



Viewer Application Operation Guide

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Viewer application Operation guide

Revision History

Version	Date	Description
1.1.0.1	Nov. 2025	Initial release



Viewer application Operation guide

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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.

1.1. About This Software

The software described in this document refers to a series of related software programs, including FTSDK and Viewer applications, which will be described later.

By implementing the API set provided by this software (hereinafter referred to as FTSDK) into your program, you can use various functions such as real-time log display, search, extraction, and saving on the Viewer application provided by this software to analyze and verify program operation, or to record end-user operation logs.

This contributes to reducing the burden of development and operation, such as debugging work in program development and analysis of logs output during operation.

1.2. Precautions for Use and Disclaimer

- 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.



1.3. Copyright and License Terms

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.

1.4. System Requirements

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 (* However, this excludes stored log data.)

1.5. Performance

- Minimum output log interval:
2 to 3 ms or less (* Verified results using Intel 8th generation CPU)
- Viewer Application:
 - Maximum number of Display Log Rows: 10,000 rows
Note: Any lines exceeding this number will be deleted from the top.
 - Maximum output byte count per log entry: 4KB
Note: Any bytes exceeding this number will not be output.
 - Log output supported languages: English, Japanese
Note: Special characters and symbols are not supported. They will be garbled
 - Minimum display interval: 16 ms
Note: If output occurs at intervals shorter than this, it will be buffered internally.
Output logs will not be lost.
Therefore, if output continues at intervals shorter than the minimum display interval, memory usage will increase.



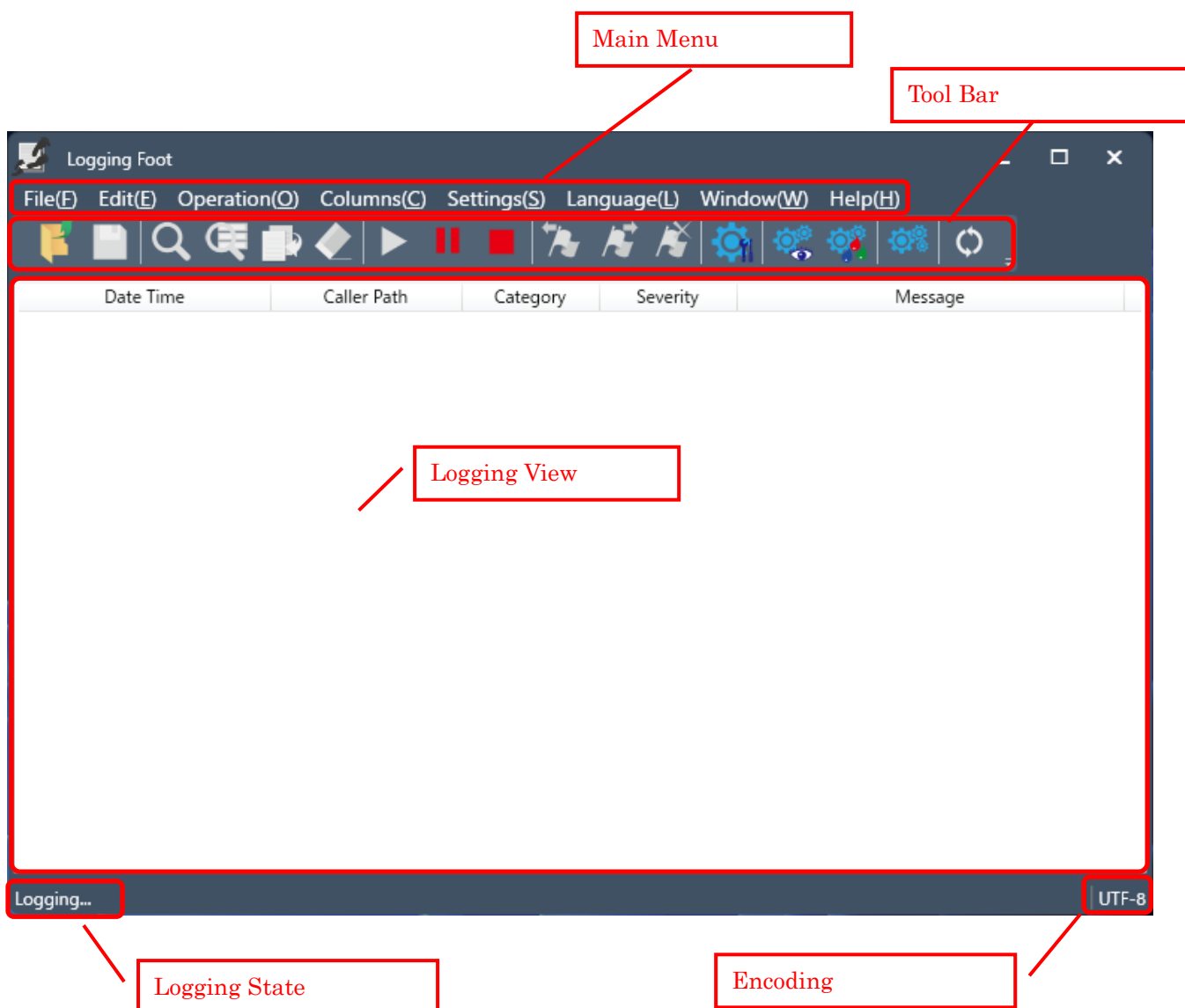
2. Viewer Application Operation Guide

This document describes the **Viewer Application** within the software configuration.

The Viewer Application not only displays and saves logs output using the FTSDK in real time, but also provides advanced search and filtering capabilities. By utilizing these features, it is possible to efficiently analyze large volumes of logs by, for example, displaying only the logs of interest or applying color coding.

Hereafter, unless otherwise specified, the Viewer Application will be referred to as "**this APPLICATION**".

2.1. How to View the Main Screen





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GUI	Description
Main Menu	Almost all operation menus, except for bookmark operations, are accessible.
Tool Bar	These are mainly provided as shortcuts to the main menu.
Logging View	Logs output from the client process are displayed. By selecting [Column (C)] from the main menu, you can choose which columns to display or hide.
Logging State	The following statuses are available: <ul style="list-style-type: none">- Logging: Logging in progress- Pausing: Log display updates are paused (logging continues)- Suspend: Logging stopped- Logging File: Displaying a loaded log file- Error: Logging stopped due to an error
Encoding	The current encoding is displayed. This encoding is applied when saving log files.

2.2.Starting or Exiting the Viewer Application

2.2.1. Starting the Application

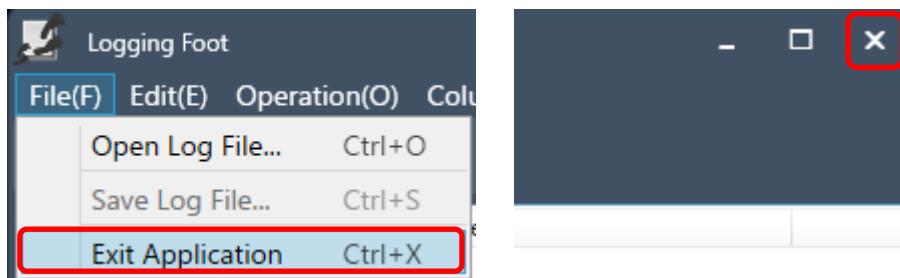
You can launch **ft_viewer.exe** directly or from your application that has implemented the FTSDK API. For details, please refer to the separate document *"Software Installation Guide"*.

