

### Document information

| Information | Content                                                                                                                                                       |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Keywords    | MCUXpresso Config Tools                                                                                                                                       |
| Abstract    | MCUXpresso Configuration Tools set is a suite of evaluation and configuration tools that help you from initial evaluation to production software development. |



## 1 Introduction

MCUXpresso Config Tools are a suite of evaluation and configuration tools that help guide users from first evaluation to production software development. This document describes how to install the MCUXpresso Config Tools software. The software is available as an online version (using a web browser) and also as a desktop application installed on the host machine. The MCUXpresso Config Tools are used for board level configuration and code-generation, including pin routing with electrical and functional property settings, clock input/output setup with graphical diagram views, and peripheral initialization with parameter validation and quick start selections.

The MCUXpresso Config Tools are for general use and aim to help hardware designers, software engineers, embedded engineers, and field application engineers (FAEs).

The MCUXpresso Config Tools support:

- Graphical views to create and change pins, clocks, and peripherals configuration
- Creation of C source code for device initialization that can be used in any IDE
- Package view with all pins and routable peripherals
- View of routed pins
- Registers with initialization values
- Clock diagram view with highlighted clock paths
- Update existing IDE projects with generated C source code from pins, clocks, and peripherals

**Note:** If macOS is set to Traditional Chinese, MCUXpresso Config Tools starts in English and not Chinese. This is intended.

## 2 Recommended system requirements

The following lists the minimum system requirements to install and run the software:

- One of the following graphical operating systems:
  - Microsoft Windows 11 (64-bit version)
  - Ubuntu 24.04 LTS

**Note:** Linux-hosted variants of the tools are distributed on Linux as 64-bit binaries, which may not work on 32-bit systems.

  - Supported desktop environments: GNOME
  - macOS X operating system (macOS Monterey 12 or later).
- 8 GB RAM or more
- Display with resolution 1366 x 768 or more
- Internet connection for dynamic download from processor database

## 3 Supported processors

The tool goes with limited data and the supported devices. You can download the additional supported devices later. It requires an Internet connection to get the data for the supported processors.

## 4 Limitations

Refer to *MCUXpresso Configuration Tools Release Notes* [document MCUXCTR](#)N for limitations.

## 5 Installation

For the desktop setup executable, there is an installer available at <https://mcuxpresso.nxp.com>.

The installer file is about 290 MB in size and includes all the files required for the setup and does not need a connection to the Internet during installation. You can use this method for slow network connections or for installing the software on multiple machines.

Missing device information files are downloaded from the Internet when loading a configuration into the tool.

### 5.1 Installing on Windows

A setup binary is available for Microsoft Windows:

- 64-bit version: Contains “x64” in the installer executable name.

Running a non-matching executable for a given host system, for example a 64-bit setup on a 32-bit system, will give an error message dialog.

To install MCUXpresso Config Tools as a desktop application on a local host:

1. Run the `MCUXpresso_Config_Tools_<version>_<architecture>.exe`.  
The **MCUXpresso Config Tools Setup** wizard initiates.
2. Select the language in which you want to run the installer.

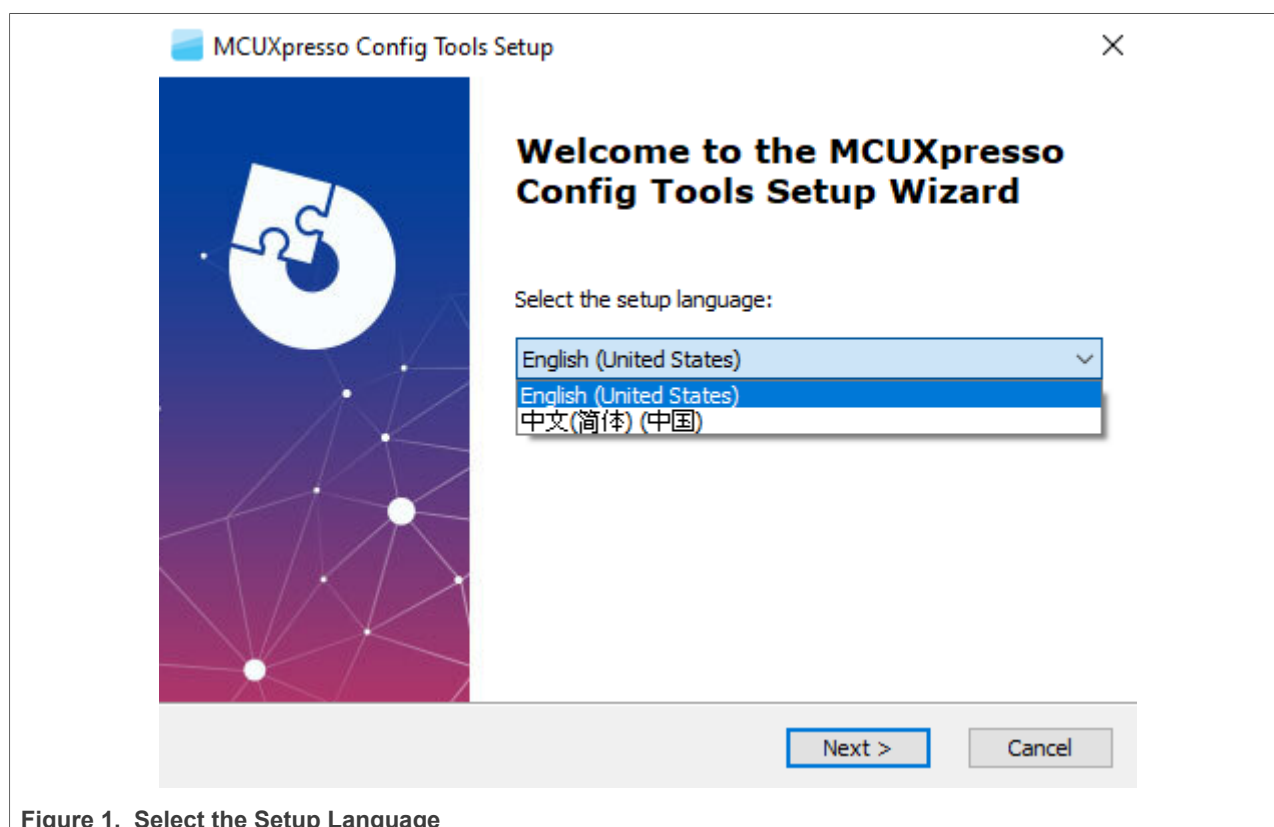


Figure 1. Select the Setup Language

3. Click **Next**.
4. On the next page, click **Next**.
5. On the **End-User License Agreement** page of the wizard, select **I accept the terms of the License Agreement**.

