

# Altair® Flux® & Altair® FluxMotor® 2026

# Installation Guide

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Visit Customer Support to learn more about our support offerings.

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This installation guide provides instructions for the Altair Flux & FluxMotor 2026 installation on supported platforms.

This installation includes the following Altair HyperWorks 2026 applications:

- Altair Flux
- Altair FluxMotor

where each application makes use of the Altair Units (AUs) licensing system.

The Altair Units licensing allows the Altair License Management (ALM) system to be used if ALM is installed and properly configured. The Altair License Management licensing allows the flexibility to use other Altair HyperWorks 2026 applications.

In order to run Altair HyperWorks 2026 applications, you need to connect the applications to the Altair License Management System 2026 (or higher, using the latest version is recommended). Details of the installation and how to start the Altair License Manager can be found in the *Altair License Management System 2026 Installation Guide*. The license packages are available on Altair Connect or Altair One Marketplace.

# **System Requirements**

Before you install Altair Flux & FluxMotor 2026, we recommend that you verify that your computer meets or exceeds the minimum system requirements.

This chapter covers the following:

- 2.1 Supported Operating Systems (p. 12)
- 2.2 Required Hardware Configuration (p. 13)

# 2.1 Supported Operating Systems

This section presents the operating systems supported by Altair Flux & FluxMotor 2026.

#### **Windows**

The Altair Flux & FluxMotor installation is for 64-bit Microsoft Windows.

The supported Windows version is:

• Windows 11

#### Linux

The Altair Flux workstation installation is for 64-bit Linux workstation platforms.

The supported Linux version is:

Red Hat Enterprise Linux 9.4 / CIQ Rocky Linux 9.4



**Note:** Altair FluxMotor is only supported on Windows operating system.

#### **Support**

For all the operating systems mentioned above, Altair provides full technical support.

For all the other ones, Altair will give no guarantee regarding the providing of technical support.



# 2.2 Required Hardware Configuration

This section presents the hardware configurations required for Altair Flux 2D and Skew & FluxMotor 2026.

#### **Processor**

The processors required to run Altair Flux 2D and Skew & FluxMotor should have the following characteristics:

Element	Characteristics
Processor	<ul><li>Intel or AMD</li><li>64 bits</li><li>multi-core</li></ul>

#### Minimum configuration (hard disk and RAM)

The minimum configuration required to run Altair Flux 2D and Skew & FluxMotor are:

	Flux 2D & FluxMotor	Flux Skew
Hard disk	250 GiB	500 GiB
RAM	8 GiB	16 GiB

#### Recommended configuration (hard disk and RAM)

The recommended configuration required to run Altair Flux 2D and Skew & FluxMotor are:

	Flux 2D & FluxMotor	Flux Skew
Hard disk	500 GiB	1 TiB
RAM	16 GiB	64 GiB



#### **Graphic card for Altair Flux**

The graphic cards required to run Altair Flux 2D and Skew should have the following characteristics:

Element	Characteristics
Graphic card	<ul> <li>OPENGL V2.0 compatible for an optimal graphic quality (see below)</li> <li>NVIDIA chipset recommended</li> </ul>

Altair Flux uses the OPENGL V2.0 graphic technology. This technology provides improved rendering and smoother motion when moving objects.

This technology requires:

- the use of a graphic card compatible with OPENGL V2.0
- the latest version of the graphic card driver supplied by the manufacturer

A summary of the conditions of use is presented in the table below:

#### **Conditions of use**

Installation of a graphic card compatible with OPENGL V2.0:

- NVIDIA GeForce 6200 and higher
- ATI Radeon X1300 and higher

Installation of the latest version of the card driver

- For NVIDIA: http://www.nvidia.com/page/home.html
- For ATI: http://amd.com
  - **Warning:** The use of graphic chipsets with shared memory is not recommended. It is preferable to use graphic chipsets with dedicated memory.



This chapter deals with the installation on Windows of Altair Flux & FluxMotor 2026.

This chapter covers the following:

- 3.1 Introduction (p. 16)
- 3.2 Installation Modes (p. 17)
- 3.3 GUI Mode (p. 18)
- 3.4 Silent Mode (p. 26)

### 3.1 Introduction

Each version (major and minor) is a completely independent version. It is installed by default in its own directory and is able to coexist with the older versions.

The software installation runs automatically.