2.2.2. Exiting the Application

You can terminate the application by selecting **[File (F) > Exit Application]** from the main menu or by clicking the **X** button in the upper-right corner of the window.

However, if the application was launched from a program via the FTSDK API, it cannot be terminated using the above operations. In such cases, termination must be performed by calling the FTSDK API.

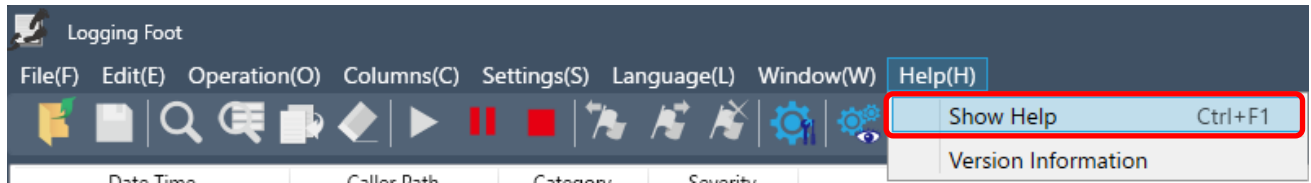
For details, please refer to the separate document *"Software Installation Guide"*.





2.3. Display This Document

You can open this document by selecting **[Help (H) > Show Help]** from the main menu.




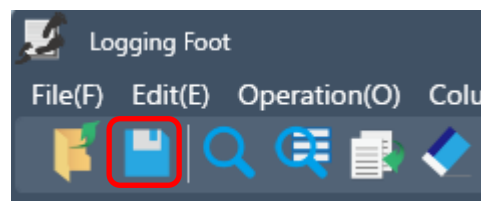
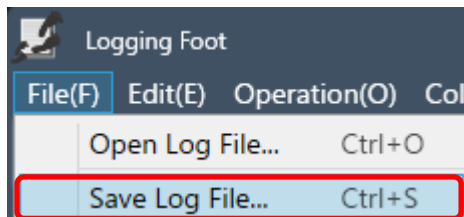
2.4. Saving or Reading Log Files

The logging file is continuously saved in the background in accordance with the settings described in **2.14.2 General Settings – Logging File Setting**. However, you can also save it and load it at any desired timing.

2.4.1. Saving Log Files

Selecting **[File (F) > Save Log File]** from the main menu or clicking the corresponding toolbar

icon  opens the file save dialog.



In the file dialog, you can save the file in two formats as shown in the table below.


File Format	Description
CSV Format log file (.csv)	This is a generic save format that stores each item of the output log separated by commas.
Logging Foot Original file(.ftlog)	This is a Logging Foot–specific save format that stores not only the output logs but also various filter settings and bookmark configurations.

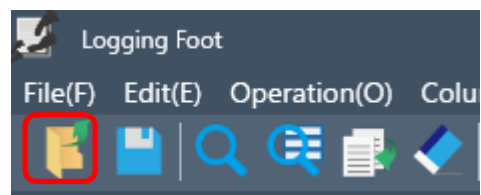
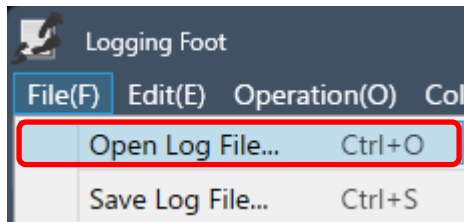


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2.4.2. Reading Log Files

Selecting [**File (F) > Open Log File**] from the main menu or clicking the corresponding toolbar

icon  opens the file open dialog.



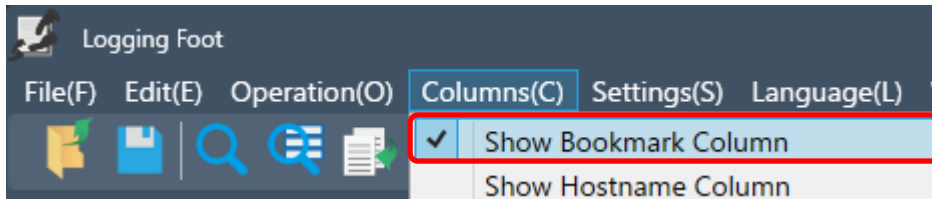
In the file dialog, you can open two types of file formats as shown in the table below.

File Format	Description
CSV Log File (.csv)	You can open CSV-format log files saved by this application.
Logging Foot Original File(.ftlog)	In addition to output logs, various filter settings and bookmark configurations will be restored.



2.5.Performing Bookmark Operations

You can enable this feature by selecting [Show Bookmark Column] from the [Column (C)] menu in the main menu to display the **Mark** column.

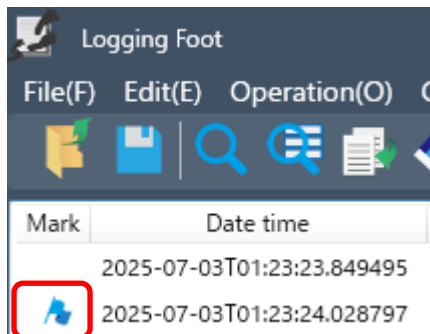


2.5.1. Setting and Removing Bookmarks



Click the **Mark** column for the row where you want to set a bookmark.

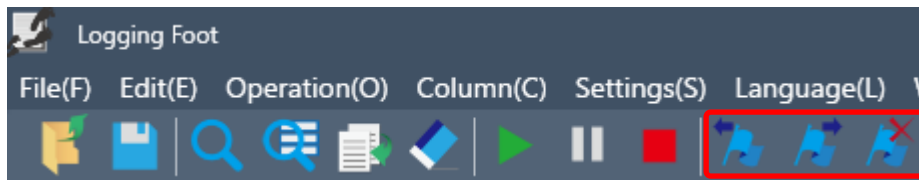
Rows with bookmarks set will display a flag icon.

To remove a bookmark, click the flag icon.



2.5.2. Searching and Deleting Bookmarks

Clicking the toolbar icons  or  will search for bookmarked rows in the upward or downward direction, respectively, and highlight them.



Clicking the toolbar icon  will clear all set bookmarks.



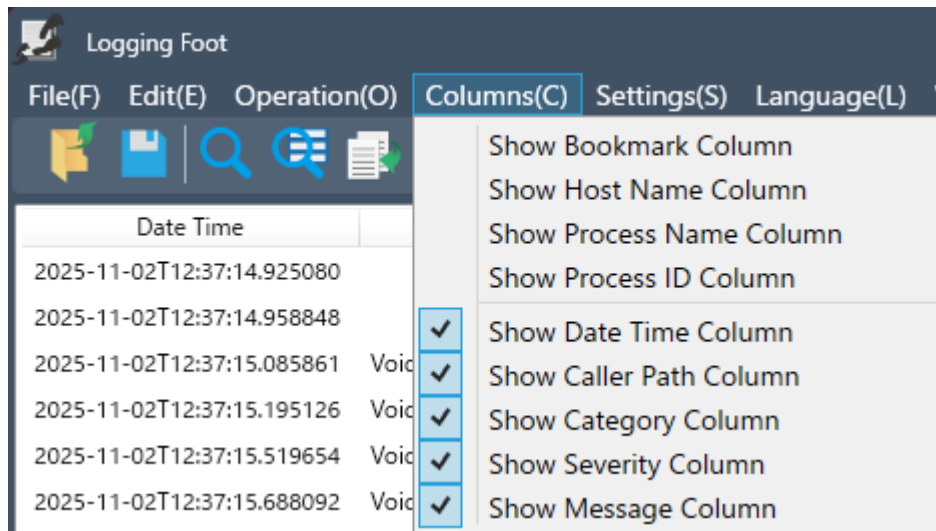
2.6.Show/Hide Columns

From the main menu [**Column (C)**], you can select the visibility of each column.


