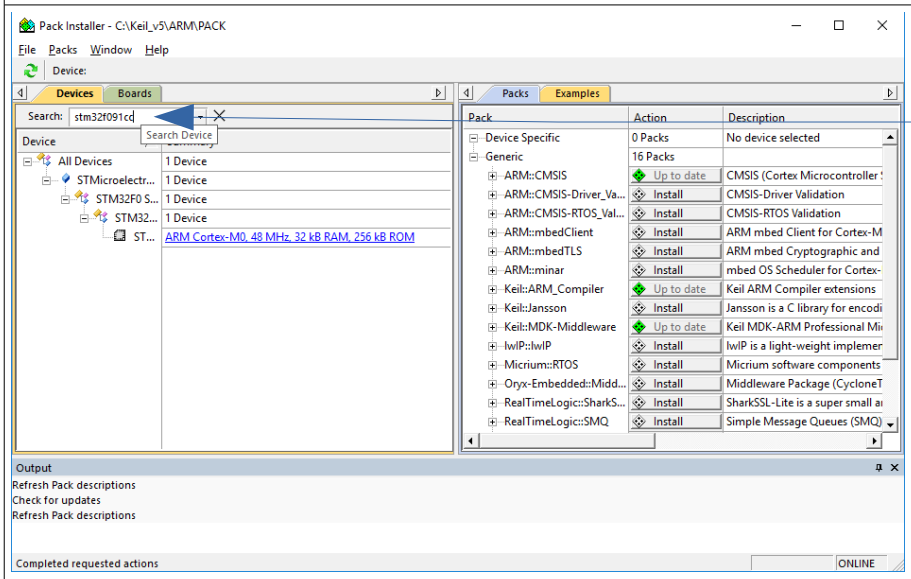


Installation complete

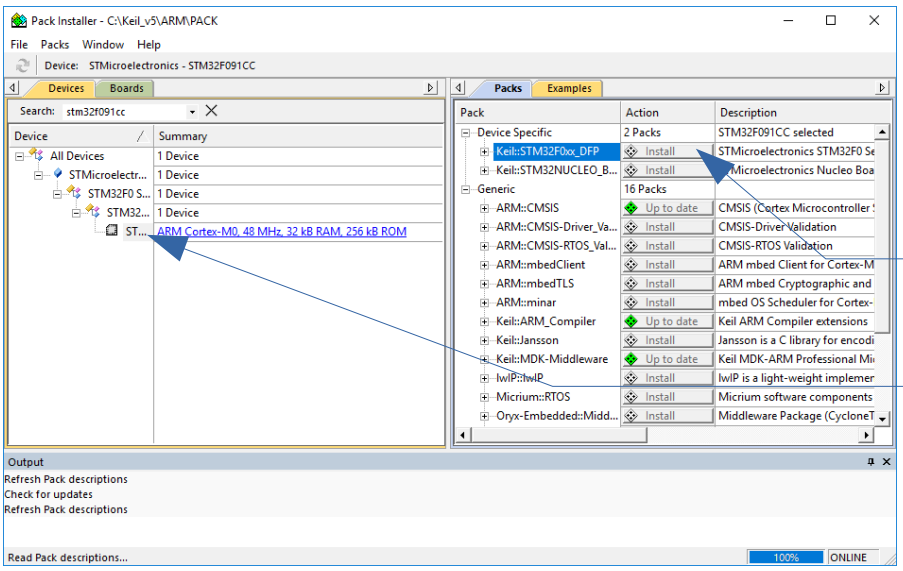
1.2 Installation of Keil packages



Start Pack Installer

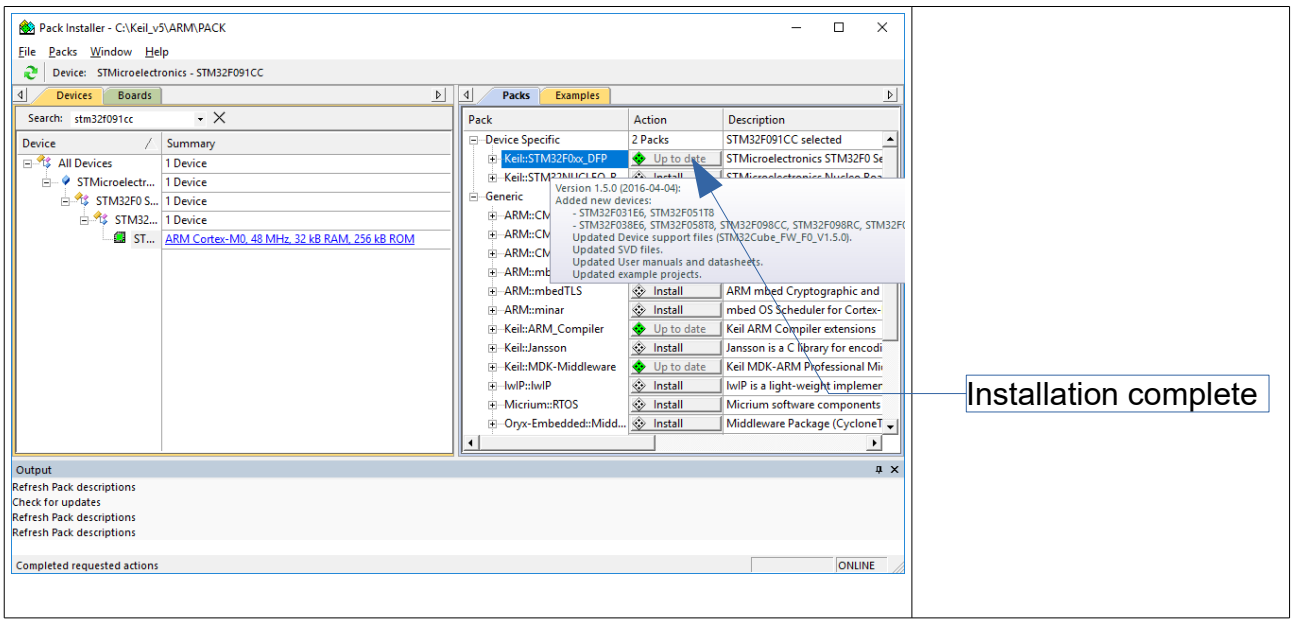


Type in stm32f091cc and press the return button, the tree will be opened

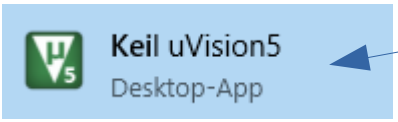


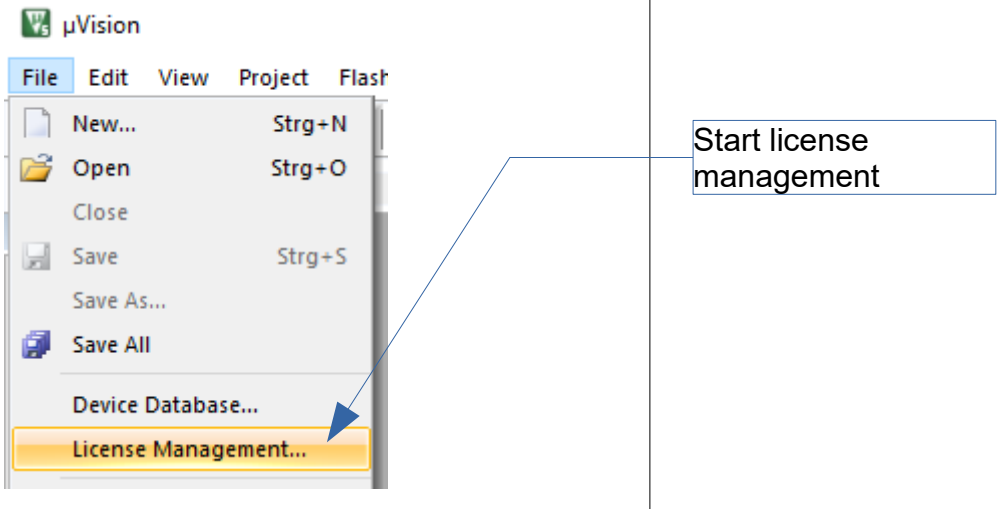
2. click Install

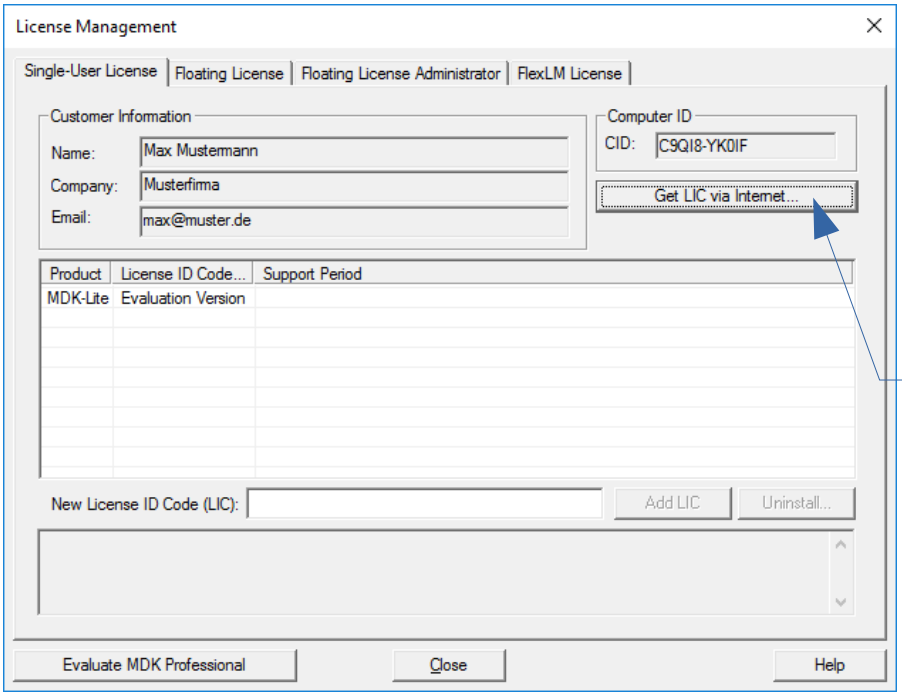
1. Select the device



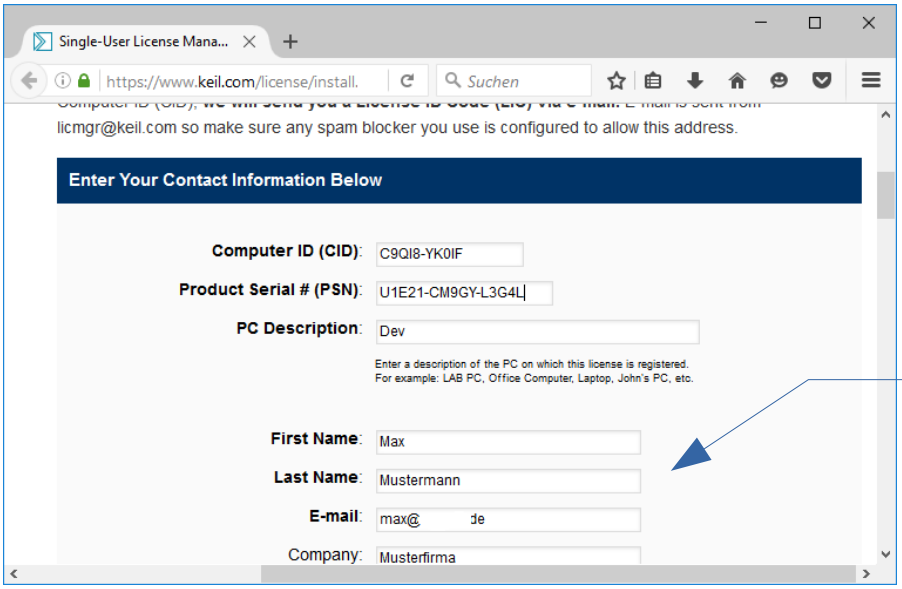
1.3 Get license



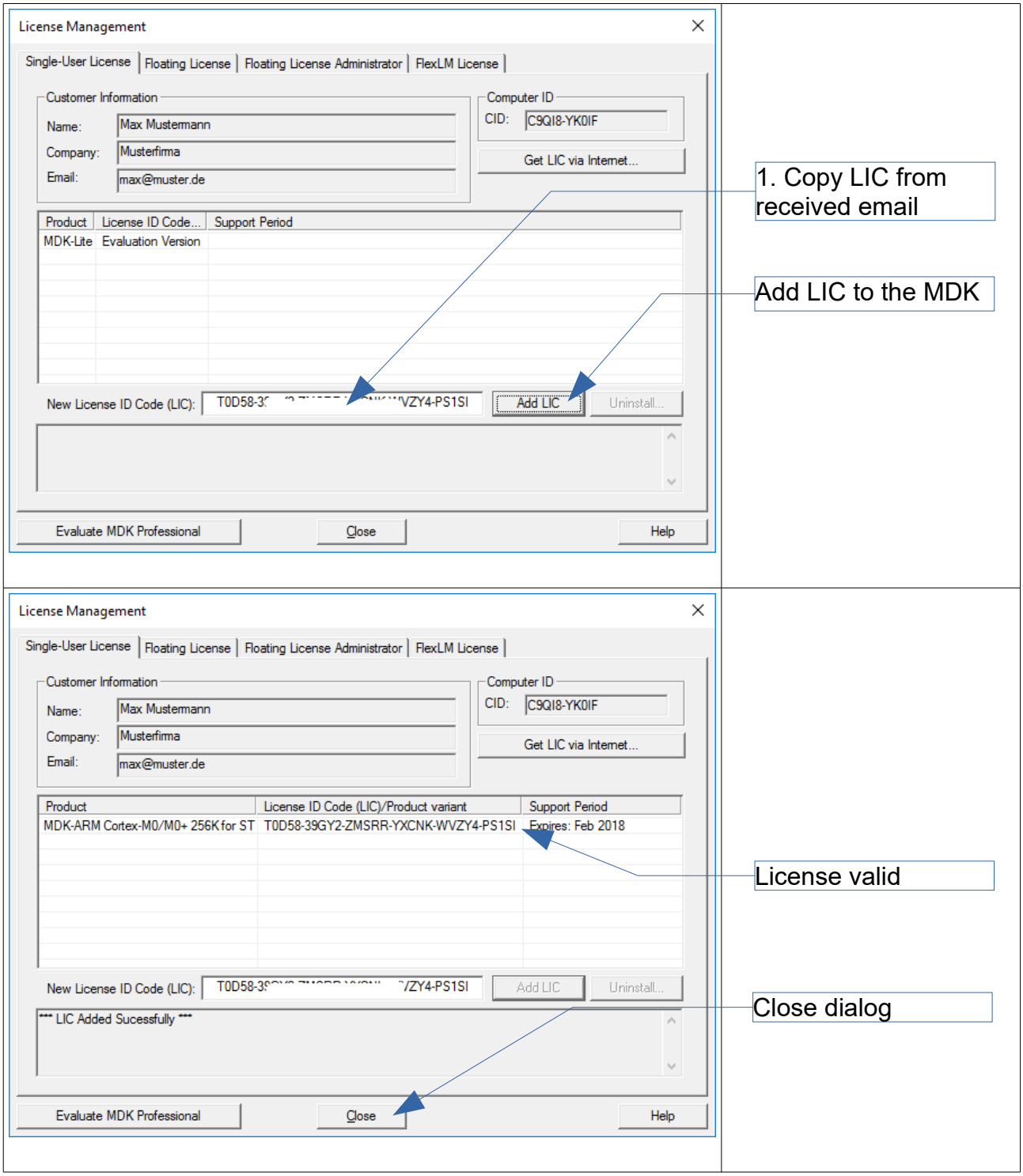