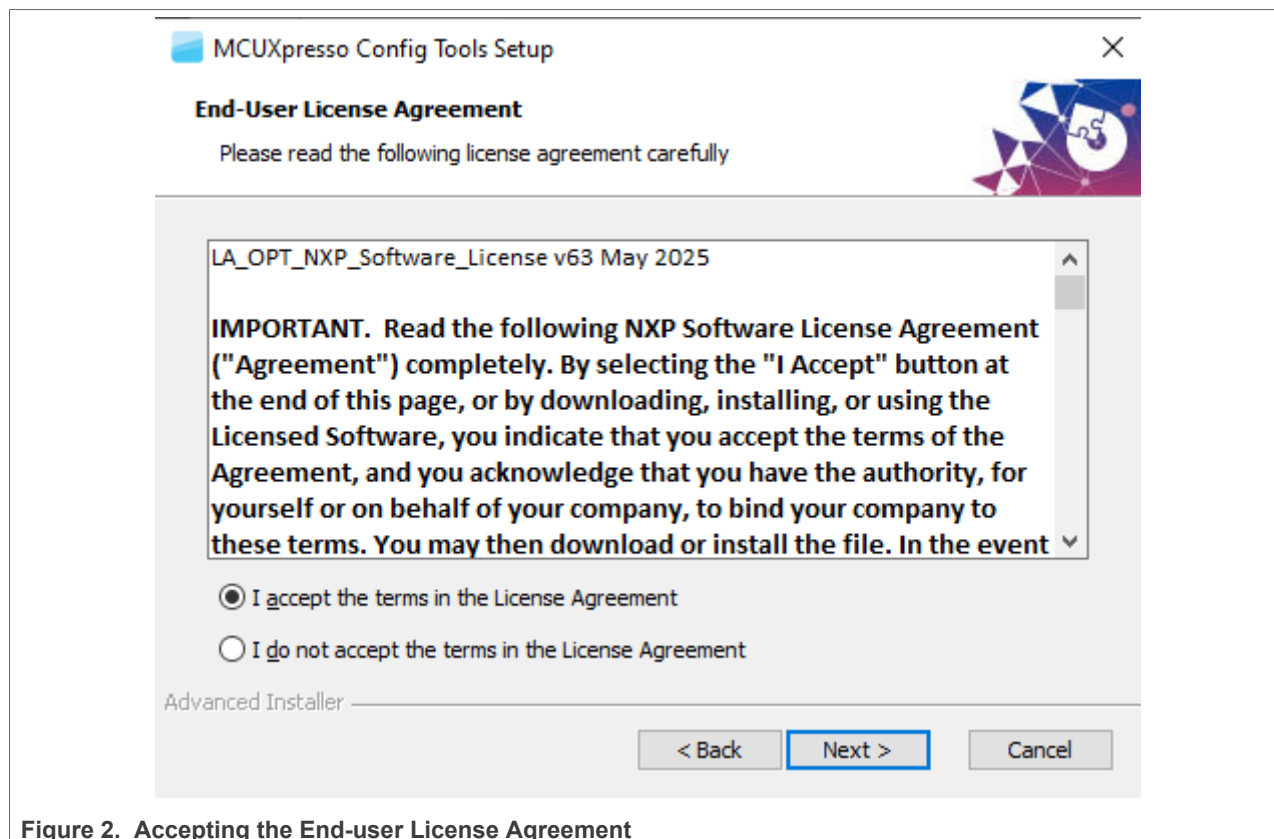


Figure 2. Accepting the End-user License Agreement

6. Click **Next**.
7. On the **Select Installation Folder** page of the wizard, select **Browse** and navigate to a destination folder you want the MCUXpresso Config Tools to install to.

