



## Setup Guide

Ver. 1.1.0 Nov. 2025



## Logging Foot Setup guide

### Revision History

Version	Date	Description
1.1.0.1	Nov. 2025	Initial release



## Contents

Setup Guide .....	1
1. Introduction .....	4
1.1. About Setup Program .....	4
1.2. About Unset up Program .....	4
1.3. Precautions for Use and Disclaimer .....	5
1.4. Copyright and License Terms .....	5
1.5. System Requirements .....	5
2. Setup .....	6
2.1. Setup by Launching the GUI .....	6
2.1.1. Using a Setup File .....	7
2.1.2. Performing Manual Setup .....	10
2.2. Launching Setup from Another Program .....	20
2.2.1. Example of Launching from Another Program .....	20
2.2.2. List of Return Codes .....	21
3. Unsetup .....	22
3.1. Unsetup by Launching the GUI .....	22
3.2. Launching Unsetup from Another Program .....	24
3.2.1. Example of Launching from Another Program .....	24
3.2.2. List of Return Codes .....	24
4. Redistribution to End Users .....	25
4.1. Procedure for Distribution to End Users .....	25
4.1.1. Installer .....	25
4.1.2. Uninstaller .....	25
4.2. Modules Required for Distribution to End Users .....	26
4.2.1. Viewer Application .....	26
4.2.2. Setup Program .....	26
4.2.3. Unsetup Program .....	27
4.2.4. Client Module .....	27
4.3. About the Installer Sample .....	27
4.3.1. <Important Notice> Notes on the Installer Sample .....	27
4.3.2. Development Environment for the Installer Sample .....	28
4.3.3. How to Use the Installer Sample .....	28



## 1. Introduction

Thank you very much for downloading Logging Foot (hereafter referred to as 'this software'). Please read this manual thoroughly before using the software.

This document is an English translation of the original Japanese documentation.

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### 1.1.About Setup Program

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In this document, the term **“this software”** refers to a set of related software components, including **FTSDK** and the **Viewer application**.

*FTSDK* refers to the collection of APIs provided by this software.

In this document, the term **“setup program”** refers to the program that configures the behavior of this software when your application incorporating this software is executed on the end user's environment. (Hereinafter, the setup program is referred to as **“this program”**.)

The intended use case is primarily to execute this program from an installer or similar tool during the setup of the customer's application.

#### Caution!

**When the setup program is executed in an environment where this software is already installed, the system area that retains the current settings and license information will be overwritten by the configuration of the setup program.**

To avoid this, please back up the **C:\ProgramData\LoggingFt** folder before running the setup program.

If the system area is unintentionally overwritten by the setup program's configuration, it can be restored by executing the installer again.

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### 1.2.About Unset up Program

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In this document, the term **“Unset up program (uninstallation setup program)”** refers to the program that removes the system areas constructed by either the setup program or this software.

The intended use case is primarily to execute this program from an uninstaller or similar tool during the uninstallation of the customer's application.



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## 1.3. Precautions for Use and Disclaimer

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- Do not output highly confidential information such as personal or sensitive data using this software.
- Do not use this software in systems that require high reliability, such as medical or financial systems.
- The author shall not be held liable for any damage or loss caused by the use of this software.
- When introducing this software, consider using the free and trial versions provided, and do so at your own risk.
- If any bugs or malfunctions are found, the author will endeavor to improve them but is not obligated to do so.

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## 1.4. Copyright and License Terms

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By using this software, you agree to the following terms and conditions:

- The copyright of this document and software belongs to the author, **Quantlyworks Software**. You are prohibited from reprinting, reproducing, modifying, distributing, or selling the software or this document without the author's permission.
- You may use the Software solely for the purpose of enabling the functions provided by the Software to operate correctly.
- You may incorporate the software into your program, provided that its functions operate normally, and reproduce and redistribute it with your program.
- You may use this software in your own program, regardless of whether it is for commercial or noncommercial use, under the aforementioned conditions.

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## 1.5. System Requirements

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OS : Windows10(64bit)、Windows11(64bit)

CPU : Intel 4h generation or later or compatible CPU (recommended)

RAM : 4GB or more (recommended)

STRAGE: 32MB or more free space




## 2. Setup

There are two methods of setup:

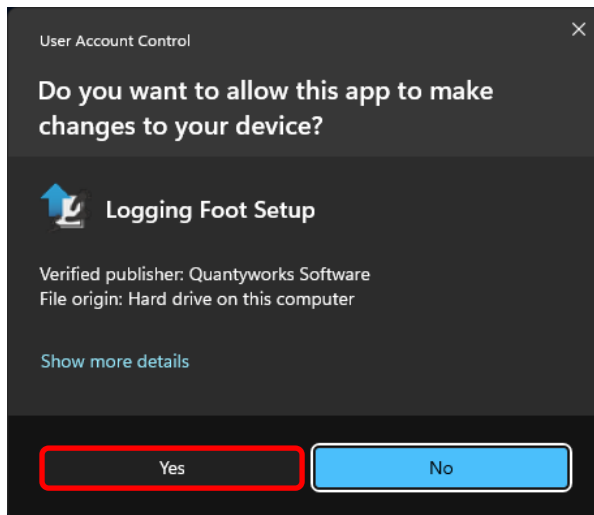
This chapter describes these setup methods.