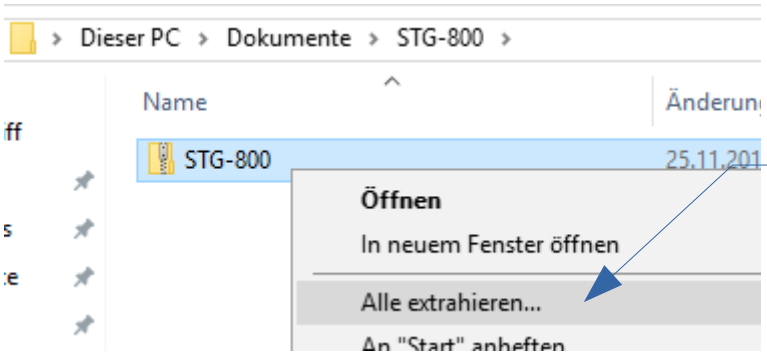
Get license by internet



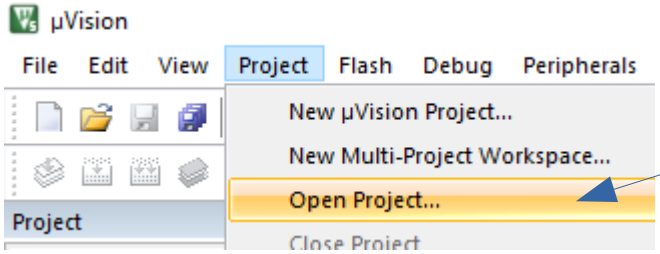
Enter contact informations


License Management
Single-User License
Floating License
Floating License Administrator
FlexLM License
Customer Information
Name:
Max Mustermann
Company:
Musterfirma
Email:
max@muster.de
Computer ID
CID:
C9QI8-YK0IF
Get LIC via Internet...
Product
License ID Code...
Support Period
MDK-Lite
Evaluation Version
New License ID Code (LIC):
T0D58-3
VZY4-PS1SI
Add LIC
Uninstall...
Evaluate MDK Professional
Close
Help
1. Copy LIC from received email
Add LIC to the MDK
License Management
Single-User License
Floating License
Floating License Administrator
FlexLM License
Customer Information
Name:
Max Mustermann
Company:
Musterfirma
Email:
max@muster.de
Computer ID
CID:
C9QI8-YK0IF
Get LIC via Internet...
Product
License ID Code (LIC)/Product variant
Support Period
MDK-ARM Cortex-M0/M0+ 256K for ST
T0D58-39GY2-ZMSRR-YXCNK-WVZY4-PS1SI
Expires: Feb 2018
New License ID Code (LIC):
T0D58-3
/ZY4-PS1SI
Add LIC
Uninstall...
*** LIC Added Sucessfully ***
Evaluate MDK Professional
Close
Help
License valid
Close dialog