#### **Installed components**

The automatic installation installs the following components:

- For Altair Flux:
  - The Altair Flux Version 2026 software
  - The Altair Flux Version 2026 documentation and examples:
    - · the documentation in English version: installation guide and user guide,
    - · the documentation in French version: user guide,
    - the examples: tutorials and technical papers (in English version only), with the corresponding Flux projects and/or command files.
- For Altair FluxMotor:
  - The Altair FluxMotor Version 2026 software

#### **Installation directories**

These components are installed:

- by default:
  - with a user account: in the directory C:\Users\<username>\Altair\2026
  - with an administrator account: in the directory C:\Program Files\Altair\2026
- or in any other directory specified by the user during the installation.



Warning: The full installation directory path must not include any special characters.

Non-ASCII characters are not allowed in the path name while creating the folder in which FluxMotor is installed.

Failure to comply with this instruction may cause the software to malfunction.

In the chosen installation directory:

- For Altair Flux:
  - The Altair Flux 2026 software is installed in the sub-directory flux.
  - The Altair Flux 2026 documentation and examples are installed in the sub-directory flux\Flux\DocExamples.
- For Altair FluxMotor:
  - The Altair FluxMotor 2026 software is installed in the sub-directory fluxmotor.



## 3.2 Installation Modes

#### **Different modes**

Install Altair Flux & FluxMotor 2026 on a machine using either graphical user interface (GUI) mode or silent mode.

The choice of installation modes allows for flexibility in selecting the installation mode that best suits your needs and environment.

#### **GUI** mode

The graphical user interface (GUI) mode installation is in the form of a GUI wizard with step-by-step instructions.

#### Silent mode

A silent mode installation installs Altair Flux & FluxMotor 2026 without requiring any user interaction. The installer makes use of a response file that contains the installation options to run the installation from start to end without any user input.



## 3.3 GUI Mode

In order to install Altair Flux & FluxMotor Version 2026, follow these instructions:

- 1. Close all the applications in use
- **2.** Download the Altair Flux & FluxMotor 2026 installer: hwFluxFluxMotor2026\_win64.exe from the Altair One site: https://altairone.com/

And save it locally

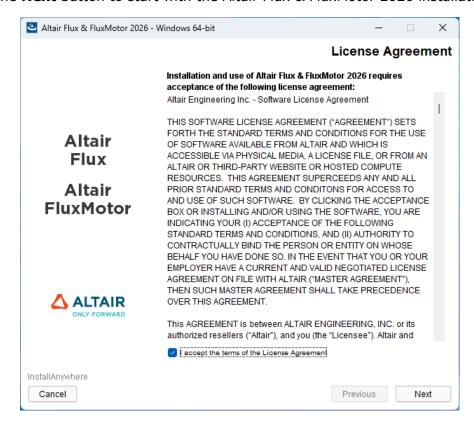
- 3. Run the executable file hwFluxFluxMotor2026\_win64.exe
- Select a language
  - Click on the **OK** button





#### 5. In the Altair Flux & FluxMotor 2026 - Windows 64-bit window (License Agreement panel):

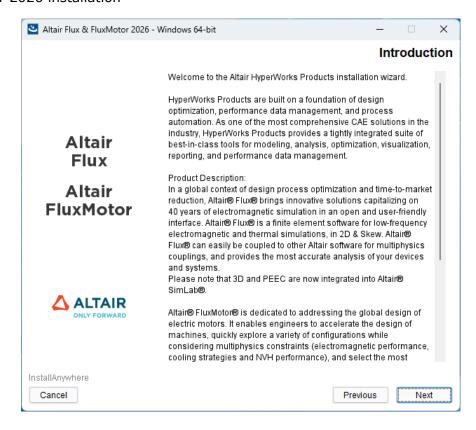
- Read through the license agreement and if you accept the terms of the License Agreement, then check the I accept the terms of the License Agreement box
- Click on the Next button to start with the Altair Flux & FluxMotor 2026 installation





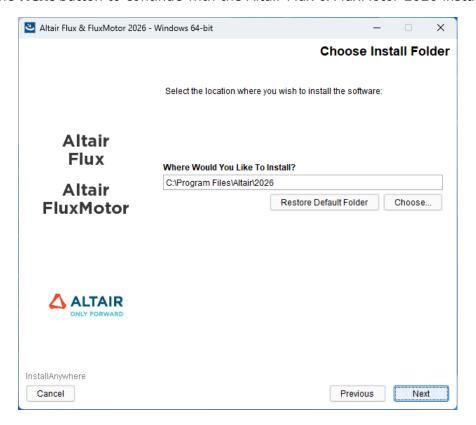
#### 6. In the next Altair Flux & FluxMotor 2026 - Windows 64-bit window (Introduction panel):