- Performing setup by launching the GUI
- Performing setup by executing commands from another program (silent setup)

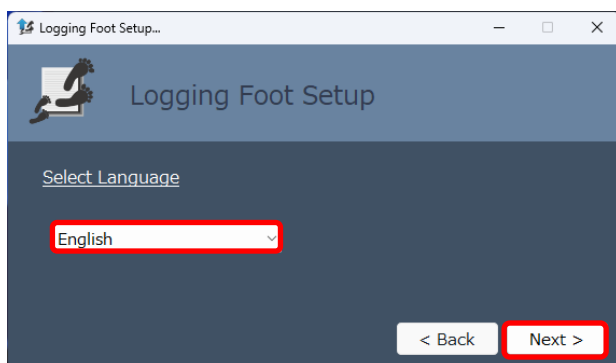
### 2.1. Setup by Launching the GUI

Double-clicking the Logging Foot Setup program icon  launches the GUI of this program. Since this program requires administrator execution, the dialog shown below will appear under the default UAC (User Account Control) settings.

To continue the setup, click the **[Yes]** button.



The GUI will launch. Select the language (English or Japanese), and then click the **[Next]** button.



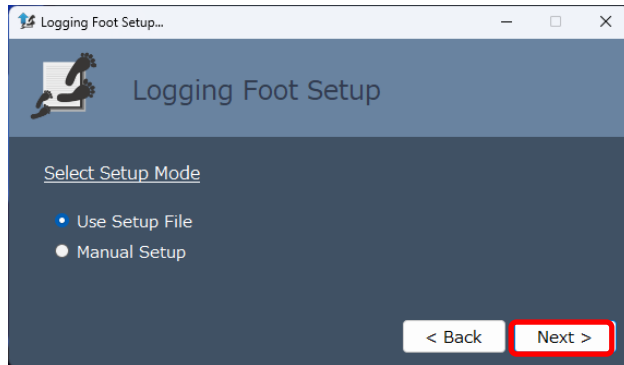


# Logging Foot Setup guide

The setup mode selection screen will appear, as shown below.

When performing setup via the GUI, you can choose from the modes shown in the figure.

The following subsections explain each setup mode in detail.



## 2.1.1. Using a Setup File

Using the setup file allows configuration of more items compared to manual setup.

It is suitable for setup at the end-user site.

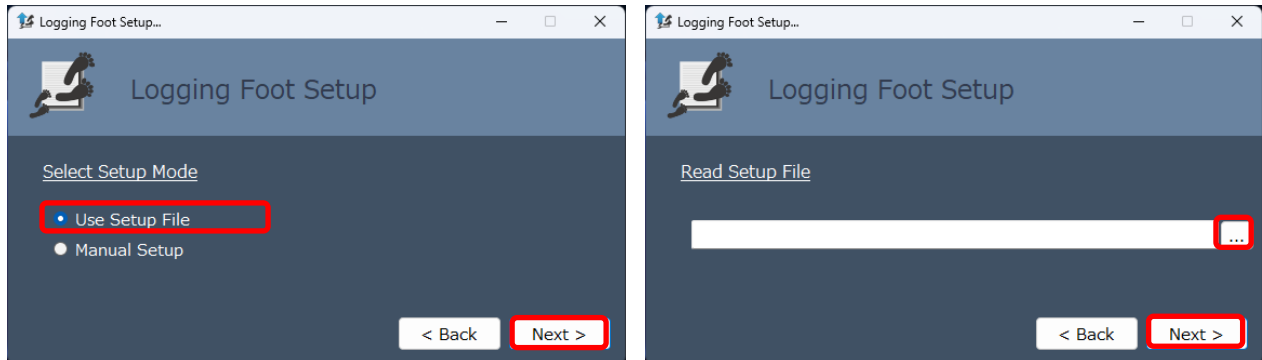
Note: The chapter numbers in parentheses refer to those in the separate document “Viewer Application Operation Guide.”

Configuration Items	Use Setup File	Manual Setup
Display Language Setting(2.11)	<b>Yes</b>	No
Coloring Filter Condition(2.13.3)	<b>Yes</b>	No
Coloring Filter Column to Column Matching Condition(2.13.2)	<b>Yes</b>	No
Coloring Filter Token Delimiter(2.13.2)	<b>Yes</b>	No
Visibility Filter Condition(2.12.3)	<b>Yes</b>	No
Visibility Filter Column to Column Matching Condition (2.12.2)	<b>Yes</b>	No
Visibility Filter Token Delimiter (2.12.2)	<b>Yes</b>	No
Logging File Archive Settings (2.14.2.2)	<b>Yes</b>	<b>Yes</b>
Logging File Current Settings (2.14.2.1)	<b>Yes</b>	<b>Yes</b>
Encoding Settings (2.14.2.3)	<b>Yes</b>	<b>Yes</b>
Connection Setting (2.14.3.2)	<b>Yes</b>	<b>Yes</b>
Internal Event Log Setting (2.14.3.3)	<b>Yes</b>	<b>Yes</b>
Client Trigger Startup Settings (2.14.4.1)	<b>Yes</b>	<b>Yes</b>
Authenticated License File(2.14.4.3)	<b>Yes</b>	<b>Yes</b>
Custom Category Registration Setting (2.15)	<b>Yes</b>	No



## 2.1.1.1. Loading a Setup File

Select the **[Use setup file]** option and click the **[Next]** button, as shown below, to display the setup file loading screen.



Click the **[...]** button to display the setup file loading dialog, and select the setup file (\*.setup). After selecting the file, click the **[Next]** button.

