

Introduction

ST-MCU-FINDER-PC is a desktop tool which helps designers find the STM8 or STM32 microcontrollers, or STM32 boards that best fit their application. It provides a part number shortlist based on the user selection of peripherals and MCU characteristics.

ST-MCU-FINDER-PC is the desktop version of ST-MCU-FINDER, which is tailored to smartphones and tablets. It is included in the ST MCUFinder package and installed through the ST MCUFinder installer.

In this document, ST-MCU-FINDER-PC is referred to as ST MCUFinder.

Customer support

For more information or help concerning ST-MCU-FINDER-PC, contact the nearest STMicroelectronics sales office. For a complete list of STMicroelectronics offices and distributors, refer to the www.st.com webpage.

Software updates

Software updates and all the latest documentation can be downloaded from the STMicroelectronics microcontroller support <http://www.st.com/stmcufinder> webpage. Refer to [Table 1](#) for the latest release summary.

Table 1. ST-MCU-FINDER-PC 2.0 release summary

Type	Summary
Major release	First version of the ST-MCU-FINDER-PC supporting the full STM32 microcontroller and board portfolio, as well as the STM8 microcontroller portfolio.



Host PC system requirements

The ST-MCU-FINDER-PC application scope includes the complete portfolio of STM32 Arm^{®(a)} Cortex[®]-M microcontrollers and boards.



Supported operating systems and architectures

- Windows[®] 7: 32-bit (x86), 64-bit (x64)
- Windows[®] 8: 32-bit (x86), 64-bit (x64)
- Windows[®] 10: 32-bit (x86), 64-bit (x64)
- Linux[®] (tested on Red Hat[®], Fedora[®] and Ubuntu[®], 32 and 64 bits)
- macOS[®] (minimum version OS X[®] Yosemite)^(b)

Software requirements

For Windows[®] and Linux[®], install Java Run Time Environment for 1.7.0_45 or later.

For macOS[®], install Java Development Kit 1.7.0_45 or later.

If Java[™] is not installed on the computer, the ST MCUFinder installer opens the Java download web page and stop.

a. Arm is a registered trademark of Arm Limited (or its subsidiaries) in the US and/or elsewhere.

b. macOS[®] is a trademark of Apple Inc., registered in the U.S. and other countries.

Installing ST MCUFinder

Installing ST MCUFinder desktop version

To install ST MCUFinder, follow the sequence below:

1. Download the ST MCUFinder installation package from www.st.com.
2. Extract (unzip) the whole *en.st-mcu-finder-pc.zip* package into the same directory.
3. Check your access rights and launch the installation wizard as follows:
On Windows®:
 - a) Make sure you have administrators rights.
 - b) Double-click the *SetupSTMCUFinder-<version number>.exe* file to launch the installation wizard.On Linux®:
 - a) Make sure you have access rights to the target installation directory. You can run the installation as root (or sudo) to install ST MCUFinder in shared directories.
 - b) Double-click (or launch from the console window) the *SetupSTMCUFinder 2.0.0.linux* file.On macOS®:
 - a) Make sure you have administrators rights.
 - b) Double-click *SetupSTMCUFinder-2.0.0* application file to launch the installation wizard.
4. Upon successful installation of ST MCUFinder on Windows®, the ST MCUFinder icon is displayed on the desktop and the ST MCUFinder application is available from the Program menu. Double-click them to open the ST MCUFinder application.
5. Delete the content of the zip from the disk.

Note: *If the proper version of the Java Runtime Environment (1.7_45 or newer) is not installed, the wizard proposes to download it and stops. Restart the ST MCUFinder installation once Java installation is complete.*

When working on Windows®, only the latest installation of ST MCUFinder is enabled in the program menu. Previous versions can be kept on the PC (even if it is not recommended) when different installation folders have been specified. Otherwise, the new installation overwrites the previous ones.

Installing ST MCUFinder from the command line

There are two ways to launch an installation from a console window: either in console interactive mode or via a script.

- Interactive mode

To perform interactive installation, type the following command:

```
java -jar SetupSTMCUFinder-<version number>.exe -console
```

An answer is requested at each installation step.

- Auto-install mode

When the installation is complete, performed either using ST MCUFinder graphical wizard or console mode, it is possible to generate an auto-installation script containing user installation preferences:

To launch the installation, just type the following command:

```
java -jar SetupSTMCUFinder-<version number>.exe auto-install.xml
```

Uninstalling ST MCUFinder

Uninstalling ST MCUFinder on Mac OS® and Linux®

To uninstall ST MCUFinder on macOS®, use the following command line:

```
java -jar <STMCUFinder installation path>/Uninstaller/uninstaller.jar.
```

Uninstalling ST MCUFinder on Windows®

There are three ways to uninstall ST MCUFinder on Windows®:

- By using the following command line

```
java -jar <STMCUFinder installation path>/Uninstaller/uninstaller.jar.
```
- Through a Windows Explorer window:
 - a) Use a file explorer.
 - a) Go to the Uninstaller directory of ST MCUFinder installation.
 - a) Double-click the start uninstall desktop shortcut.
- Through the Windows® control panel:
 - a) Select **Programs and Features** from the Windows® control panel to display the list of programs installed on the computer.
 - b) Right-click ST MCUFinder and select uninstall.

1 Revision history

Table 2. Document revision history

Date	Revision	Changes
14-Feb-2017	1	Initial release.
26-Mar-2018	2	ST-MCU-FINDER-PC scope extended to STM32 boards for version 2.0.0: <ul style="list-style-type: none">– Updated Introduction and Table 1.– Updated Installing ST MCUFinder desktop version.

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