 Read the introduction and click on the **Next** button to continue with the Altair Flux & FluxMotor 2026 installation





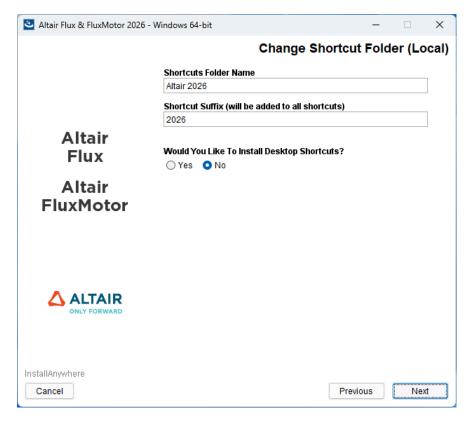
- 7. In the next Altair Flux & FluxMotor 2026 Windows 64-bit window (Choose Install Folder panel):
  - Choose an installation directory:
    - By default:
      - with a user account: the installation directory is C:\Users\<username>\Altair\2026
      - with an administrator account: the installation directory is C:\Program Files \Altair\2026
    - You can specify another installation directory, however, make sure that the full directory path does not include any special characters, then click on the **Choose** button
  - Click on the Next button to continue with the Altair Flux & FluxMotor 2026 installation





# 8. In the next Altair Flux & FluxMotor 2026 – Windows 64-bit window (Change Shortcut Folder (Local) panel):

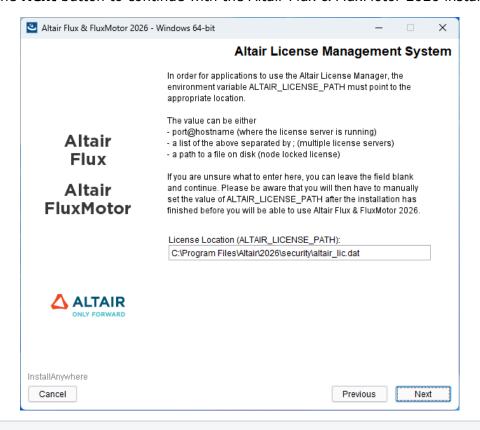
- Specify the folder name that will contain the start menu shortcuts.
- Specify the suffix string to be added to the shortcuts (Optional).
- Select one of the following options:
  - Yes if you want to add the Altair Flux & FluxMotor shortcuts on the desktop
  - No if you do not want to add the Altair Flux & FluxMotor shortcuts on the desktop
- Click on the Next button to continue with the Altair Flux & FluxMotor 2026 installation





# 9. In the next Altair Flux & FluxMotor 2026 – Windows 64-bit window (Altair License Management System panel):

- Enter the license location:
  - If you have a network license, then enter port@hostname
     where port is the TCP/IP port number used by the license server and hostname is the name of the license server computer
  - If you have a local license (standalone license), then enter the full pathname of the license file
- Click on the Next button to continue with the Altair Flux & FluxMotor 2026 installation

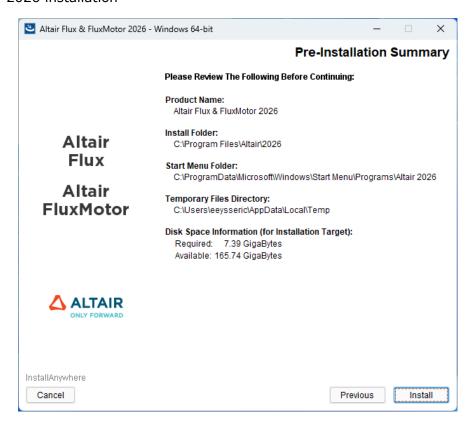


**Note:** This window is only displayed if the license has not yet been configured.



# 10. In the next Altair Flux & FluxMotor 2026 – Windows 64-bit window (Pre-Installation Summary panel):

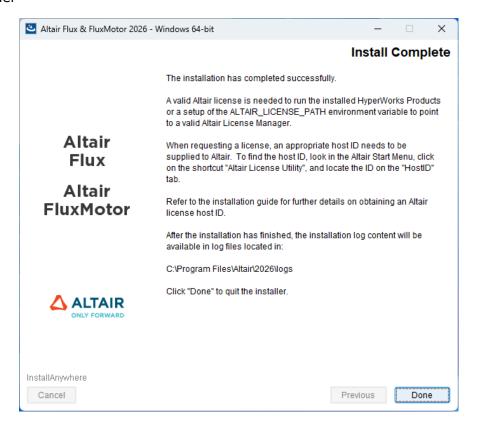
 Review the installation details and click on the **Install** button to start the Altair Flux & FluxMotor 2026 installation