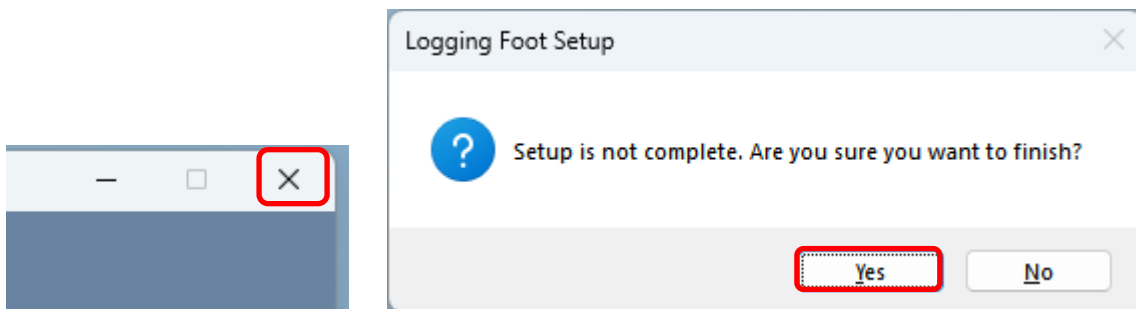
The setup file should be exported in advance from the Logging Foot Viewer application's option settings screen.

For details, refer to section **2.14.4 General Settings / Option Settings** in the separate document Viewer Application Operation Guide.

## 2.1.1.2. Canceling the Setup Process

On the “**2.1.1.4 Starting Setup**” screen, until the **[Next]** button is pressed, clicking the **[x]** button at the top right of any screen will display the confirmation dialog shown below.

Click **[Yes]** to cancel the setup.







## Logging Foot Setup guide

### 2.1.1.3. Confirmation of Setup File Contents

The contents of the setup file are displayed, as shown below.

Settings cannot be changed or edited on this screen; it is for confirmation only.

Click the **[Next]** button.

### 2.1.1.4. Starting Setup

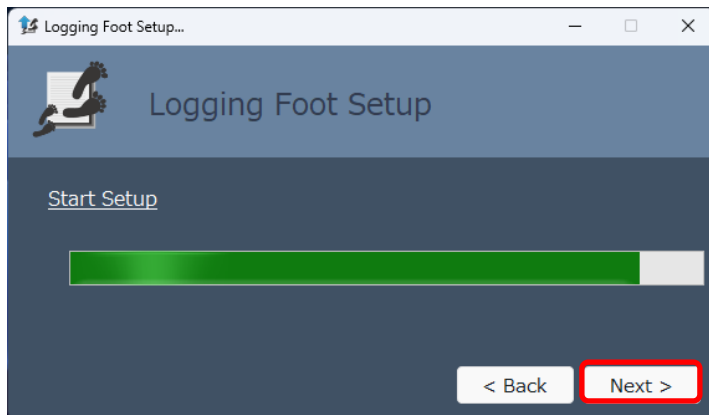
Click the **[Next]** button, as shown below, to start the setup.

After this point, the setup cannot be canceled.



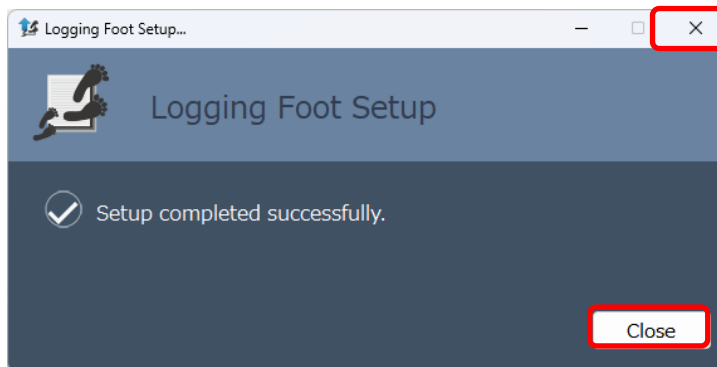
# Logging Foot Setup guide

The screen shown below is displayed while the setup is in progress.



When the setup is complete, the screen shown below is displayed.

Click the [x] button at the top right or the [Close] button to exit the setup.

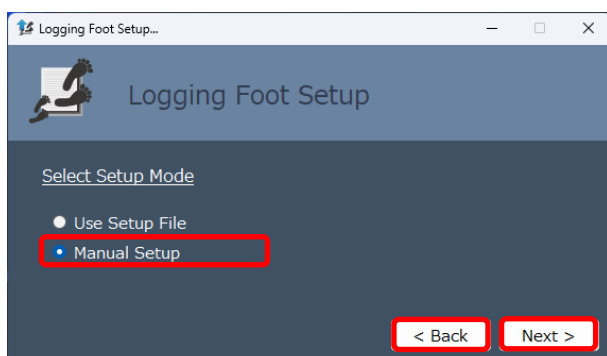


## 2.1.2. Performing Manual Setup

Manual setup is a function that allows configuring the behavior and settings of this software through the GUI of this program.

After clicking the [Next] button on the language selection screen, the setup mode selection screen shown below is displayed.

Select the [Manual setup] option and click [Next] to display the configuration screen for logging files and encoding settings.





## Logging Foot Setup guide

Configuration screen for logging files and encoding

**Logging File Archive Settings**

Archive File Size (1KB - 256MB)  MB

File Name (without extension)

File Path  ...

**Logging File Current Settings**

File Name (without extension)

File Path  ...

**Encoding Settings**

Write Encoding

Read Encoding

< Back    Next >



## 2.1.2.1. Logging File Archiving Settings

This screen allows you to configure logging file archiving settings and set the output destination for archived files.