Displayed columns are marked with a checkmark.

The column visibility settings do not affect search results or filter results.

By default, the columns shown in the figure below are visible.



Descriptions of each menu and column are as follows:

GUI	Description
Show Bookmark Column	Column for displaying and setting bookmarks. ()
Show Host Name Column	Displays the name of the PC where the client process is running.
Show Process Name Column	Displays the process name of the client process.
Show Process ID Column	Displays the process ID of the client process.
Show Date Time Column	Displays the date and time when the log was output.
Show Caller Path Column	Displays the function or method name that output the log.
Show Category Column	Displays the category name specified at the time of log output.
Show Severity Column	Displays the severity level specified at the time of log output.
Show Message Column	Displays the message specified at the time of log output.



2.7. Select, Copy, and Clear Log Entries

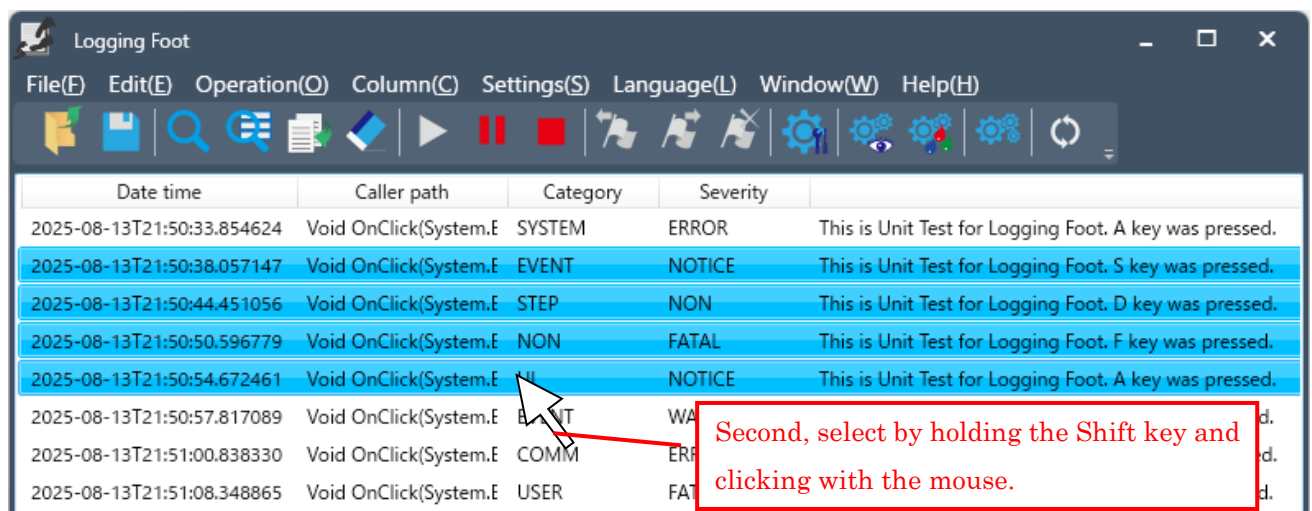
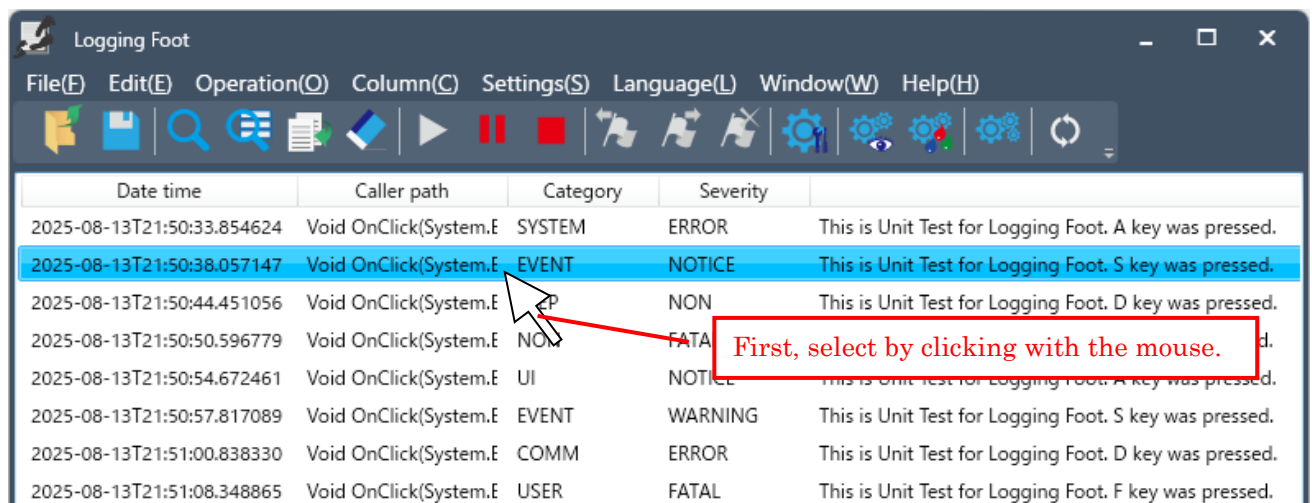
You can copy the logs of the selected row and paste them as text data into applications such as Notepad.

2.7.1. How to Select Log Entries

Logs can be selected by range, multiple lines, or all lines.

2.7.1.1. Range Selection

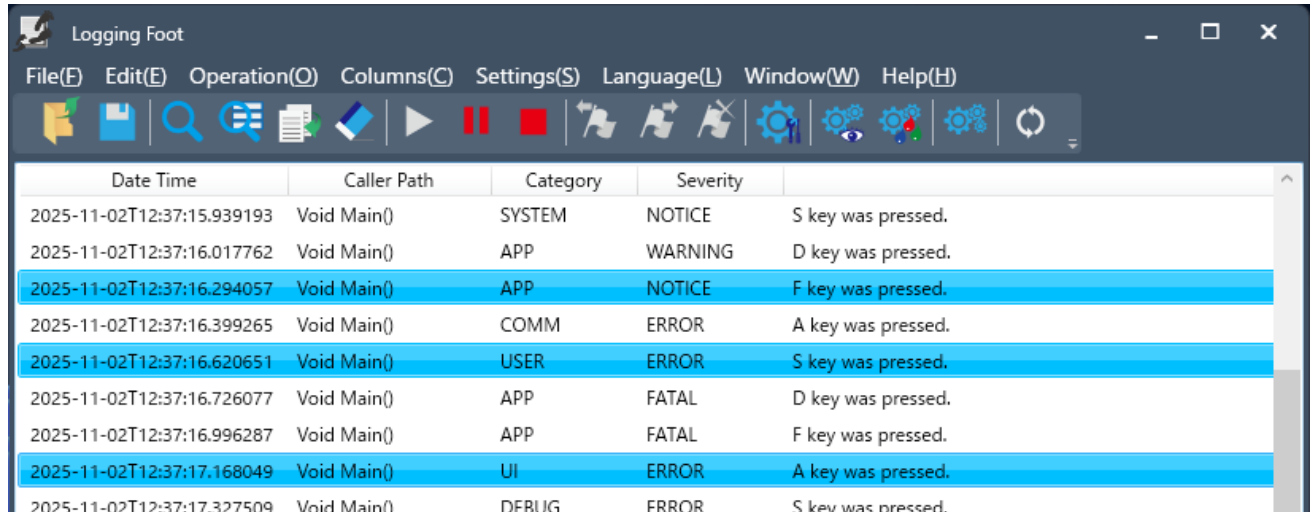
After selecting the starting row of the range, hold down the Shift key and select the ending row of the range.