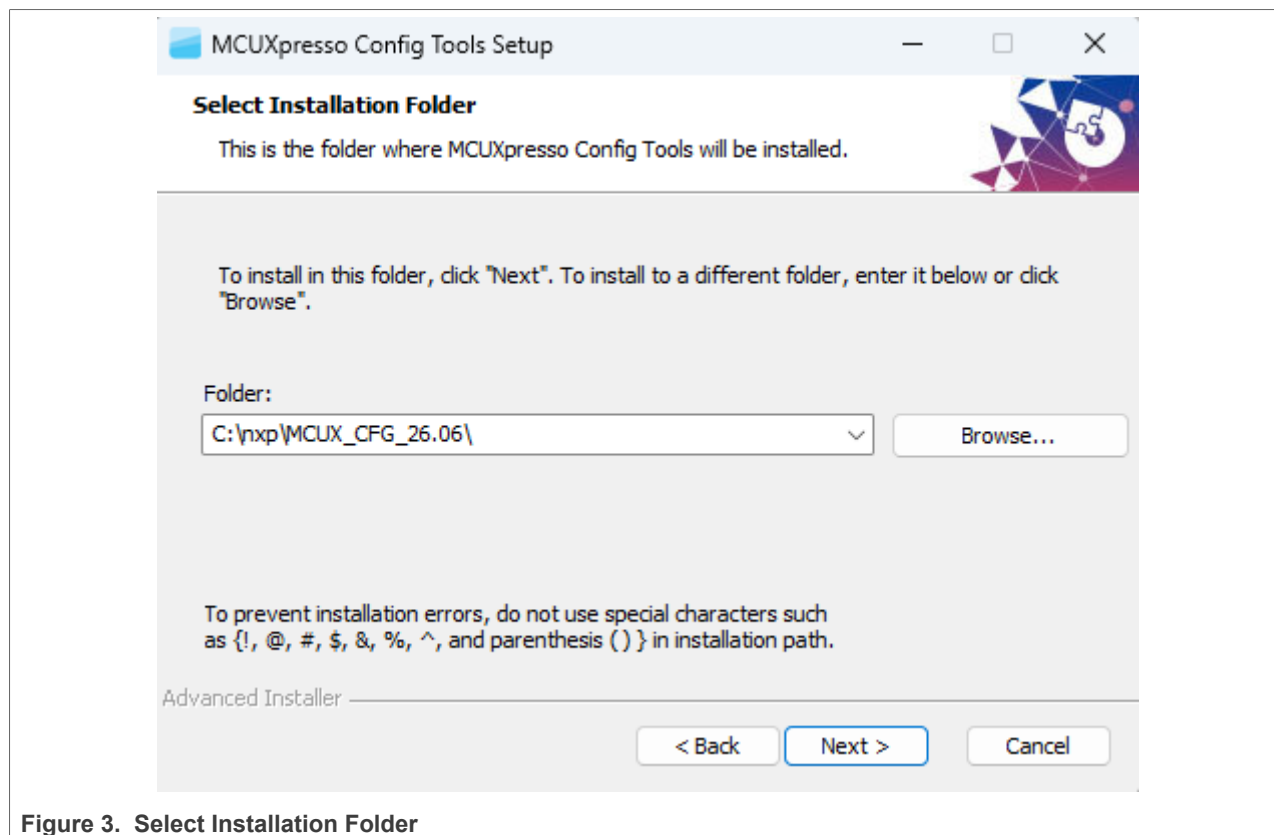


Figure 3. Select Installation Folder

8. Click **Next**.
9. On the **Configure Shortcuts** page of the wizard, select the shortcuts you want to be created for MCUXpresso Config Tools.