The screenshot shows the 'Logging Foot Setup' window. The 'Logging File Archive Settings' section is highlighted with a red box. It contains the following fields:

- Archive File Size (1KB - 256MB): 2 MB (with a dropdown arrow)
- File Name (without extension): ArchiveLog\_
- File Path: C:\ProgramData\LoggingFt\viewer\log\ (with a selection button)

Below this section, the 'Logging File Current Settings' section is visible, containing:

- File Name (without extension): CurrentLog
- File Path: C:\ProgramData\LoggingFt\viewer\log\ (with a selection button)

Logging file archiving settings

GUI	Description
Archive File Size Input Box	Enter the file size at which the current file is moved to an archive file. The valid range is <b>1 KB</b> to <b>256 MB</b> .
Archive File Size Unit Selection Drop-Down	Select the unit of file size at which the current file is archived. The available units are <b>KB</b> and <b>MB</b> .
File Name Input Box	Enter the name of the archive file. A timestamp consisting of the migration date, time, and microseconds (6 digits) will be automatically appended to the file name. <i>Example: ArchiveLog_20240212-112023-386146.csv</i>
File Path Input Box	Specify the destination folder where the archive files will be saved. Normally, you should select the folder using the file path selection dialog. Note: the default folder <b>C:\ProgramData\...</b> is a hidden folder. If it is not visible, please adjust the folder view settings to display hidden folders.
File Path Selection Dialog Button	Clicking the [...] button will open the file path selection dialog.



## 2.1.2.2. Logging File Current Settings

Logs output from the client process are always saved as the current file.

You can configure the output destination of these files.

The screenshot shows the 'Logging Foot Setup' window. The 'Logging File Current Settings' section is highlighted with a red box. It contains the following fields:

- File Name (without extension):** CurrentLog
- File Path:** C:¥ProgramData¥LoggingFt¥viewer¥log¥

Other sections visible include 'Logging File Archive Settings' with 'Archive File Size (1KB - 256MB)' set to 2 MB, and 'Encoding Settings' with 'Write Encoding' and 'Read Encoding' both set to 'OS Standard'. Navigation buttons '< Back' and 'Next >' are at the bottom right.

Logging file current settings

GUI	Description
File Name input Box	Enter the file name for the current file. The file extension does not need to be specified.
File Path Input Box	Enter the location where the current file will be saved. Normally, please use the file path selection dialog to specify the location. Note that the default path <b>C:\ProgramData~</b> is a hidden folder. If it is not visible, please change the folder display settings to show hidden folders.
File Path Selection Dialog Button	Clicking the [...] button will open the file path selection dialog.



## 2.1.2.3. Encoding Settings

Configure the encoding for logs output from the client process when saved as the current file, as well as the encoding for reading CSV-format logging files.

After completing the settings, click the **[Next]** button.

The screenshot shows the 'Logging Foot Setup' dialog box. It has three main sections: 'Logging File Archive Settings', 'Logging File Current Settings', and 'Encoding Settings'. The 'Encoding Settings' section is highlighted with a red box. It contains two dropdown menus: 'Write Encoding' and 'Read Encoding', both set to 'OS Standard'. The 'Next >' button is also highlighted with a red box.

### Encoding settings

GUI	Description
Write Encoding	Select the encoding to be used when logs output from the client process are saved to the current file. The available encoding options are <b>OS Standard</b> , <b>UTF-8</b> , and <b>UNICODE</b> . For Japanese OS environments, <b>OS Standard</b> typically defaults to <b>Shift-JIS</b> .
Read Encoding	Select the encoding to be used when reading CSV-format logging files. The available encoding options are the same as those for writing.



## 2.1.2.4. Connection Settings

Click the **[Next]** button on the logging file and encoding settings screen to display the **Connection Settings** and **Internal Event Log Settings** screen, as shown below.

This software communicates with the server and client processes via sockets.

In this section, you configure the connection port number.

Logging Foot Setup

Connection Settings

Connection Port Number (49152 - 65535)

Internal Event Log Settings

☒ Enable Logging View

☐ Enable File Output

< Back    Next >

### Connection settings

GUI	Description
Connection Port Number Input Box	<p>Configure the communication port number for the client process.</p> <p>The port number specified here must be used for the API that the client process calls when starting logging.</p> <p>Change this port number only if it conflicts with ports used by other applications in your environment.</p> <p>The recommended port range is <b>49152–65535</b>.</p>



### 2.1.2.5. Internal Event Log Settings

This section allows you to configure the display and file output of internal events in the Viewer application, such as the communication status with the client process.

Displaying or outputting these internal events can assist in troubleshooting, for example, if the connection with the client process does not complete successfully.

Internal events are displayed with strings enclosed by underscores in the Category and Severity columns, such as LOG or INFO.

After completing the configuration, click the **[Next]** button.

Internal event log settings

GUI	Description
Enable Logging View	Checking this option enables internal events to be displayed in the Logging View.
Enable File Output	Checking this option enables internal events to be output to the logging file.





## 2.1.2.6. Client Trigger Launch Settings

This section configures the behavior of the Viewer application when it is launched from your program (client trigger launch).

The screenshot shows the 'Logging Foot Setup' window. The 'Client Trigger Launch Settings' section is highlighted with a red box. It contains four settings, each with a dropdown menu:

- Window State: Hide to System Tray
- Always on Top Window: Normal
- Multiple Startup: Deny
- Window Operation Lock: Unavailable

Below this section is the 'Authenticated License File' section, which includes a text input field labeled 'Select Authenticated License File.' and a file selection button (...). At the bottom are '< Back' and 'Next >' buttons.

### Client trigger launch settings

GUI	Description
Window State Drop-Down	Configure the window state when the application is launched.
Always on Top Window Drop-Down	Set whether the application window should always be displayed in the foreground.
Multiple Startup Drop-Down	Specify whether multiple instances are allowed when the application is already running from a client trigger launch.
Window Operation Lock Drop-Down	Set whether the application window can be interacted with.
Unlock Password Input Box	Set the password to unlock window interaction. This option is displayed only if the Window Interaction <b>Window Operation Lock</b> is <b>Available</b> .