2.7.1.2. Multi-Line Selection

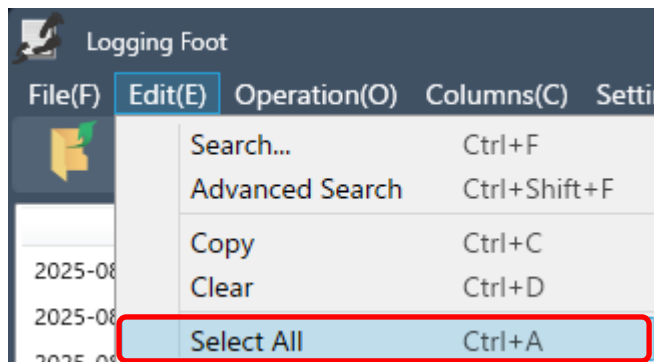
Select any row while holding down the Ctrl key.



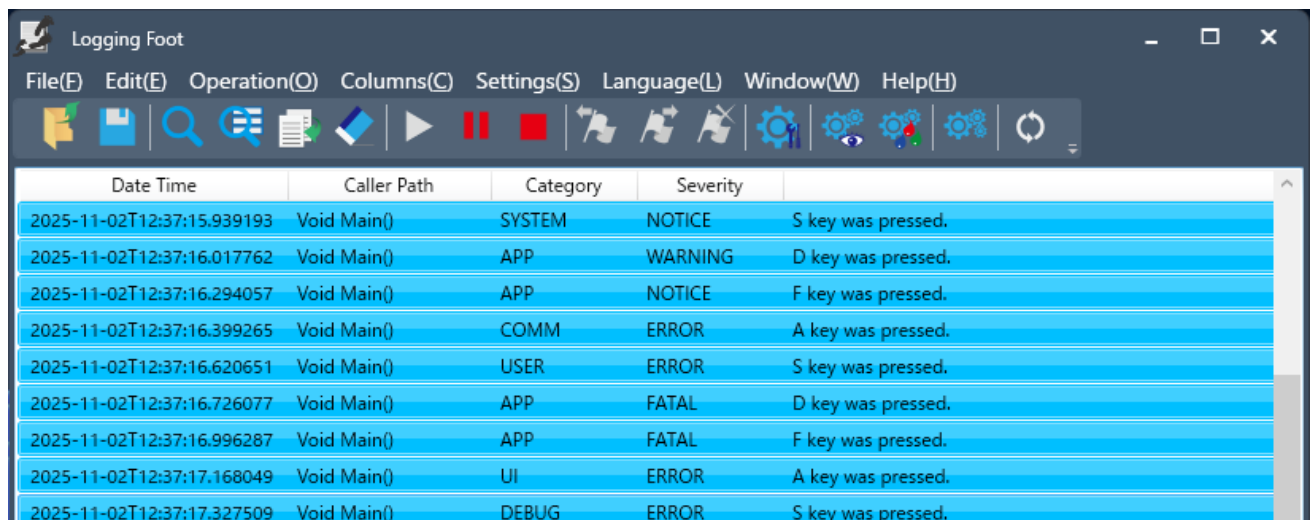
Date Time	Caller Path	Category	Severity	
2025-11-02T12:37:15.939193	Void Main()	SYSTEM	NOTICE	S key was pressed.
2025-11-02T12:37:16.017762	Void Main()	APP	WARNING	D key was pressed.
2025-11-02T12:37:16.294057	Void Main()	APP	NOTICE	F key was pressed.
2025-11-02T12:37:16.399265	Void Main()	COMM	ERROR	A key was pressed.
2025-11-02T12:37:16.620651	Void Main()	USER	ERROR	S key was pressed.
2025-11-02T12:37:16.726077	Void Main()	APP	FATAL	D key was pressed.
2025-11-02T12:37:16.996287	Void Main()	APP	FATAL	F key was pressed.
2025-11-02T12:37:17.168049	Void Main()	UI	ERROR	A key was pressed.
2025-11-02T12:37:17.327509	Void Main()	DEBUG	ERROR	S key was pressed.

2.7.1.3. Select All

With any log row selected, choose main menu **[Edit(E) > Select All]** or press **Ctrl + A**.



The figure below shows the state when all logs are selected.




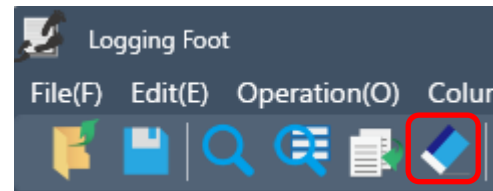
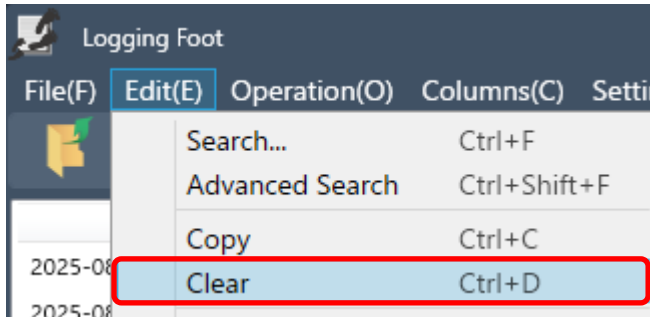
Date Time	Caller Path	Category	Severity	
2025-11-02T12:37:15.939193	Void Main()	SYSTEM	NOTICE	S key was pressed.
2025-11-02T12:37:16.017762	Void Main()	APP	WARNING	D key was pressed.
2025-11-02T12:37:16.294057	Void Main()	APP	NOTICE	F key was pressed.
2025-11-02T12:37:16.399265	Void Main()	COMM	ERROR	A key was pressed.
2025-11-02T12:37:16.620651	Void Main()	USER	ERROR	S key was pressed.
2025-11-02T12:37:16.726077	Void Main()	APP	FATAL	D key was pressed.
2025-11-02T12:37:16.996287	Void Main()	APP	FATAL	F key was pressed.
2025-11-02T12:37:17.168049	Void Main()	UI	ERROR	A key was pressed.
2025-11-02T12:37:17.327509	Void Main()	DEBUG	ERROR	S key was pressed.