# **11.** In the last **Altair Flux & FluxMotor 2026 – Windows 64-bit** window (**Install Complete** panel):

Click on the **Done** button to complete the Altair Flux & FluxMotor 2026 installation and exit
the installer





## 3.4 Silent Mode

#### Introduction

A silent mode installation installs Altair Flux & FluxMotor 2026 without requiring any user interaction. The installer makes use of a response file that contains the installation options to run the installation from start to end without any user input.

#### Silent Mode

**1.** Create a response file. Run the installer in interactive mode with the r option to save the installation properties to a response file.

```
[INSTALLER NAME] -r "[RESPONSE PATH]\installer.properties"
```

- **2.** Trigger a silent mode installation from the command line using one of the following options:
  - Use the default property values as provided by the installer package.

```
[INSTALLER NAME] -i silent -DACCEPT EULA=YES
```



#### **Important:**

- Setting -DACCEPT\_EULA=YES means that you accept the terms of the License Agreement and allows you to proceed with Altair Flux & FluxMotor installation
- If nothing is specified for *ACCEPT\_EULA* variable or if <code>-DACCEPT\_EULA=NO</code> then Altair Flux & FluxMotor will not be installed
- Specify properties.

```
[INSTALLER_NAME] -i silent -D[Property]=[VALUE]
```

For example:

```
-DACCEPT_EULA=YES -DUSER_INSTALL_DIR=C:\\Program Files\\Altair\\2026
```

Use a response file containing properties.

```
[INSTALLER_NAME] -i silent -f "[RESPONSE_PATH]\installer.properties"
```



#### Note:

- [INSTALLER NAME] is the installer binary.
- [RESPONSE PATH] is the path where the response file resides.
- Use quotes around directory and pathnames that contain spaces.
- Do not use spaces between VARIABLE=VALUE statements in the response file.



# 3.4.1 Response Files

#Enter License Path Location

FLUX\_ALTAIR\_LICENSE\_PATH=6200@server.domain FLUXMOTOR ALTAIR LICENSE PATH=6200@server.domain

#### Introduction

A response file is an installer properties file used to provide properties for an installer running in silent mode. The files contain text in a simple *VARIABLE=VALUE* format.

#### **Response files**

The properties in the response files are captured by executing the installer and the captured variables are then used as default values for future silent installs. The installer automatically checks the same directory as the installer for a file called <code>installer.properties</code> to use as input to the installer.

```
An example of a response file containing properties:

#Accept License Agreement
#------
ACCEPT_EULA=YES
#Choose Install Folder
#-----
USER_INSTALL_DIR=C:\\Program Files\\Altair\\2026
#Change Shortcut Folder (Local)
#------
SET_START_MENU_FOLDER=Altair 2026
INSTALL_DESKTOP SHORTCUTS=0
```

**Note:** Spaces should not be used between *VARIABLE=VALUE* statements in the response file.



# **3.4.2 Response File Properties**

#### **General properties**

Variable	Definition
ACCEPT_EULA	<ul> <li>YES: You accept the terms of the License Agreement and it allows you to proceed with Altair Flux &amp; FluxMotor installation</li> <li>NO: You do not accept the terms of the License Agreement and Altair Flux &amp; FluxMotor will not be installed</li> </ul>
USER_INSTALL_DIR	The default install folder is C:\Program Files \Altair\2026
SET_START_MENU_FOLDER	Specify the name of the start menu folder
INSTALL_DESKTOP_SHORTCUTS	<ul><li>0: No shortcuts are created</li><li>1: Shortcuts are created</li></ul>



# Installation on Linux - Altair Flux only

4

This chapter deals with the installation on Linux of Altair Flux 2026.