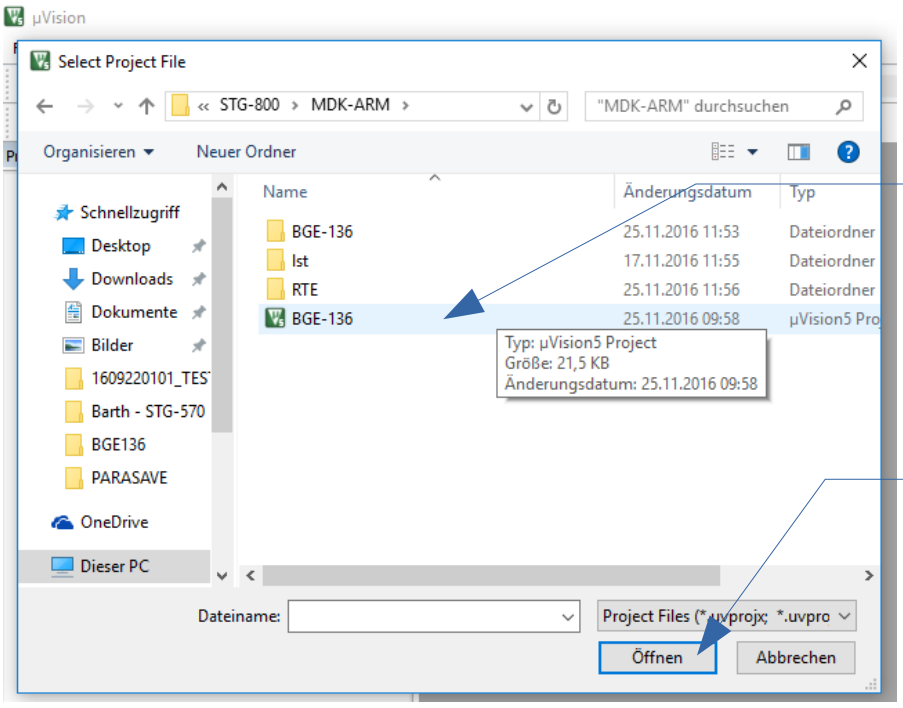
2 Load sample project



Unzip sample project

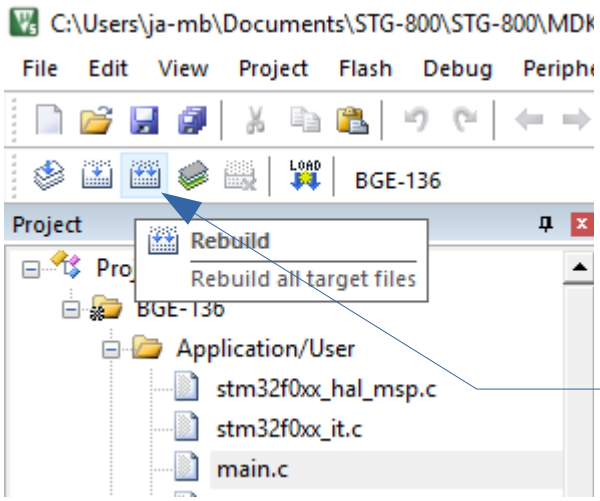


Click open project

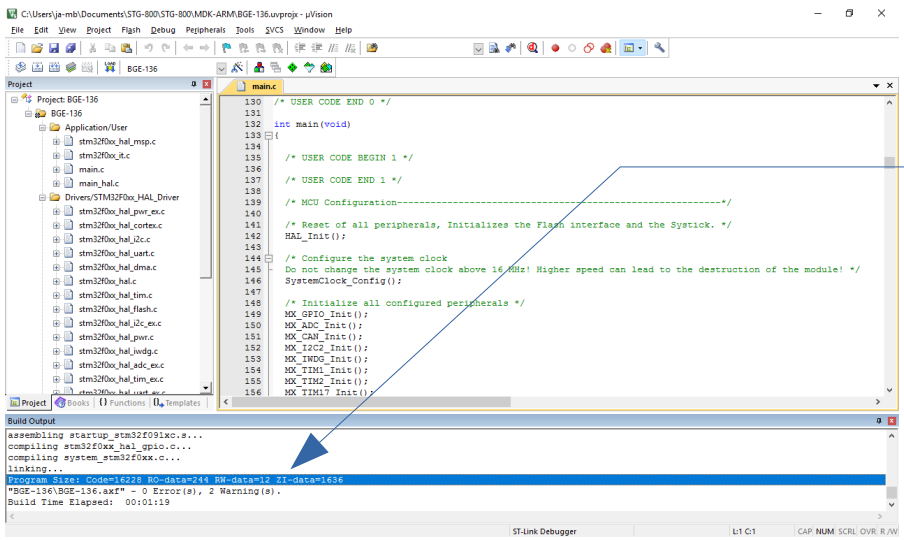


1. Select sample project file

2. Click open