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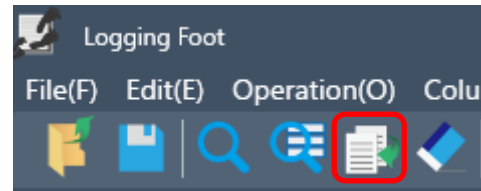
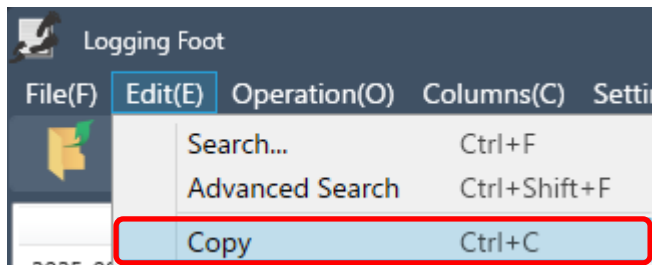
2.7.1.4. Clear

Selecting [**Edit (E) > Clear**] from the main menu or clicking the corresponding toolbar icon  clears all log entries in the logging view.

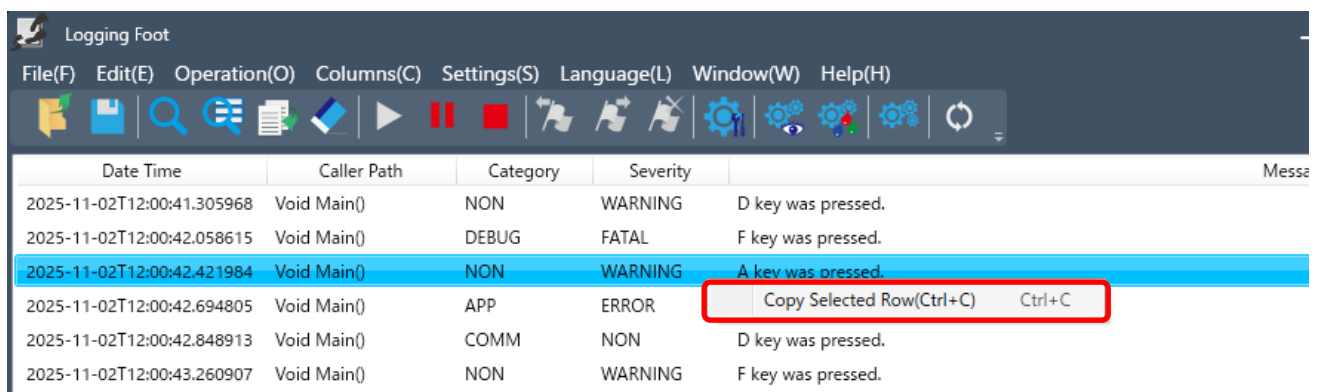


2.7.2. Copy Log Entries

With one or more log rows selected, you can copy them by selecting [**Edit (E) > Copy**] from the main menu or by clicking the corresponding toolbar icon  .



You can also copy by right-clicking on the selected log rows and choosing the **Copy Selected Row (Ctrl + C)** menu.



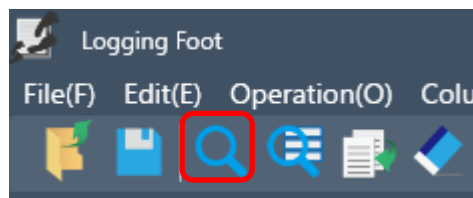
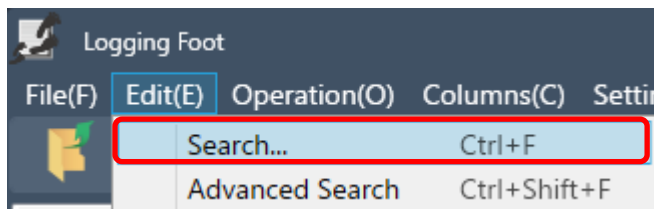


2.8. Searching Logs

Selecting [**Edit (E) > Search...**] from the main menu or clicking the corresponding toolbar icon

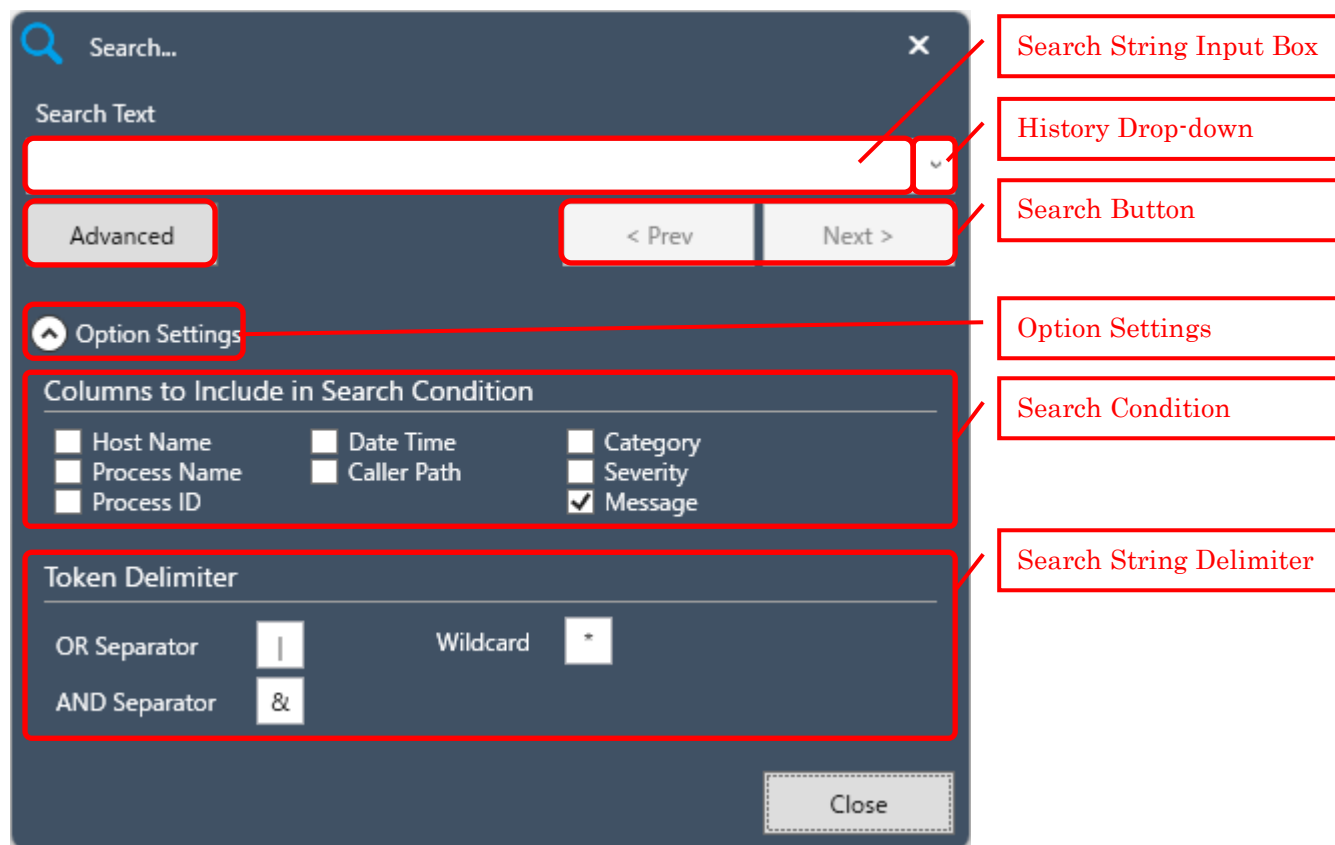


opens the Search dialog.



