

## Introduction

ST-MCU-FINDER-PC is a desktop tool that 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](http://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/stmcfinder> webpage. Refer to [Table 1](#) for the summary of release 3.0.0. Detailed information is available in the release note (RN0111).

**Table 1. ST-MCU-FINDER-PC 3.0.0 release summary**

Type	Summary
Major release	<ul style="list-style-type: none"><li>– New user interface with flat design and new look and feel</li><li>– New <i>Cross Selector</i> feature: finds the MCU that best matches the features of another MCU in the portfolio</li><li>– Contextual documentation for any core, Series, and peripheral MCU filter</li></ul>



## Host PC system requirements

The ST-MCU-FINDER-PC application scope includes the complete portfolio of STM32 Arm<sup>®(a)</sup> Cortex<sup>®</sup>-M microcontrollers and boards.



### Supported operating systems and architectures

- Windows<sup>®</sup> 7: 32-bit (x86), 64-bit (x64)
- Windows<sup>®</sup> 8: 32-bit (x86), 64-bit (x64)
- Windows<sup>®</sup> 10: 32-bit (x86), 64-bit (x64)
- Linux<sup>®</sup>: 32-bit (x86), 64-bit (x64) (tested on Red Hat<sup>®(b)</sup>, Fedora<sup>®(c)</sup> and Ubuntu<sup>®(d)</sup>)  
Since ST MCUFinder is a 32-bit application, some versions of Linux<sup>®</sup> 64-bit distributions require to install 32-bit compliant packages such as *ia32-libs*.
- macOS<sup>®</sup> (tested on OS X<sup>®</sup> El Capitan and Sierra)<sup>(e)</sup>

### Memory prerequisites

- Recommended minimum RAM: 2 Gbytes

### Software requirements

The following software must be installed:

- For Windows<sup>®</sup> and Linux<sup>®</sup>, install Java<sup>™</sup> Run Time Environment<sup>(f)</sup> from 1.7.0\_45 to 1.8.x  
If Java<sup>™</sup> is not installed on the computer or if only an old version is installed, the ST MCUFinder installer opens the Java<sup>™</sup> download web page and stops.
- For macOS<sup>®</sup>, install Java<sup>™</sup> Development Kit 1.7.0\_45 to 1.8.x

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  - b. Red Hat is a registered trademark of Red Hat, Inc.
  - c. Fedora<sup>®</sup> is a trademark of Red Hat, Inc.
  - d. Ubuntu is a registered trademark of Canonical Ltd.
  - e. macOS<sup>®</sup> is a trademark of Apple Inc., registered in the U.S. and other countries.  
OS X<sup>®</sup> is a trademark of Apple Inc., registered in the U.S. and other countries.
  - f. Java is a registered trademark of Oracle and/or its affiliates.

## Installing ST MCUFinder

### Installing ST MCUFinder desktop version

To install ST MCUFinder, follow the sequence below:

1. Download the ST MCUFinder installation package from the ST-MCU-FINDER-PC page at [www.st.com](http://www.st.com)
2. Extract (unzip) the whole *en.st-mcu-finder-pc.zip* package into the same directory
3. Check access rights and launch the installation wizard:
  - On Windows®:
    - a) Make sure administrators rights are granted
    - b) Double-click the *SetupSTMCUFinder-VERSION.exe* file to launch the installation wizard
  - On Linux®:
    - a) Make sure access rights to the target installation directory are granted. 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-VERSION.linux* file.
  - On macOS®:
    - a) Make sure administrators rights are granted
    - b) Double-click *SetupSTMCUFinder-VERSION.app* application file to launch the installation wizard

In case of error, launch the *exe* file with the following command:

```
sudo java -jar SetupST MCUFinder-VERSION.exe
```
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
5. Delete the content of the *zip* from the disk

**Note:** *If the proper version of the Java™ Runtime Environment (1.7.0\_45 to 1.8.x) 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 (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, run Windows Command Prompt as administrator and type the following command:

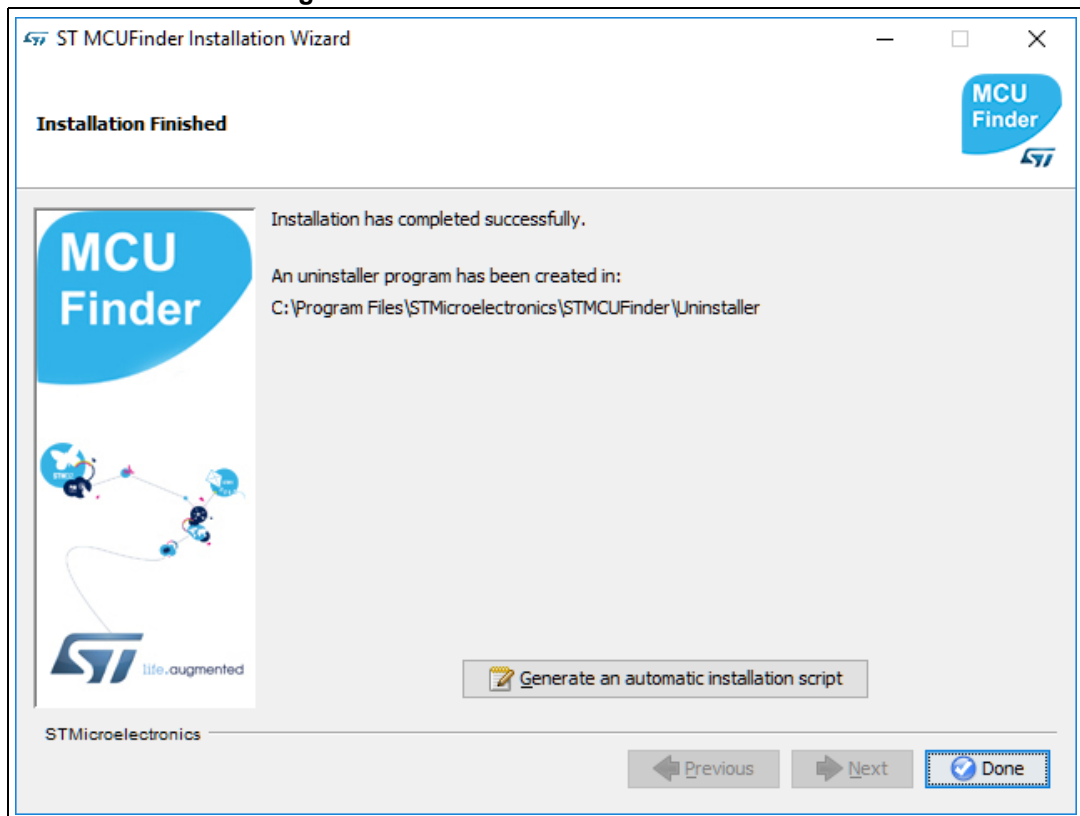
```
java -jar SetupSTMCFinder-VERSION.exe -console
```

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 (refer to [Figure 1](#)):

**Figure 1. ST MCUFinder Installation Wizard**



To launch the installation, just type the following command:

```
java -jar SetupSTMCFinder-VERSION.exe auto-install.xml
```

## Uninstalling ST MCUFinder

### Uninstalling ST MCUFinder on macOS®

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

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

### Uninstalling ST MCUFinder on Linux®

There are two different ways to uninstall ST MCUFinder on Linux®:

- By using the following command line

```
java -jar <STM32MCUFinder installation path>/Uninstaller/uninstaller.jar.
```

- Through a file explorer window:
  - a) Use a file explorer
  - b) Go to the *Uninstaller* directory of ST MCUFinder installation
  - c) Double-click the *start uninstall* desktop shortcut

### 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*

## 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: – Updated <a href="#">Introduction</a> and <a href="#">Table 1</a> . – Updated <a href="#">Installing ST MCUFinder desktop version</a> .
4-Dec-2018	3	Revised entire document for version 3.0.0: – Added <a href="#">Memory prerequisites</a> – Updated <a href="#">Table 1</a> , <a href="#">Installing ST MCUFinder desktop version</a> , <a href="#">Installing ST MCUFinder from the command line</a> , and <a href="#">Uninstalling ST MCUFinder</a>

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