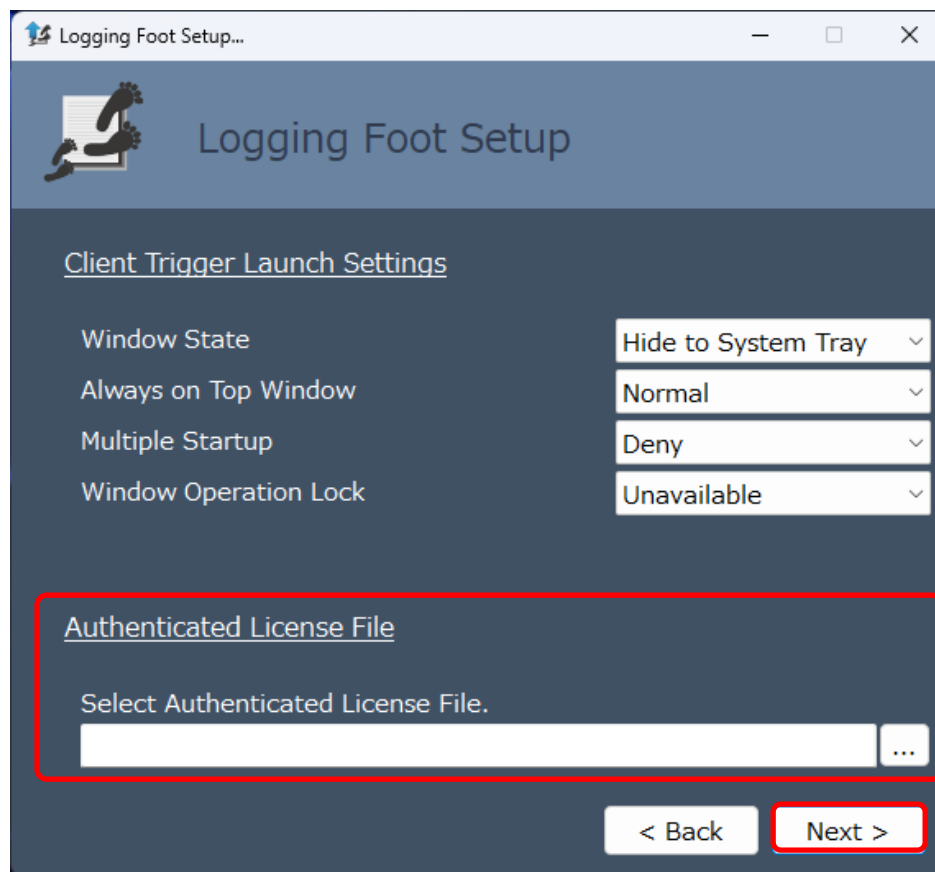
## 2.1.2.7. Authenticated License File

The authenticated license file should be exported in advance from the Viewer application's option settings.

(For details, refer to [Viewer Application Operation Guide 2.14.4.3 Authenticated license file])

If an authenticated license file is not selected in this section, clicking the [Next] button will not allow you to proceed to the next configuration screen.

After completing the selection, click the [Next] button.



Authenticated license file

GUI	Description
Select Authenticated License File	Clicking the [...] button will open the file path selection dialog.

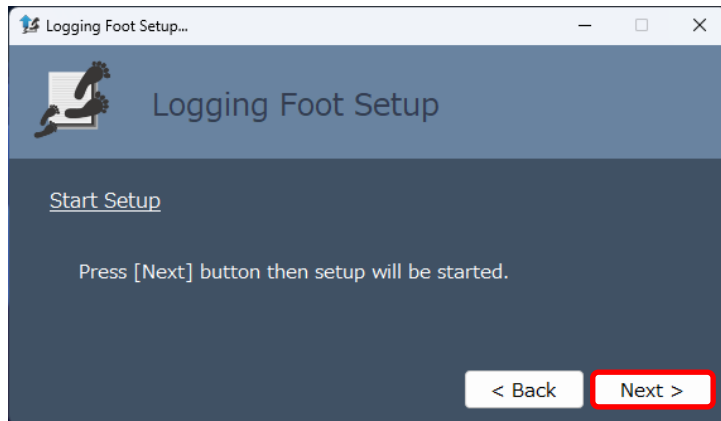


## Logging Foot Setup guide

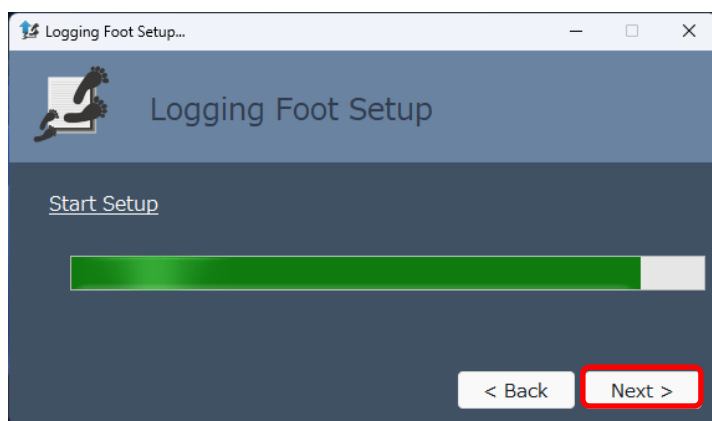
### 2.1.2.8. Starting Setup

Click the **[Next]** button, as shown below, to start the setup.