2.8.1. Description of the Search Window

Log search performs an exact match between the search string entered and the text within the column specified as the search target. Half-width characters and uppercase/lowercase letters are treated as distinct characters.





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GUI	Description
Search string input box	Enter the string you want to search for. Refer to Section 2.8.2 How to Enter Search .
History Drop-down	The most recent search history can be displayed and selected. Up to 20 entries are retained.
Search Button	Searches are performed upward (Previous button) or downward (Next button) from the current selection position in the Logging View (see Section 2.1 How to View the Main Screen). The columns selected in [Columns to Include in Search Conditions] in the option settings are used as the search target. Any matching rows are highlighted.
Advanced Button	Opens a window for specifying more complex search conditions. Refer to Section 2.9 Performing Advanced Search .
Option Settings	Expands or hides the settings for [Columns to Include in Search Conditions] and [Search String Delimiter]. Refer to 2.8.3 Log Search Using Option Settings .

2.8.2. How to Enter Search String

When searching for logs in which the message column contains the string “A key was”, entering “A key was” in the Search String Input Box will not yield a match. This is because the string is surrounded by other text, such as “This is Unit Test for Logging Foot.” before and “pressed.” after.

Example of No Match

Date time	Caller path	Category	Severity	
2025-08-13T21:50:33.854624	Void OnClick(System.E	SYSTEM	ERROR	This is Unit Test for Logging Foot. A key was pressed.
2025-08-13T21:50:38.057147	Void OnClick(System.E	EVENT	NOTICE	This is Unit Test for Logging Foot. S key was pressed.
2025-08-13T21:50:44.451056	Void OnClick(System.E	STEP	NON	This is Unit Test for Logging Foot. D key was pressed.
2025-08-13T21:50:50.596779	Void OnClick(System.E	NON	FATAL	This is Unit Test for Logging Foot. F key was pressed.
2025-08-13T21:50:54.672461	Void OnClick(System.E	UI	NOTICE	This is Unit Test for Logging Foot. A key was pressed.
2025-08-13T21:50:57.817089	Void OnClick(System.E	EVENT	WARNING	This is Unit Test for Logging Foot. S key was pressed.
2025-08-13T21:51:00.838330	Void OnClick(System.E	COMM	ERROR	This is Unit Test for Logging Foot. D key was pressed.
2025-08-13T21:51:08.348865	Void OnClick(System.E	USER	FATAL	This is Unit Test for Logging Foot. F key was pressed.
2025-08-13T21:51:21.703479		_LOG_	_INF_	Logging Server detected disconnection.



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To match “A key was”, specify asterisks (*) before and after, and enter it as follows:

Search...

Search Text

A key was

Advanced < Prev Next >

Example of Match

It will match as shown in the figure below.

Date time	Caller path	Category	Severity	
2025-08-13T21:50:33.854624	Void OnClick(System.E	SYSTEM	ERROR	This is Unit Test for Logging Foot. A key was pressed.
2025-08-13T21:50:38.057147	Void OnClick(System.E	EVENT	NOTICE	This is Unit Test for Logging Foot. S key was pressed.
2025-08-13T21:50:44.451056	Void OnClick(System.E	STEP	NON	This is Unit Test for Logging Foot. D key was pressed.
2025-08-13T21:50:50.596779	Void OnClick(System.E	NON	FATAL	This is Unit Test for Logging Foot. F key was pressed.
2025-08-13T21:50:54.672461	Void OnClick(System.E	UI	NOTICE	This is Unit Test for Logging Foot. A key was pressed.
2025-08-13T21:50:57.817089	Void OnClick(System.E	EVENT	WARNING	This is Unit Test for Logging Foot. S key was pressed.
2025-08-13T21:51:00.838330	Void OnClick(System.E	COMM	ERROR	This is Unit Test for Logging Foot. D key was pressed.

2.8.3. Log Search Using Option Settings

Using the option settings, you can configure detailed search conditions.

Search...

Search Text

Advanced < Prev Next >

Option Settings

Columns to Include in Search Condition

☐ Host Name ☐ Date Time ☐ Category
☐ Process Name ☐ Caller Path ☐ Severity
☐ Process ID ☒ Message

Token Delimiter

OR Separator | Wildcard *

AND Separator &

Close

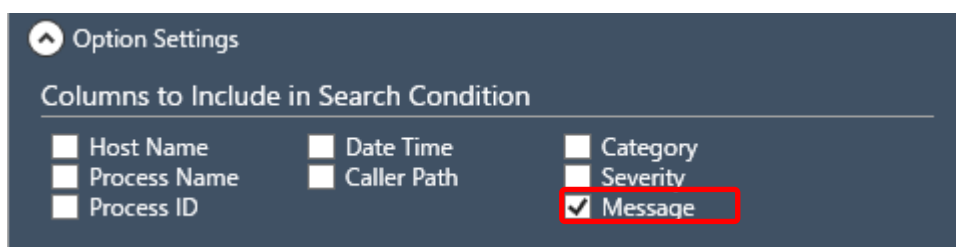


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GUI	Description
Columns to include in search condition	Columns with check marks are included in the search target. Even if a column is hidden via Section 2.6 Show/Hide Columns it will still be included in the search. Refer to 2.8.3.1 Columns to Include in Search Condition .
Token delimiter	You can use condition delimiters and wildcards in the Search String Input Box. These condition delimiter characters and wildcard characters can be changed to any desired characters. Refer to 2.8.3.2 Token Delimiter .

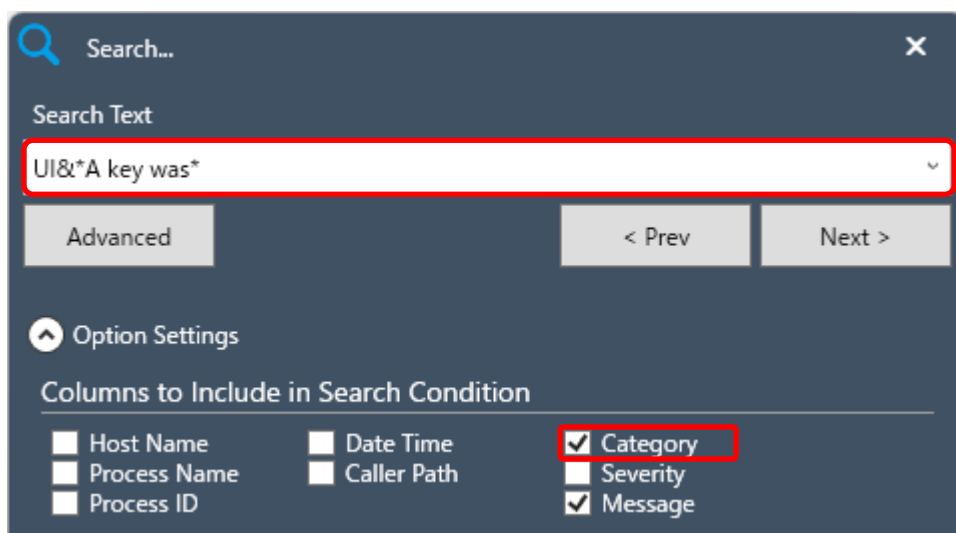
2.8.3.1. Columns to Include in Search Condition

The text within columns with check marks is added to the search target. By default, only the **Message** column is included in the search.