This chapter covers the following:

- 4.1 Introduction (p. 30)
- 4.2 Installation Modes (p. 31)
- 4.3 GUI Mode (p. 32)
- 4.4 Console Mode (only supported on Linux) (p. 38)
- 4.5 Silent Mode (p. 39)

**Note:** Altair FluxMotor is only supported on Windows operating system.

## 4.1 Introduction

Each Altair Flux version (major and minor) is a completely independent version. It is installed by default in its own directory and is able to coexist with the older versions.

The software installation runs automatically.

#### **Installed components**

The automatic installation installs the following components:

- The Altair Flux Version 2026 software
- The Altair Flux Version 2026 documentation and examples:
  - the documentation in English version: installation guide and user guide,
  - the documentation in French version: user guide,
  - the examples: tutorials and technical papers (in English version only), with the corresponding Flux projects and/or command files.

**Warning:** The full installation directory path must not include any special characters.

#### **Installation directories**

These components are installed:

- by default:
  - with an unprivileged account: in the directory /home/<username>/2026
  - with the root account: in the directory /root/2026
- or in any other directory specified by the user during the installation.

In the chosen installation directory:

- The Altair Flux 2026 software is installed in the sub-directory altair/flux.
- The Altair Flux 2026 documentation and examples are installed in the sub-directory altair/flux/Flux/DocExamples.



## 4.2 Installation Modes

#### **Different modes**

Install Altair Flux 2026 on a machine using either graphical user interface (GUI) mode, console mode or silent mode.

The choice of installation modes allows for flexibility in selecting the installation mode that best suits your needs and environment.

#### **GUI** mode

The graphical user interface (GUI) mode installation is in the form of a GUI wizard with step-by-step instructions.

#### Console mode (only supported on Linux)

A console mode installation process mimics the default GUI wizard steps, but uses only the standard input and output. Console mode allows for text to be output to the console.

#### Silent mode

A silent mode installation installs Altair Flux 2026 without requiring any user interaction. The installer makes use of a response file that contains the installation options to run the installation from start to end without any user input.



# 4.3 GUI Mode

In order to install Altair Flux Version 2026, follow these instructions:

- 1. Close all the applications in use
- 2. Download the Altair Flux 2026 installer: hwFlux2026\_linux64.bin

from the Altair One site: https://altairone.com/

And save it locally

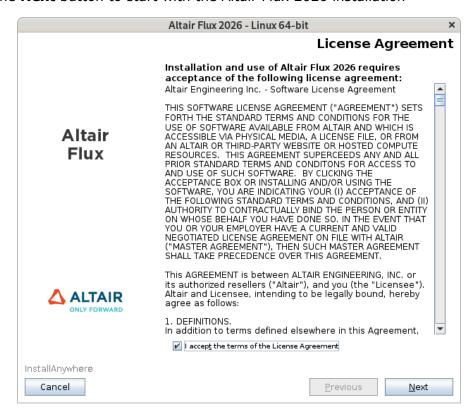
- 3. Execute the file hwFlux2026\_linux64.bin
- **4.** Select a language
  - Click on the **OK** button





#### 5. In the Altair Flux 2026 – Linux 64-bit window (License Agreement panel):

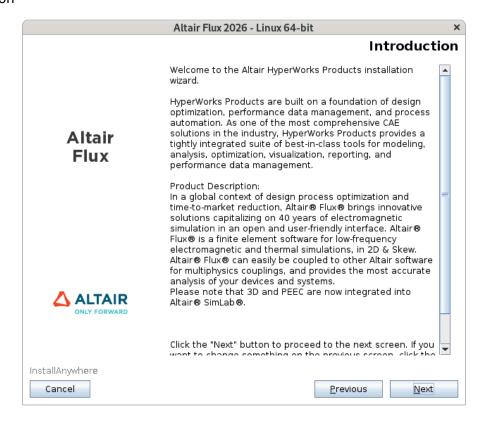
- Read through the license agreement and if you accept the terms of the License Agreement,
   then check the I accept the terms of the License Agreement box
- Click on the **Next** button to start with the Altair Flux 2026 installation





#### 6. In the next Altair Flux 2026 - Linux 64-bit window (Introduction panel):

 Read the introduction and click on the **Next** button to continue with the Altair Flux 2026 installation





#### 7. In the next Altair Flux 2026 - Linux 64-bit window (Choose Install Folder panel):

- Choose an installation directory:
  - By default:
    - with an unprivileged account: the installation directory is /home/<username>/2026
    - with the root account: the installation directory is /root/2026
  - You can specify another installation directory, however, make sure that the full directory path does not include any special characters, then click on the **Choose** button
- Click on the Next button to continue with the Altair Flux 2026 installation