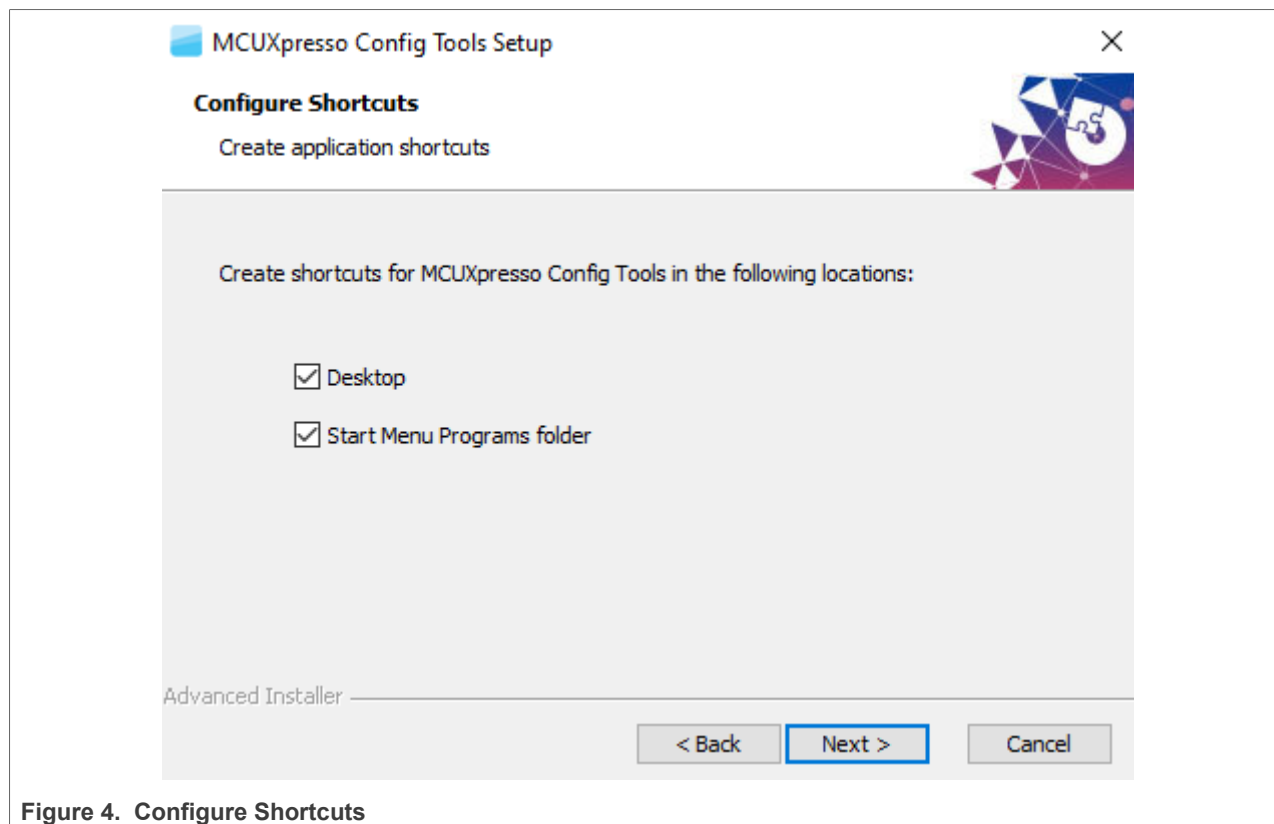


Figure 4. Configure Shortcuts

10. Click **Next**.
11. On the **Ready to Install** page of the wizard, select **Install**.

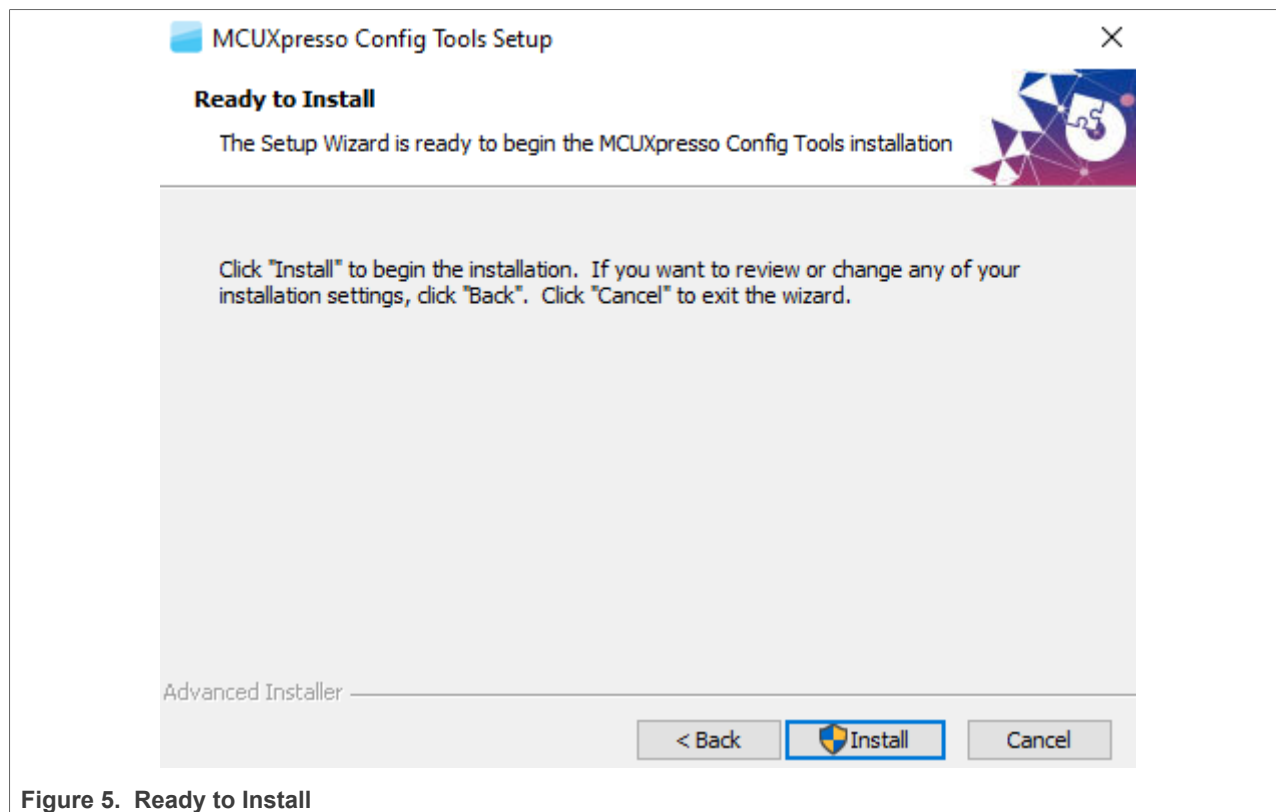


Figure 5. Ready to Install

The setup will begin the installation.

**Note:** If you want to review or change any of your installation settings, click **Back**. Click **Cancel** to exit the wizard.

The installer prompts you when the installation completes.