Set the search condition to further match entries where the category is **APP** for the search conditions in Section [2.8.2 How to Enter Search](#).

In this case, check **Category** in [Columns to Include in Search Conditions] in the option settings, and enter the following:





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It will match as shown in the figure below.

Date time	Caller path	Category	Severity	
2025-08-13T21:50:33.854624	Void OnClick(System.E	SYSTEM	ERROR	This is Unit Test for Logging Foot. A key was pressed.
2025-08-13T21:50:38.057147	Void OnClick(System.E	EVENT	NOTICE	This is Unit Test for Logging Foot. S key was pressed.
2025-08-13T21:50:44.451056	Void OnClick(System.E	STEP	NON	This is Unit Test for Logging Foot. D key was pressed.
2025-08-13T21:50:50.596779	Void OnClick(System.E	NON	FATAL	This is Unit Test for Logging Foot. F key was pressed.
2025-08-13T21:50:54.672461	Void OnClick(System.E	UI	NOTICE	This is Unit Test for Logging Foot. A key was pressed.
2025-08-13T21:50:57.817089	Void OnClick(System.E	EVENT	WARNING	This is Unit Test for Logging Foot. S key was pressed.

2.8.3.2. Token Delimiter

You can use condition delimiters and wildcards in the Search String Input Box.

These condition delimiter and wildcard characters can be changed to any characters.

Token Delimiter

OR Separator

|

Wildcard

*

AND Separator

&

<Wildcard>

The portion specified with a wildcard matches any characters.

For example, when searching for the log **“This is Unit Test for Logging Foot. A key was pressed.”**, the input string shown in the figure below will not match. This is because the text **“This is Unit Test for Logging Foot.”** precedes **“A key was”**, and **“pressed.”** follows it.

Search...

Search Text

A key was

Advanced

< Prev

Next >

To make this match, set wildcard characters before and after the string.

Search...

Search Text

A key was

Advanced

< Prev

Next >



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<OR Condition delimiter, AND Condition delimiter>

When both the OR condition delimiter and the AND condition delimiter are used in the Search String Input Box, the AND delimiter is evaluated with higher priority.

As shown in the figure below, the logs that will match are as follows:

1. Rows containing **APP**
2. Rows containing **EVENT**
3. Rows containing both **UI** and ***A key was***

Search...

Search Text

APP|EVENT|UI&*A key was*

Advanced < Prev Next >

Option Settings

Columns to Include in Search Condition

☐ Host Name ☐ Date Time ☒ Category
☐ Process Name ☐ Caller Path ☐ Severity
☐ Process ID ☒ Message

Token Delimiter

OR Separator | Wildcard *


AND Separator &

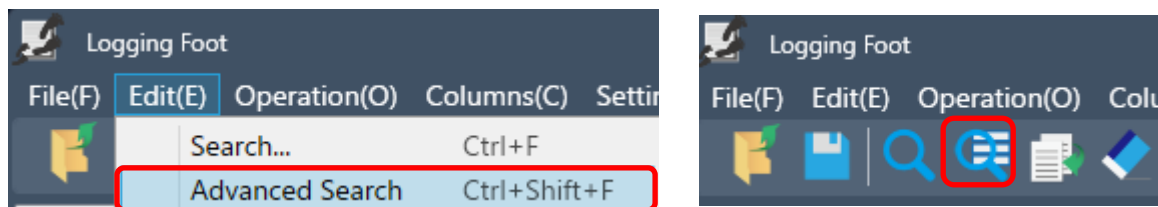
The rows shown in the figure below will match.

Date time	Caller path	Category	Severity	
2025-08-13T21:50:33.854624	Void OnClick(System.E	SYSTEM	ERROR	This is Unit Test for Logging Foot. A key was pressed.
2025-08-13T21:50:38.057147	Void OnClick(System.E	EVENT	NOTICE	This is Unit Test for Logging Foot. S key was pressed.
2025-08-13T21:50:44.451056	Void OnClick(System.E	STEP	NON	This is Unit Test for Logging Foot. D key was pressed.
2025-08-13T21:50:50.596779	Void OnClick(System.E	NON	FATAL	This is Unit Test for Logging Foot. F key was pressed.
2025-08-13T21:50:54.672461	Void OnClick(System.E	UI	NOTICE	This is Unit Test for Logging Foot. A key was pressed.
2025-08-13T21:50:57.817089	Void OnClick(System.E	EVENT	WARNING	This is Unit Test for Logging Foot. S key was pressed.
2025-08-13T21:51:00.838330	Void OnClick(System.E	COMM	ERROR	This is Unit Test for Logging Foot. D key was pressed.
2025-08-13T21:51:08.348865	Void OnClick(System.E	USER	FATAL	This is Unit Test for Logging Foot. F key was pressed.
2025-08-13T21:51:21.703479		_LOG_	_INF_	Logging Server detected disconnection.
2025-08-13T23:11:21.411163		_LOG_	_INF_	Logging Server accepted request.
2025-08-13T23:11:43.747706	Void OnClick(System.E	NON	WARNING	This is load Test for Logging Foot. A key was pressed.
2025-08-13T23:11:49.725856	Void OnClick(System.E	EVENT	FATAL	This is load Test for Logging Foot. S key was pressed.
2025-08-13T23:11:52.602082	Void OnClick(System.E	EVENT	ERROR	This is load Test for Logging Foot. D key was pressed.
2025-08-13T23:11:59.086308	Void OnClick(System.E	DEBUG	FATAL	This is load Test for Logging Foot. F key was pressed.
2025-08-13T23:12:04.963840	Void OnClick(System.E	USER	WARNING	This is load Test for Logging Foot. A key was pressed.
2025-08-13T23:12:10.728084	Void OnClick(System.E	APP	NOTICE	This is load Test for Logging Foot. S key was pressed.