After this point, the setup cannot be canceled.

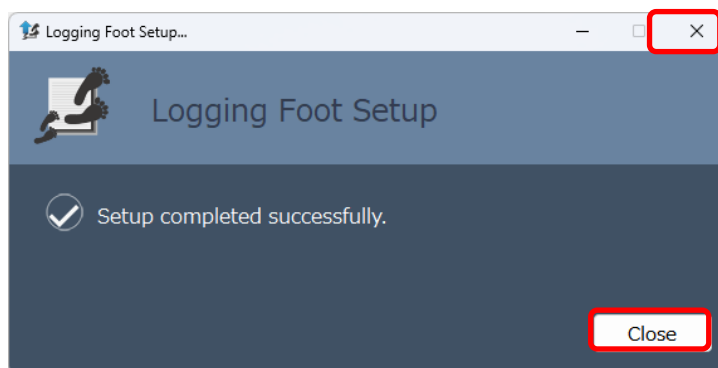


The screen shown below is displayed while the setup is in progress.



When the setup is complete, the screen shown below is displayed.

Click the **[x]** button at the top right or the **[Close]** button to exit the setup.





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## 2.2. Launching Setup from Another Program

---

This program can be launched by other programs, installers, CUI, batch programs, etc.

Since the GUI is not displayed, this method is also referred to as a silent setup.

To launch the program, specify it in the following format:

**ft\_setup.exe "Setup filename"**

Specify the setup file name after the setup program name, separated by a space.

- ✧ The setup file name must be either an absolute path or a path relative to the setup program.
- ✧ The setup file should be exported in advance from the Logging Foot Viewer application's option settings.

(For details, refer to the separate document [Viewer Application Operation Guide 2.14.4 General settings – Option settings])

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### 2.2.1. Example of Launching from Another Program

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As an example, the following shows how to launch the setup from a batch program.

Enter the code below and save it with the .bat extension.

It is assumed that the setup file **ft\_mysetupparam\_en.setup** is located in the same folder as the setup program **ft\_setup.exe**.

The setup program **ft\_setup.exe** is installed in the following default folder:

**C:\Program Files\LoggingFoot\ftsetup**

```
@echo off
echo Setup starting...
ft_setup.exe ".\ ft_mysetupparam_en.setup"

echo ExitCode= %errorlevel%

rem Please input any key..
pause
```

Since this program requires execution with administrator privileges, running it as a standard user will typically display the User Account Control dialog shown in **2.1 Setup by Launching the GUI**.

To avoid this, the program used to launch this setup program must be executed with administrator privileges in advance.



## 2.2.2. List of Return Codes

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When this program is launched from the command line, a return code is returned to the calling program via standard output.

Return Code	Description
0	Normal Completion
1	Invalid Argument Error
2	Setup File Not Found
17	Communication Connection Settings Read Error
18	Logging File Settings Read Error
19	Internal Log Settings Read Error
20	Option Settings Read Error
21	Authenticated License File Read Error
25	Setup File Read Error
32	Authenticated License File Setup Error
33	Communication Connection Settings Setup Error
34	Logging File Settings Setup Error
35	Internal Log Settings Setup Error
36	Option Settings Setup Error
37	License Information Setup Error
48	Firewall Settings Setup Error




## 3. Unsetup

There are two methods for performing an unsetup (removal of setup).

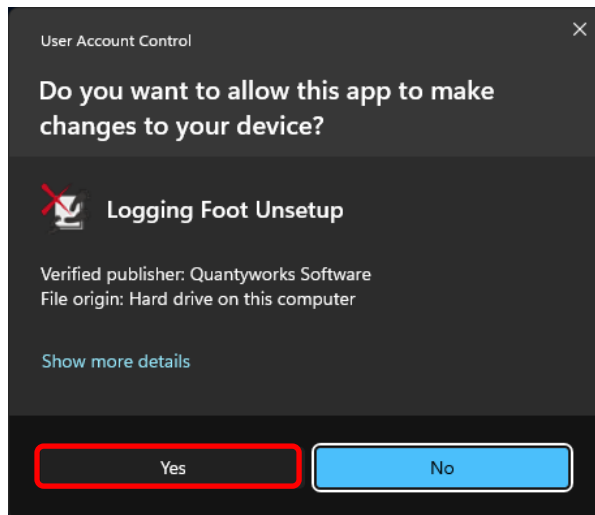
This section explains these unsetup methods:

- Launch the GUI to perform the unsetup
- Execute the unsetup via command from another program (silent unsetup)

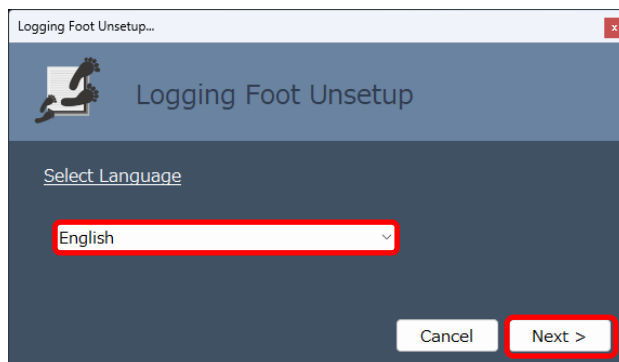
### 3.1. Unsetup by Launching the GUI

Double-click the **Logging Foot Unsetup** program icon  to launch the GUI of this program. As this program requires administrator privileges, the following dialog will appear under the default User Account Control (UAC) settings.

To continue with the unsetup, click the **[Yes]** button.