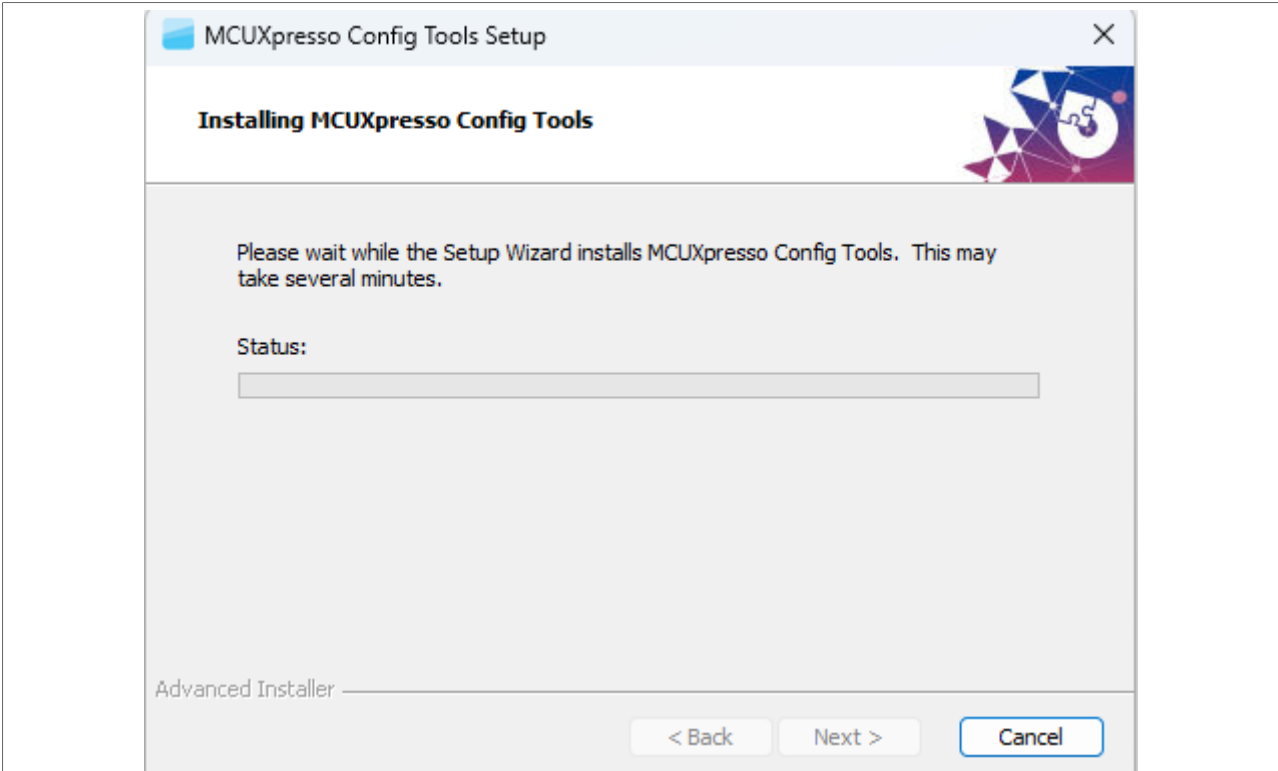


Figure 6. Installing MCUXpresso Config Tools

12. Click **Finish** to close and exit the setup wizard.

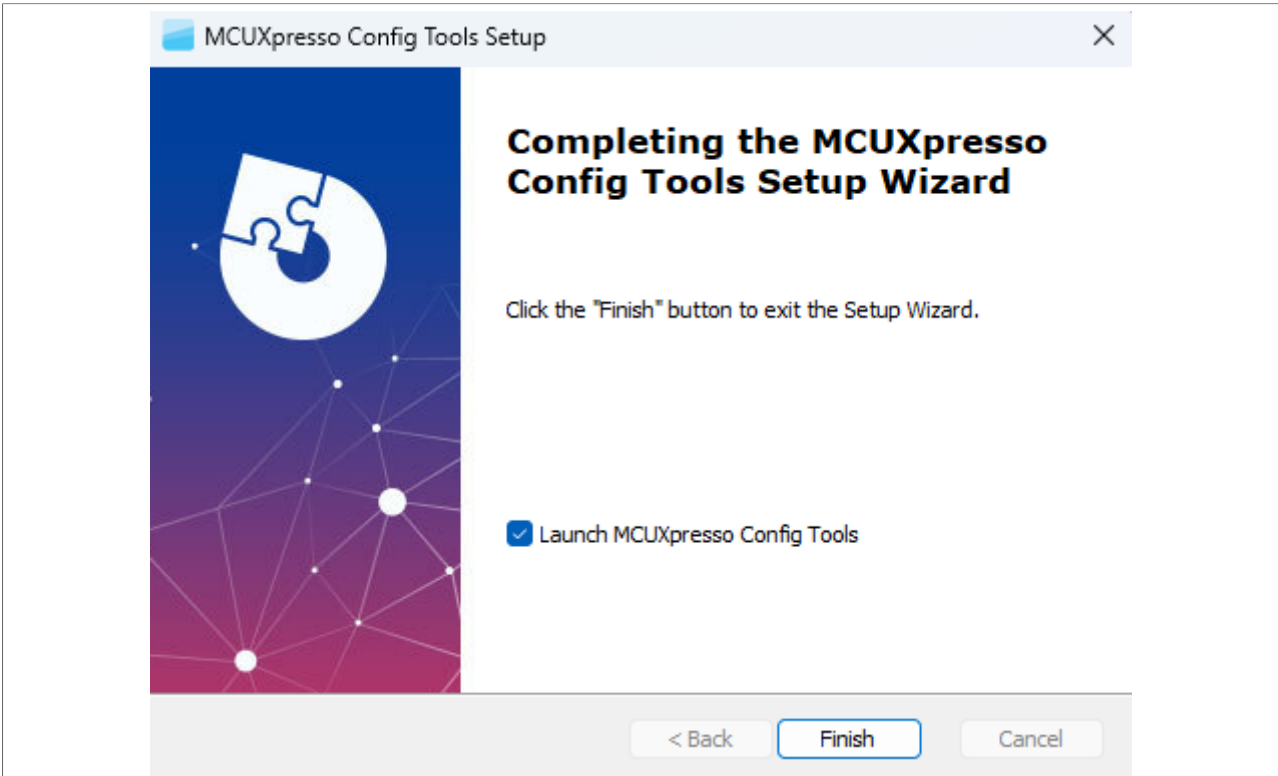


Figure 7. Complete installation

13. To start using the MCUXpresso Config Tools, run the tool from the shortcut on the desktop or from the **Start** menu. You can also navigate to the product installation folder\bin\folder and launch the tools.exe or launch the shortcut in the product installation folder.

## 5.2 Installing on Mac

To install MCUXpresso Config Tools as a desktop application on a local host:

1. Click the MCUXpresso\_Config\_Tools\_<version>\_<architecture>.pkg.  
The **Install MCUXpresso Config Tools** setup initiates and the **Introduction** page appears.  
**Note:** You may receive an error when trying to open the MacOS installer. To avoid it, manually select the option **Mac App Store and identified developers** from the **Security & Privacy** menu.