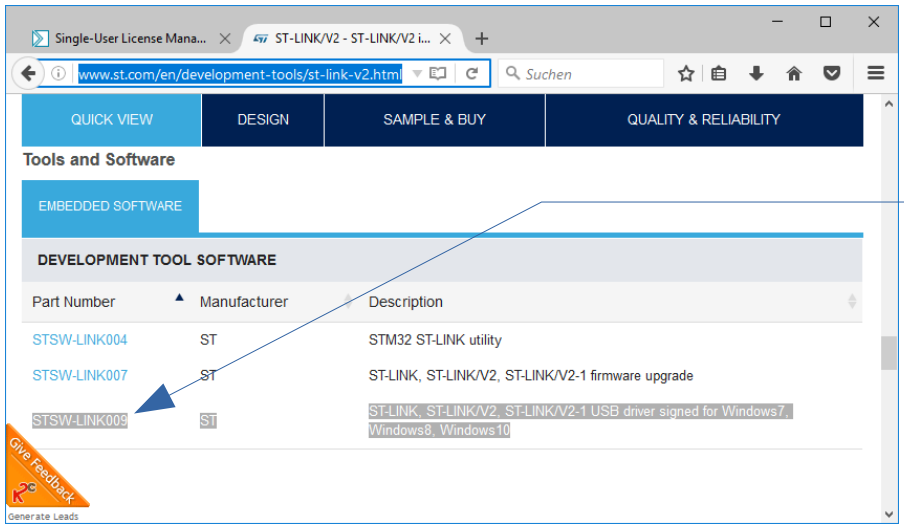
Rebuild project



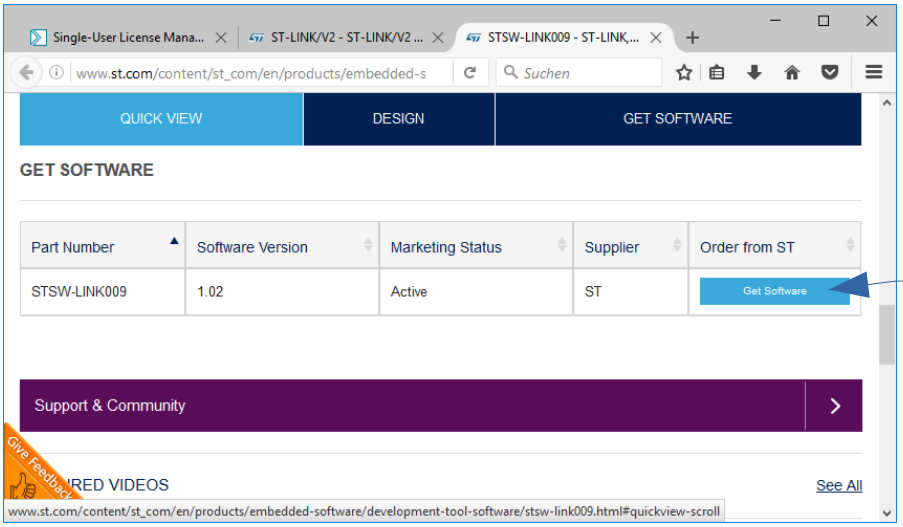
Rebuild done

3 Install ST-Link driver

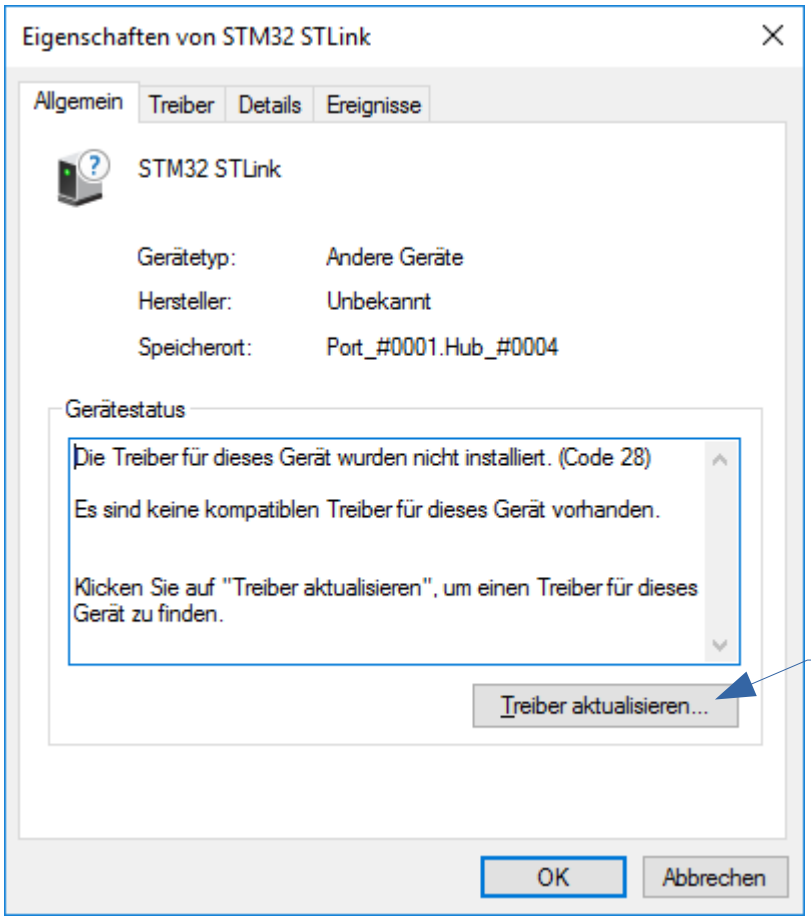
Open http://www.st.com/en/development-tools/st-link-v2.html