#### 8. In the next Altair Flux 2026 - Linux 64-bit window (Pre-Installation Summary panel):

Review the installation details and click on the **Install** button to start the Altair Flux 2026 installation





#### 9. In the last Altair Flux 2026 - Linux 64-bit window (Install Complete panel):

Click on the **Done** button to complete the Altair Flux 2026 installation and exit the installer





# 4.4 Console Mode (only supported on Linux)

#### Introduction

A console mode installation process mimics the default GUI wizard steps, but uses only the standard input and output. Console mode allows for text to be output to the console.



#### Note:

- Installing Altair Flux using console mode is only supported on Linux.
- If the terminal does not have any GUI/X capabilities (such as a pure SSH terminal session), launching the installer without any additional options will automatically start the console mode.

#### Console mode

Trigger a console mode installer from the command line by appending the following command parameter to the installer:

-i console

#### **Procedure**

In order to use the console mode, open a command terminal:

- 1. Change directory to the location where the installer resides with the cd command
- **2.** Execute the sh command on the installer binary where <code>[INSTALLER\_NAME]</code> is the installer binary with the additional command parameter:

sh [INSTALLER\_NAME] -i console



## 4.5 Silent Mode

#### Introduction

A silent mode installation installs Altair Flux 2026 without requiring any user interaction. The installer makes use of a response file that contains the installation options to run the installation from start to end without any user input.

#### Silent Mode

**1.** Create a response file. Run the installer in interactive mode with the r option to save the installation properties to a response file.

```
[INSTALLER_NAME] -r "[RESPONSE_PATH]\installer.properties"
```

- 2. Trigger a silent mode installation from the command line using one of the following options:
  - Use the default property values as provided by the installer package.

```
[INSTALLER NAME] -i silent -DACCEPT EULA=YES
```



#### **Important:**

- Setting -DACCEPT\_EULA=YES means that you accept the terms of the License Agreement and allows you to proceed with Altair Flux installation
- If nothing is specified for ACCEPT\_EULA variable or if -DACCEPT\_EULA=NO then Altair Flux will not be installed
- Specify properties.

```
[INSTALLER_NAME] -i silent -D[Property] = [VALUE]
```

For example:

```
-DACCEPT_EULA=YES -DUSER_INSTALL_DIR=/home/<username>/2026/altair
```

Use a response file containing properties.

```
[INSTALLER_NAME] -i silent -f "[RESPONSE_PATH]\installer.properties"
```



#### Note:

- [INSTALLER NAME] is the installer binary.
- [RESPONSE PATH] is the path where the response file resides.
- Use quotes around directory and pathnames that contain spaces.
- Do not use spaces between VARIABLE=VALUE statements in the response file.



# 4.5.1 Response Files

#### Introduction

A response file is an installer properties file used to provide properties for an installer running in silent mode. The files contain text in a simple *VARIABLE=VALUE* format.

#### **Response files**

The properties in the response files are captured by executing the installer and the captured variables are then used as default values for future silent installs. The installer automatically checks the same directory as the installer for a file called <code>installer.properties</code> to use as input to the installer.

**Note:** Spaces should not be used between *VARIABLE=VALUE* statements in the response file.



# **4.5.2** Response File Properties

#### **General properties**

Variable	Definition
ACCEPT_EULA	<ul> <li>YES: You accept the terms of the License Agreement and it allows you to proceed with Altair Flux installation</li> <li>NO: You do not accept the terms of the License Agreement and Altair Flux will not be installed</li> </ul>
USER_INSTALL_DIR	The default install folder is /home/ <username>/2026/altair</username>
SET_START_MENU_FOLDER	Specify the name of the start menu folder
INSTALL_DESKTOP_SHORTCUTS	<ul><li>0: No shortcuts are created</li><li>1: Shortcuts are created</li></ul>



In order to uninstall Altair Flux & FluxMotor 2026, please refer to the Altair HyperWorks 2026 - Quick Installation Guide.



Note: This document can be found on our website: Altair One > Community, Training and Support > Community & Support > Documentation and then look for

- **Product** Filter: check the **HyperWorks** box
- Version Filter: check the 2026 box
- Guide Type Filter: check the Installation box