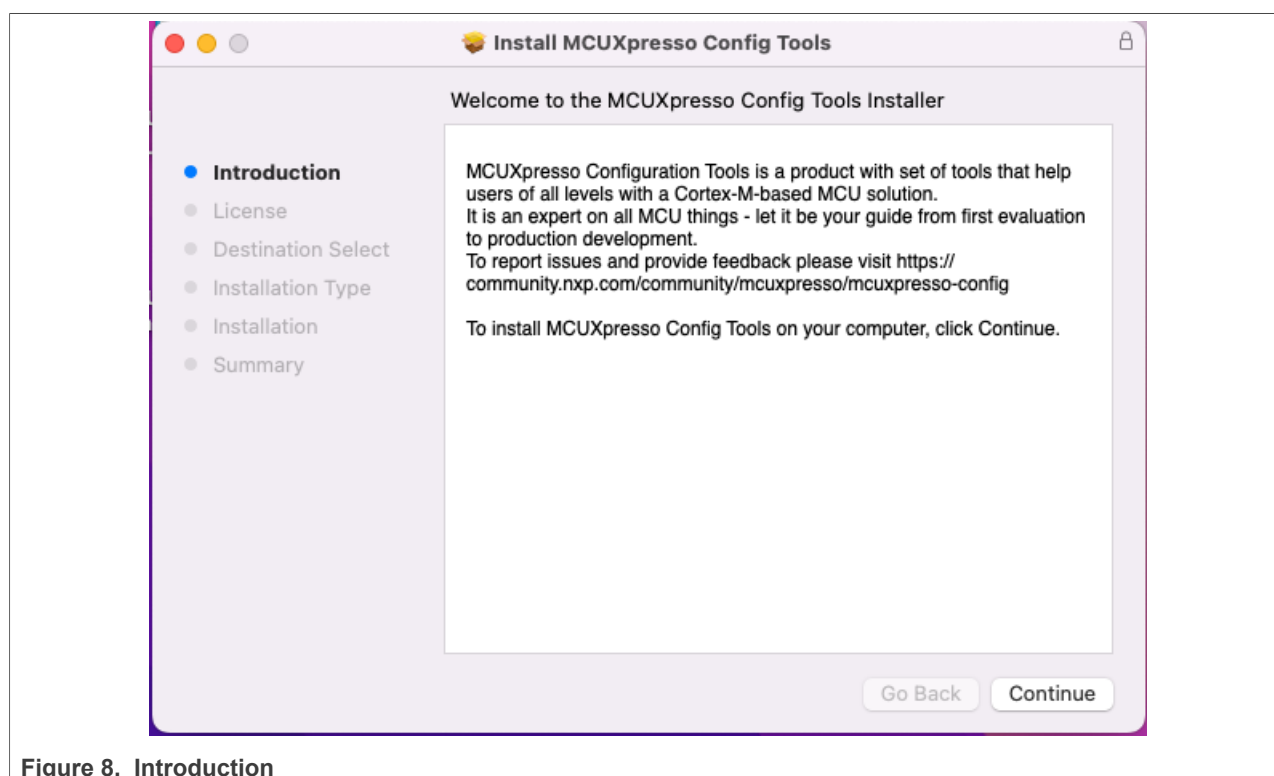


Figure 8. Introduction

2. Click **Continue**.  
The **License** page appears.

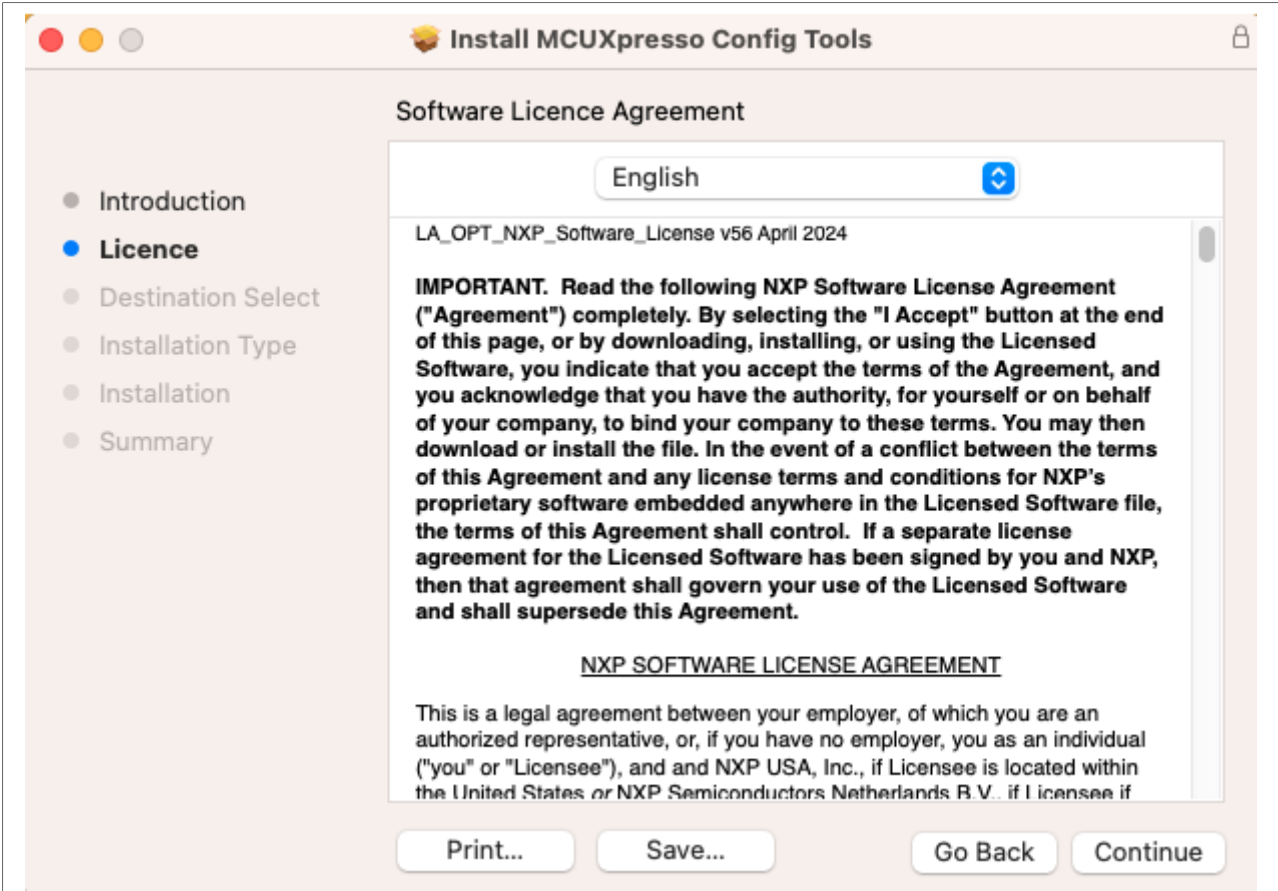


Figure 9. License

**Note:** To install MCUXpresso Config Tools, agree to the terms of the software license agreement.

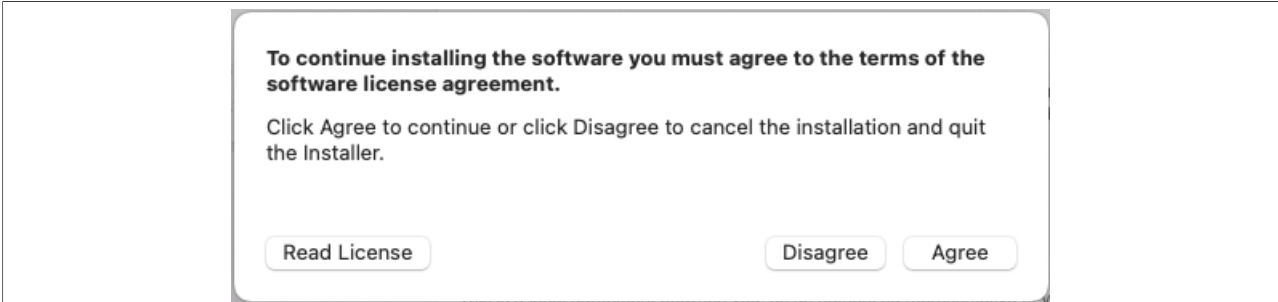


Figure 10. Software license agreement

- 3. Click **Continue**.  
The **Installation Type** page appears.