The GUI will launch. Select the language (English or Japanese), and then click the **[Next]** button.



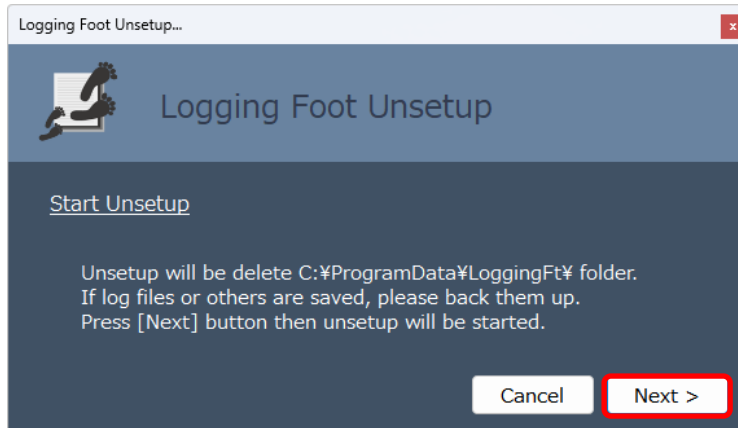


## Logging Foot Setup guide

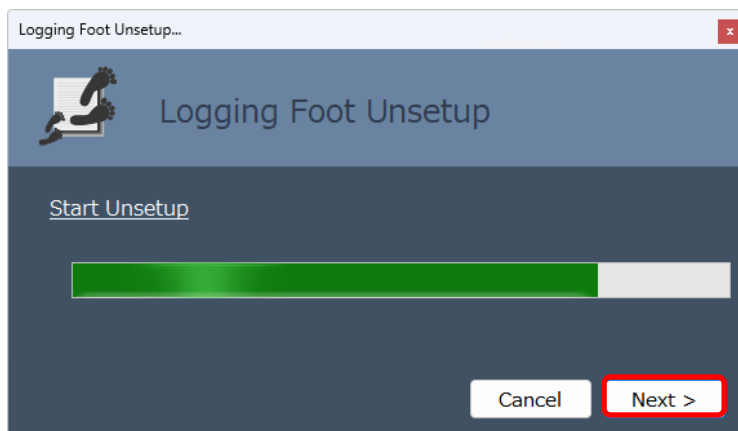
On the screen shown below, clicking the **[Next]** button will start the unsetup process.

After this point, the process cannot be canceled, so please proceed with caution.

The folder **C:\ProgramData\LoggingFt** will be deleted. If this folder has been set as the destination for log files, make sure to take appropriate measures such as creating a backup.

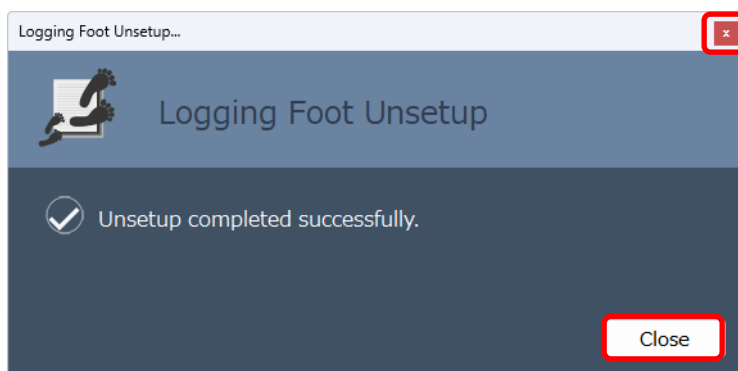


The screen shown below is displayed while the unsetup is in progress.



When the unsetup is complete, the screen shown below will be displayed.

Click the **[X]** button at the top right or the **[Close]** button to exit the unsetup.





## 3.2. Launching Unsetup from Another Program

This program can be launched by other programs, installers, CUI, batch programs, etc.

Since the GUI is not displayed, this method is also referred to as a silent unsetup.

To launch the program, specify it in the following format:

**ft\_unsetup.exe /s**

Specify **/s** after the unsetup program name, separated by a space.

(Note: The switch is case-insensitive.)

### 3.2.1. Example of Launching from Another Program

As an example, the following shows how to launch the unsetup from a batch program.

Enter the code below and save it with the **.bat** extension.

The unsetup program **ft\_unsetup.exe** is installed by default in the following folder:

**C:\Program Files\LoggingFoot\ftsetup**

```
@echo off
echo Unsetup starting...
ft_unsetup.exe "/s"
echo ExitCode= %errorlevel%
rem Please input any key..
pause
```

This program requires execution with administrator privileges. When launched by a standard user, the User Account Control (UAC) dialog typically appears, as illustrated in section **“3.1 Unsetup by Launching the GUI”**.

To bypass this dialog, the program that initiates this application must itself be executed with administrator privileges in advance.

### 3.2.2. List of Return Codes

When this program is launched from the command line, a return code is returned to the calling program via standard output.

Return Code	Description
0	Normal Completion
1	Invalid Argument Error





## 4. Redistribution to End Users

To enable logging execution at the end-user site, it is necessary to distribute this setup program together with the related modules required for logging, along with the customer's program.