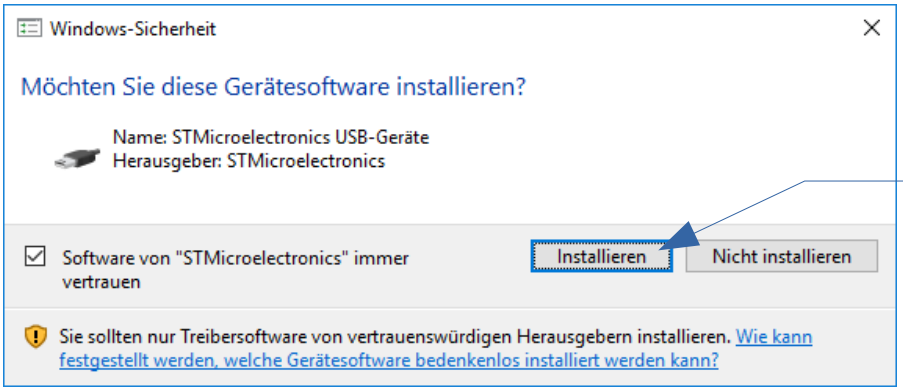
Open USB driver



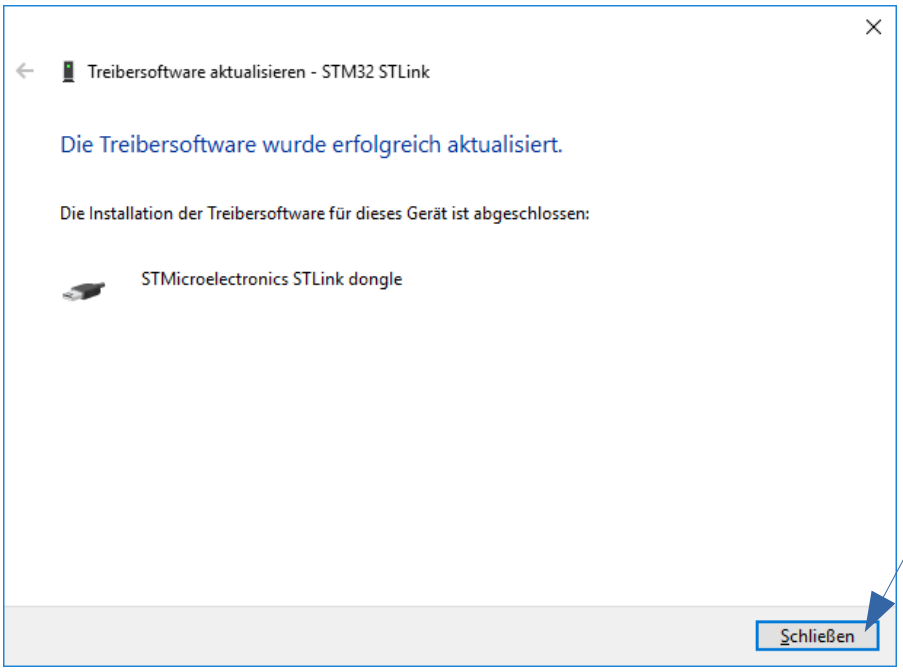
Download and unzip the USB driver



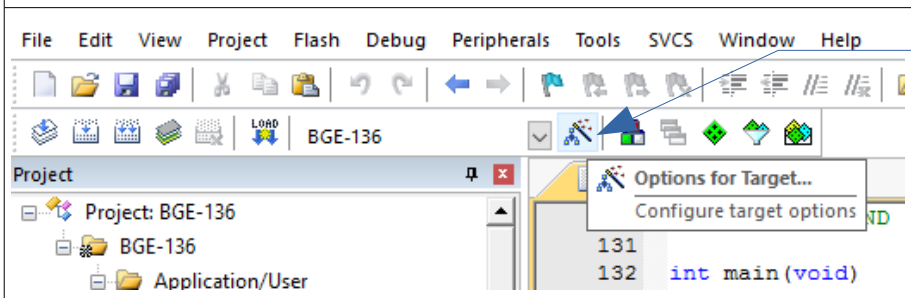
Connect Debugger with the PC and open STM32 STLink property from Device Manager and click update driver