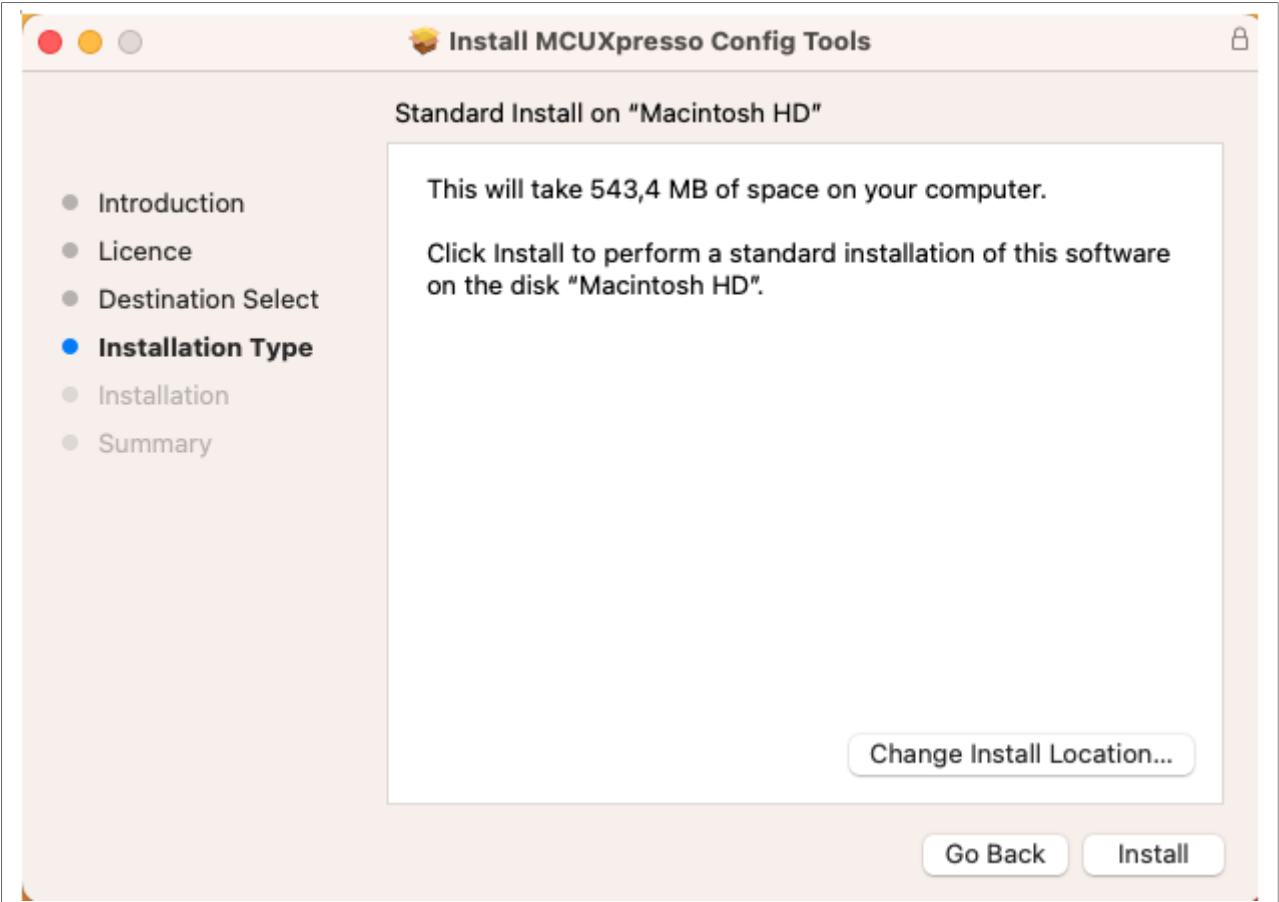


Figure 11. Installation Type

- 4. Click **Install**.  
The **Installation** page appears.
- 5. Type in your login credentials to continue with the installation.
- 6. Click **Install Software**.

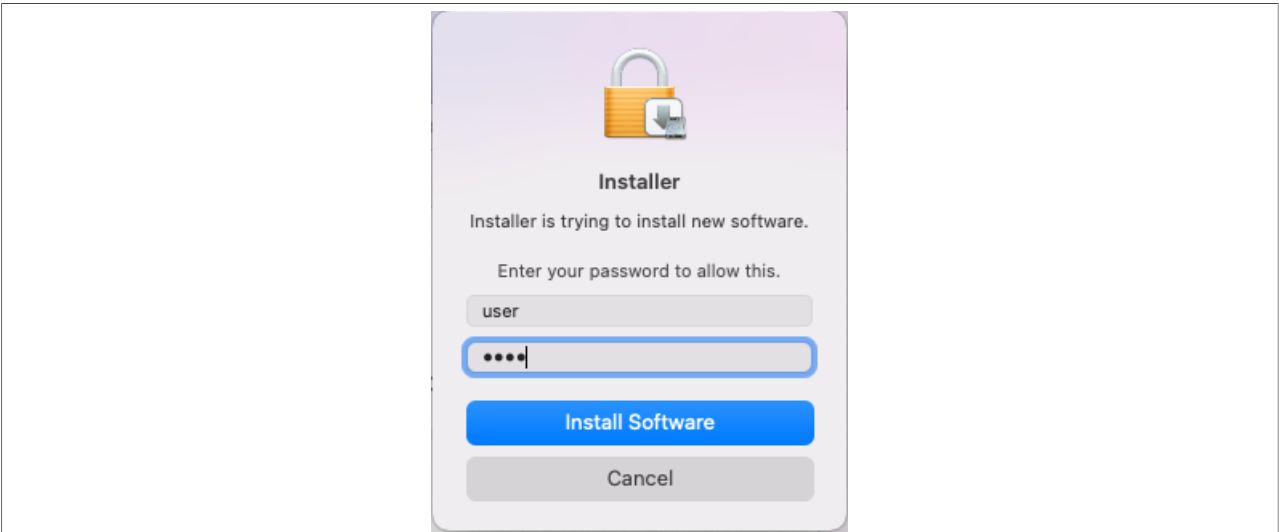
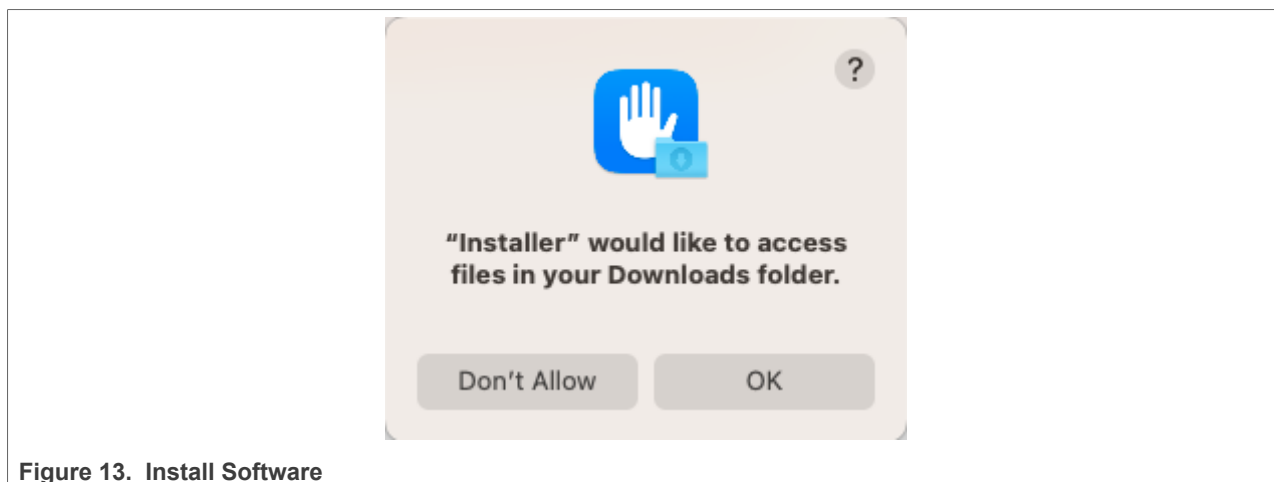
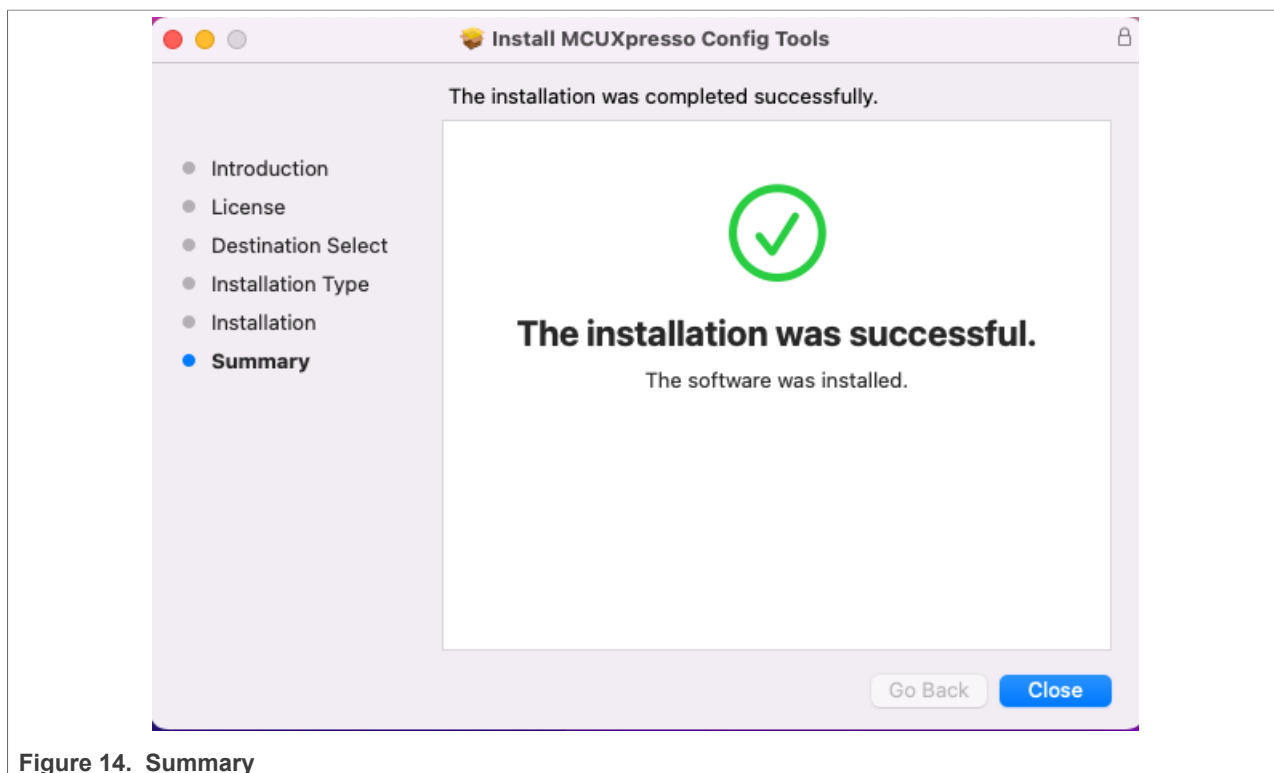