### 4.1. Procedure for Distribution to End Users

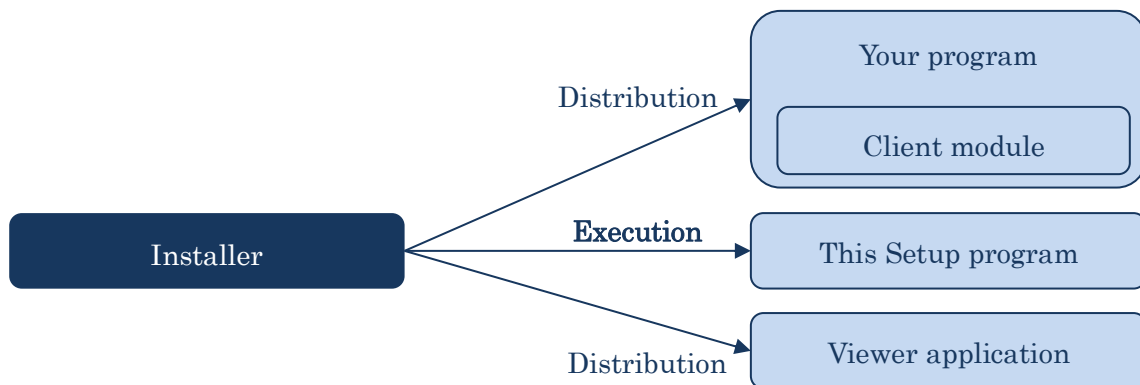
As an example, the following describes the case where the customer's program is distributed using an installer or similar method.

#### 4.1.1. Installer

As shown in the figure below, configure the installer so that the customer's program and the Viewer application are distributed, and this setup program is executed.

For the client module, configure the installer so that it is distributed into the same folder as the customer's program.

For the Viewer application, configure the installer so that the set of modules indicated in 4.2.1 is distributed to any designated destination.



#### 4.1.2. Uninstaller

As shown in the figure below, configure the uninstaller so that this setup removal program is executed.





## 4.2. Modules Required for Distribution to End Users

At the end-user site, it is necessary to distribute the modules listed below in sections 4.2.1 through 4.2.4.

### 4.2.1. Viewer Application

Configure the installer or other setup method so that it is distributed with the following components.

The distribution destination can be chosen arbitrarily

File name	Description
ft_viewer.exe	Viewer application.
ft_viewer.exe.config	Viewer application configuration file.
ft_svr.dll	Logging Foot Server module.
lic_enc.dll	Viewer application dependencies.
Microsoft.WindowsAPICodePack.dll	Viewer application dependencies.
Microsoft.WindowsAPICodePack.Shell.dll	Viewer application dependencies.
ja-JP\ft_viewr.resources.dll	Viewer application dependencies.
help\LoggingFoot_Man-JP.pdf	Viewer application help document.
help\LoggingFoot_Man-EN.pdf	Viewer application help document.

### 4.2.2. Setup Program

Configure the installer or other setup method to execute according to the structure below.

Distribution is optional.

File name	Description
ft_setup.exe	This setup program.
ft_setup.exe.config	Configuration file for this setup program.
[file name].setup	If using a setup file, include it here. The [file name] can be chosen arbitrarily.



## 4.2.3. Unsetup Program

---

Configure the uninstaller or other removal tool to execute according to the structure below. Distribution is optional.

File name	Description
ft_unsetup.exe	This unsetup program.
ft_unsetup.exe.config	Configuration file for this unsetup program.

## 4.2.4. Client Module

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Set up the configuration so that it is deployed in the same folder as your program incorporating this software.

File name	Description
ft_cli.dll	Logging Foot Client module.

## 4.3. About the Installer Sample

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The installer sample is included in the installation destination as follows:

**C:\Program Files\Logging Foot\ftsetup\SetupSample**

This sample is intended to be run at the end-user site with *Sample\_StartupServer* executing to perform logging. When the *Sample\_StartupServer* application starts, the Viewer application is launched and logging begins.

### 4.3.1. <Important Notice> Notes on the Installer Sample

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**When this installer sample is executed in an environment where this software is already installed, the system area that retains the current settings and license information will be overwritten by the configuration of this installer sample.**

To avoid this, please back up the **C:\ProgramData\LoggingFt** folder before running the installer sample.

If the system area is unintentionally overwritten by the installer sample's configuration, it can be restored by executing the installer again.



## 4.3.2. Development Environment for the Installer Sample

Prior to executing this installer sample, copy the **SetupSample** folder to the root directory of the **C: drive (C:\)**, and then launch the Visual Studio 2022 Setup Project.

The development environment and installer formats for the sample are as follows:

Development Environment	Visual Studio 2022 Setup Project (The Setup Project may require separate installation.)
Build Output	SetupSample\ReleaseEn\SetupSample.msi (English version) SetupSample\ReleaseJa\SetupSample.msi (Japanese version)

Usage instructions for Visual Studio Setup Project are omitted in this document.

## 4.3.3. How to Use the Installer Sample

1. Execute SetupSample.msi in the build output folder to start the installation.
2. By default, the program will be installed in **C:\Program Files\MyCompany**.  
Double-click the desktop icon **"Sample\_StartupServer"** to launch the application.
3. When the sample program starts, the Viewer application will also launch.  
Logging is already active, so you can verify its operation by sending messages or changing the window state.

Sample\_StartupServer

Server Program Startup Settings

Server name: localhost Port number: 50500

Server path: C:\Program Files\MyCompany\ftviewer\ft\_viewer.exe

Call API: FTCORE\_StartTriggerWithParam

Window state: SHOW\_WINDOW\_NORMALY

Topmost: STATE\_FALSE

API Result: FTCORE\_SUCCESS

Exit Startup

Logging Message Output

Category: NON ☐ Random

Severity: NON ☐ Random

Message:

Send



## Logging Foot Setup guide

4. When closing the application, click the **X** button at the top-right corner of the sample program window.

The Viewer application will also close simultaneously.

5. To uninstall, open **“Installed Apps”** from the Windows menu and uninstall **“SetupSample”**.