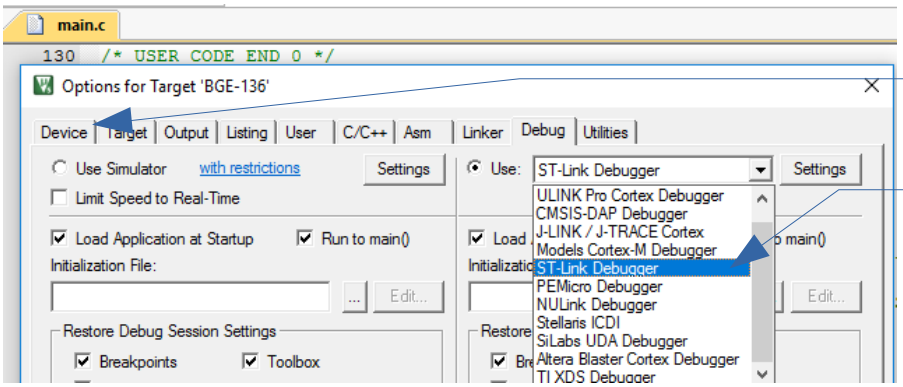
Open unzipped USB driver and install it



USB driver installation done

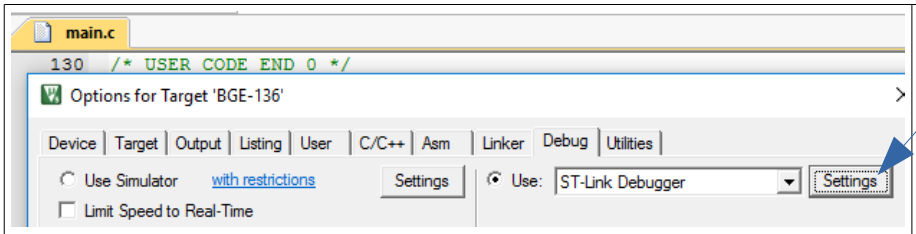


Target options

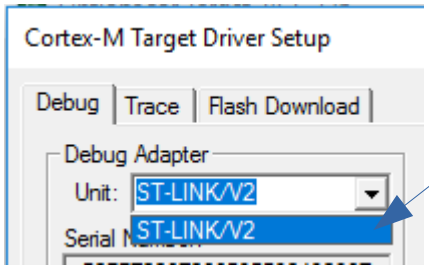


1. Select device

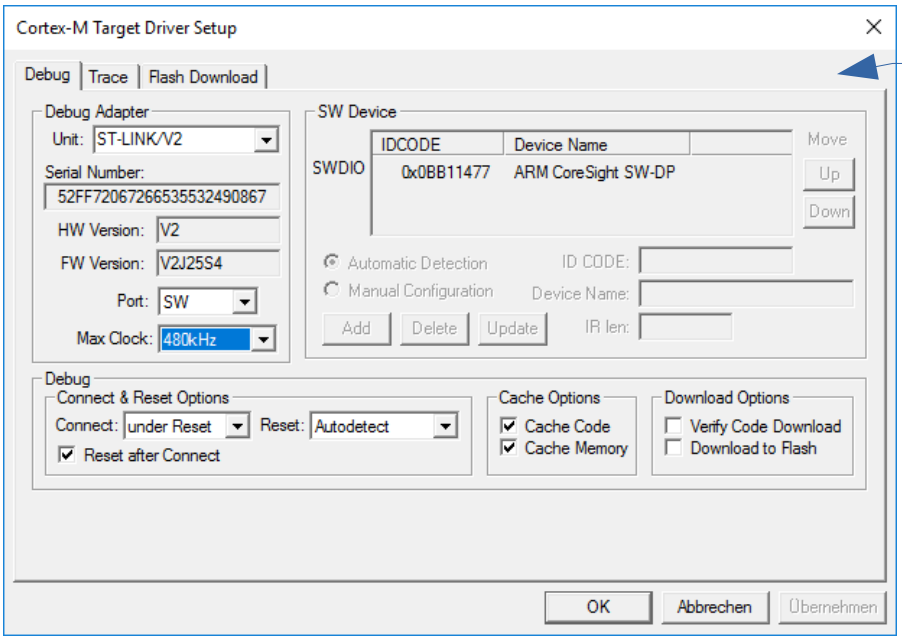
2. select ST-Link Debugger



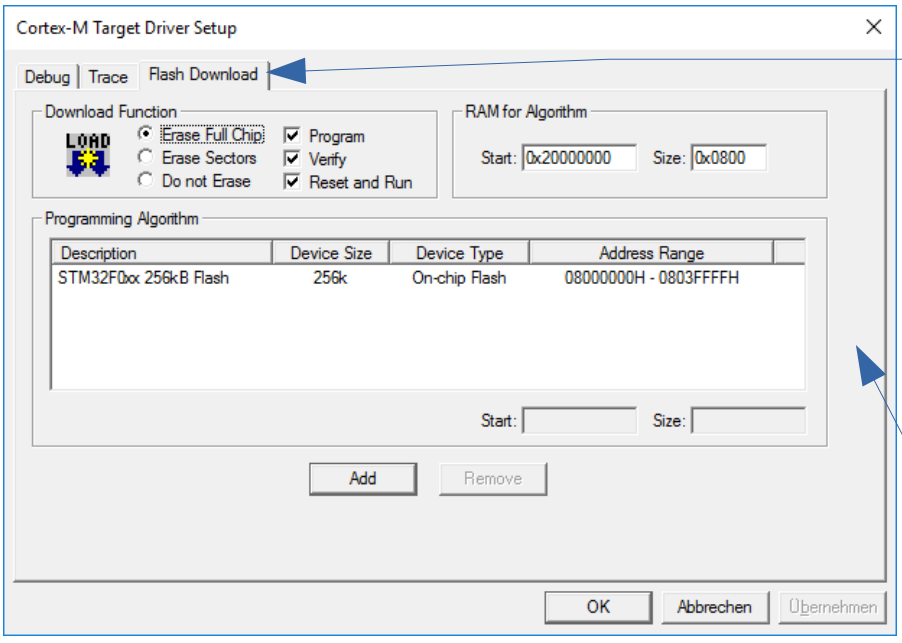
Open settings



Select ST-LINK/V2



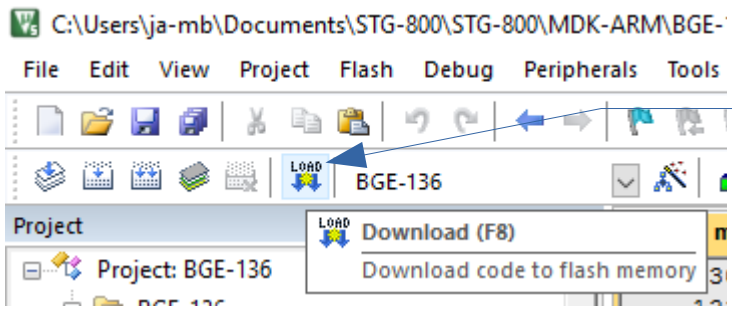
Verify all settings



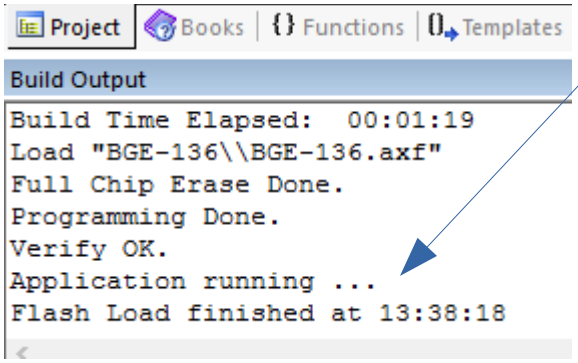
1. Open Flash download page

2. Verify all settings For new devices, the function Erase Full Chip should selected