Figure 12. Install Software



7. Click **Continue**.

The **Summary** page prompts that the installation was successfully completed.



8. Click **Close** to exit the installation wizard.

## 5.3 Installing on Linux

This section provides the details of installation of MCUXpresso Configuration Tools on Linux.

### 5.3.1 Installing using command line

```
chmod +x ./<name><version>-<pkg_revision><architecture>.deb.bin
$ sudo ./<name>_<version>-<pkg_revision>_<architecture>.deb.bin
```

```
(Reading database ... .. files and directories currently installed .)
Preparing to replace <name> <version> (using
<name>_<version>-<pkg_revision>_<architecture>.deb) ...
Unpacking replacement <name> ...
Setting up <name> (<version>) ...
```

This installs the tools to the default location (/opt/nxp/<default\_path>).

5.3.2 Uninstalling using command line

In the Terminal, you can get the list of MCUX Config Tools with the package names.

```
dpkg --get-frontend "mcuxpresso-config-tools*"
Desired=Unknown/Install/Remove/Purge/Hold
| Status=Not/Inst/Conf-files/Unpacked/halF-conf/Half-inst/trig-aWait/Trig-pend
|/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)
||/ Name Version Architecture Description
+++-=====
=====
ii mcuxpresso-config-tools-v16 16.0 amd64 MCUXpresso Config
Tools
```

Now, the desired version can be uninstalled:

```
sudo dpkg -r mcuxpresso-config-tools-v16
```

6 Note about the source code in the document

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## 7 Revision history

Table 1. Revision history

| Document ID    | Release date      | Description                            |
|----------------|-------------------|----------------------------------------|
| KEXTIUG v.17.0 | 17 September 2026 | Updated for v.26.09                    |
| KEXTIUG v.16.0 | 24 June 2026      | Updated for v.26.06                    |
| KEXTIUG v.15.0 | 25 March 2026     | Updated for v.26.03                    |
| KEXTIUG v.14.0 | 16 December 2025  | Updated for v.25.12                    |
| KEXTIUG v.13.0 | 18 September 2025 | Updated for v.25.09                    |
| KEXTIUG v.12.0 | 20 June 2025      | Updated for v.25.06                    |
| KEXTIUG v.11.0 | 17 March 2025     | Updated for v.25.03                    |
| KEXTIUG v.10.0 | 15 January 2025   | Updated for v.24.12                    |
| KEXTIUG v.9.0  | 24 September 2024 | Updated for v.16.1                     |
| KEXTIUG v.8.0  | 1 July 2024       | Updated for v.16                       |
| KEXTIUG v.7.0  | 19 April 2024     | Updated for v.15.1                     |
| KEXTIUG v.6.0  | 10 January 2024   | Updated for v.15                       |
| KEXTIUG v.5.0  | 31 July 2023      | Updated for v.14                       |
| KEXTIUG v.4.0  | 2 January 2023    | Screenshots are updated, minor updates |
| KEXTIUG v.3.0  | 20 September 2022 | Updated for v.12.1                     |
| KEXTIUG v.2.0  | 30 June 2022      | Updated for v.12                       |
| KEXTIUG v.1.0  | 22 December 2021  | Screenshots are updated.               |
| KEXTIUG v.0    | 23 June 2021      | Initial version                        |

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