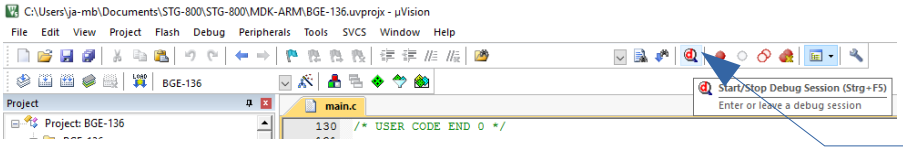
4 Download to the device and debugging



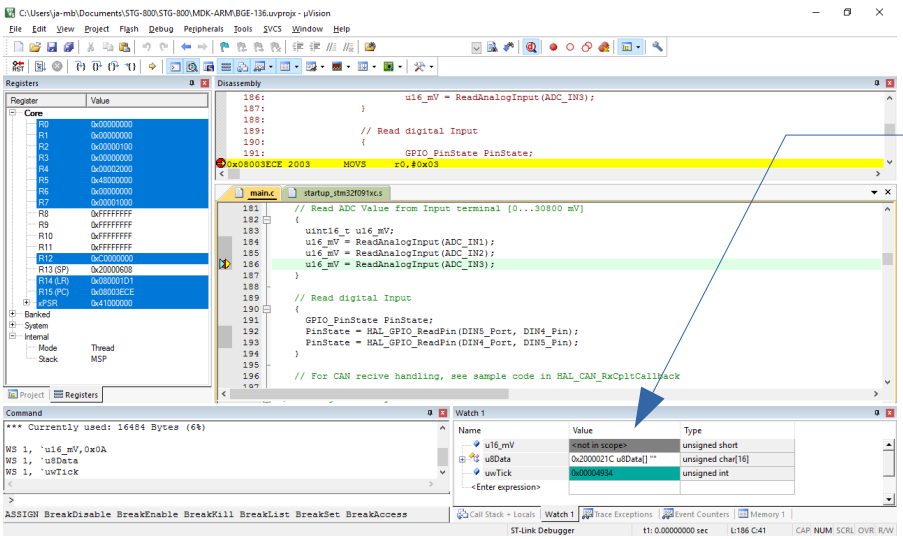
Download application to the device



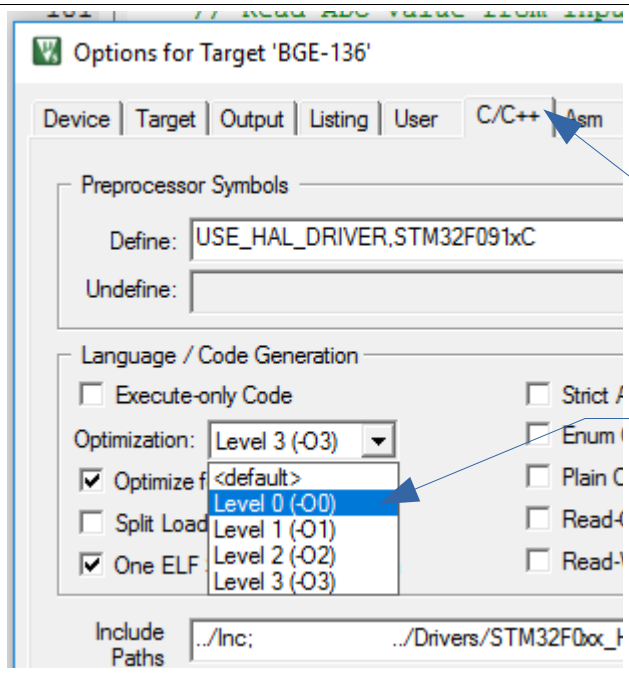
Download done and application started



Start debugging

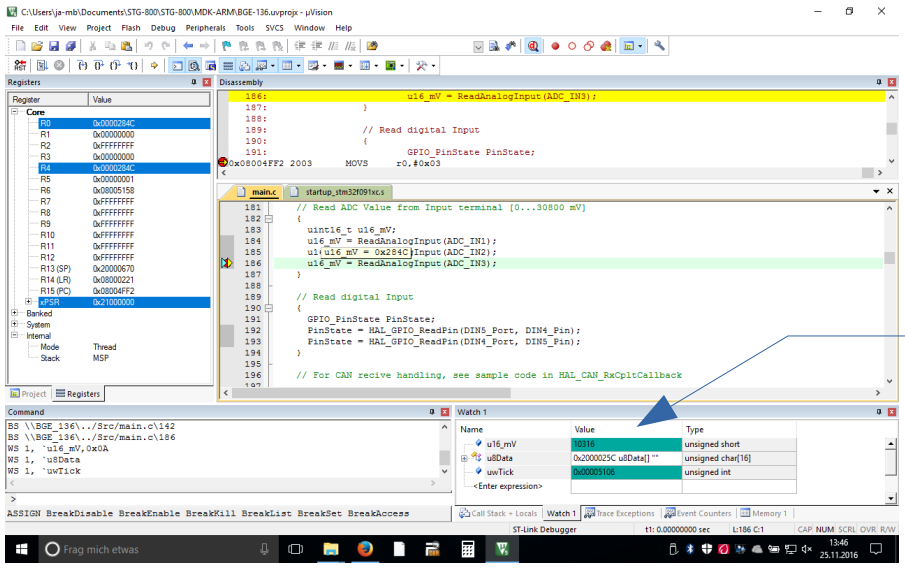


Depending from optimization level, some content are not visible



Open target options and the C/C++ page

Disable optimization by select Level 0, rebuild the project and start debugging



All variable content are visible