2.9. Performing Advanced Search

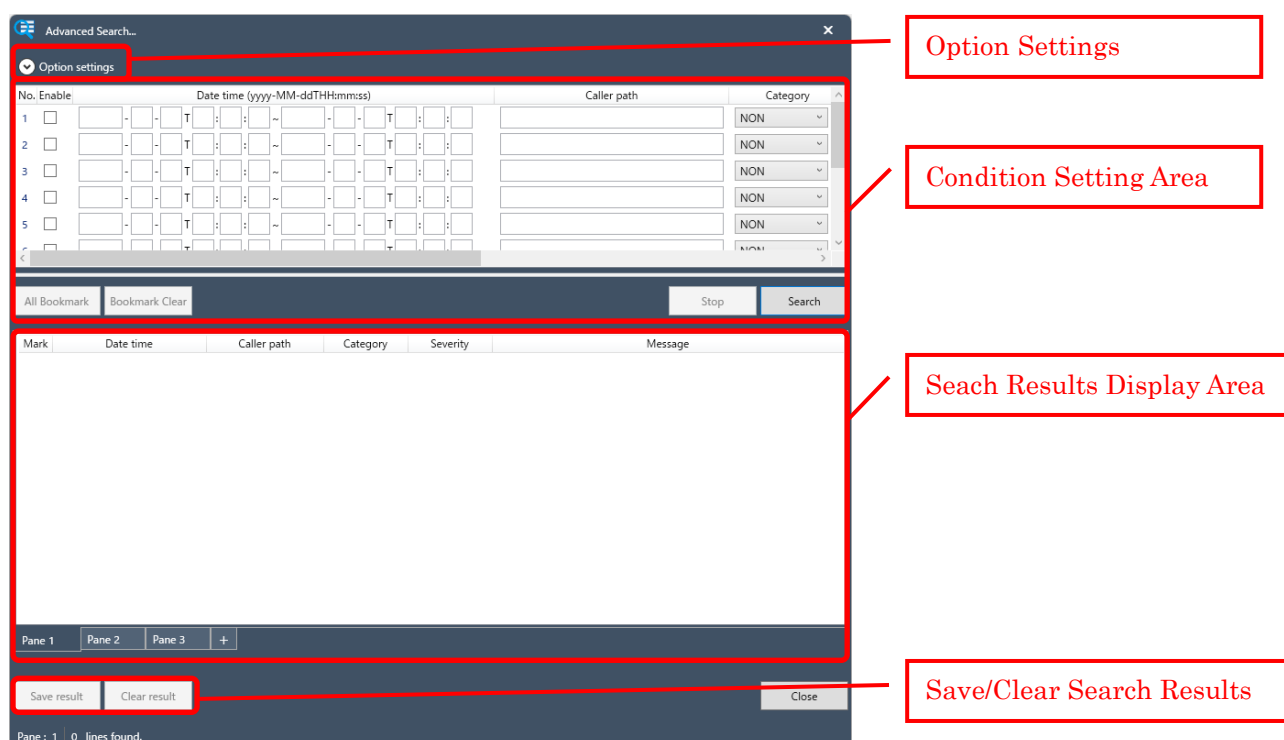
Selecting [**Edit (E) > Advanced Search**] from the main menu, clicking the corresponding toolbar icon , or pressing the **Advanced** button in the Search dialog opens a window for performing an advanced search.



When opening the Advanced Search window from the Search dialog.



2.9.1. Description of the advanced search window





Viewer application Operation guide

Log search performs an exact match between the text in the columns specified as search targets and the search string entered, as described in Section **2.8.1 Description of the Search Window**. Half-width and full-width characters, as well as uppercase and lowercase letters, are treated as distinct characters.

GUI	Description
Option Settings	Expands or hides the detailed settings in the Search Condition Settings area. Refer to Section 2.9.2 Option Settings .
Condition Settings Area	You can specify search conditions for each column. Up to 10 conditions can be set, from No.1 to No.10. Refer to Section 2.9.3 Search Condition Setting Area .
Search Results Display Area	Displays the rows that match the search conditions in a list. The display is applied to the currently selected Pane tab. Pane tabs can be added or removed. Refer to Section 2.9.4 Search Results Display Area .
Save Search Results	Saves the search results of the selected Pane. The results can be saved in the following formats: - CSV log file (.csv) - Logging Foot dedicated file (.ftlog) Refer to Section 2.4 Saving or Reading Log Files .
Clear Search Results	Clears the search results of the selected Pane.

2.9.2. Option Settings

Clicking [Option Settings] opens the settings items as shown in the figure below.

Advanced Search...

Option Settings

Column Matching Condition

Partial Match

Token Delimiter

OR Separator | Wildcard *

AND Separator &

Column Visibility

☐ Host Name ☒ Date Time ☒ Category

☐ Process Name ☒ Caller Path ☒ Severity

☐ Process ID ☒ Message

Reset to Default

No.	Enable	Date Time (yyyy-MM-ddTHH:mm:ss)	Caller Path	Category
1	<input type="checkbox"/>			NON
2	<input type="checkbox"/>			NON
3	<input type="checkbox"/>			NON
4	<input type="checkbox"/>			NON



Viewer application Operation guide

GUI	Description
Column Matching Condition	<p>This option allows you to select the method of combining columns, either OR or AND. For example, if the Category column contains “STEP” and the Severity column contains “INFO,” the behavior will be as follows:</p> <ul style="list-style-type: none"> - Partial match: Matches rows where the Category is “STEP” or the Severity is “INFO.” - Exact match: Matches rows where the Category is “STEP” and the Severity is “INFO.”
Token Delimiter	<p>You can use condition delimiters and wildcards in the Search String Input Box.</p> <p>These condition delimiter characters and wildcard characters can be changed to any characters.</p>
Column Visibility	Shows or hides columns in the Search Condition Settings area and the Search Results Display area. Hidden columns are also included in the search target.
Reset to Default Button	Sets the [Column Matching Condition] and [Token Delimiter] items in Option Settings to the application-specific default values.

2.9.3. Search Condition Setting Area

You can set search conditions for each column.

If an input box is left blank, that column is excluded from the search target.

For columns other than the Date/Time column, condition delimiters and wildcards can be used in the input boxes.

Note: If any non-numeric characters are entered in the Date/Time column's input box, it will be treated as blank and excluded from the search target.

The screenshot shows the 'Advanced Search...' dialog box with the 'Option Settings' tab selected. The dialog contains a table with the following columns: 'No.', 'Enable', 'Host Name', 'Process Name', 'PID', and 'Date Time (yyyy-MM-ddTHH:mm:ss)'. The 'Date Time' column is highlighted with a red border. The table has 5 rows, each with an 'Enable' checkbox and input fields for the other columns. At the bottom of the dialog, there are buttons for 'Bookmark All', 'Clear Bookmarks', 'Stop', and 'Search'.



Viewer application Operation guide

(The figure below shows the right-scrolled view of the above figure.)

The screenshot shows the 'Advanced Search...' dialog box. It has a title bar with a close button. Below the title bar is a section labeled 'Option Settings'. The main area contains four columns: 'Caller Path', 'Category', 'Severity', and 'Message'. Each column has a text input field and a dropdown menu. The 'Category' and 'Severity' dropdowns are set to 'NON'. At the bottom, there are buttons for 'Bookmark All', 'Clear Bookmarks', 'Stop', and 'Search'. The 'Stop' and 'Search' buttons are highlighted with red boxes.

GUI	Description
No Column	This is the number that identifies the search condition. Search conditions can be set from No.1 to No.10.
Enable Column	Checking the box includes that row in the search target.
Host Name Column	Enter the name of the PC to search.
Process Name Column	Enter the process name to search.
PID Column	Enter the process ID to search.
Date Time Column	Enter the log date/time to search. The year, month, day, hour, minute, and second can be specified (fractional seconds cannot be specified).
Caller Path Column	Enter the caller function or method name to search.
Category Column	From the drop-down list, select the category to search. Selecting NON will exclude it from the search target.
Severity Column	From the drop-down list, select the severity to search. Selecting NON will exclude it from the search target.
Message Column	Enter the message to search.
Search Button	Starts the search using the settings configured in the Search Condition Settings area. While searching, screen operations are disabled.
Stop Button	Stops the search.



Viewer application Operation guide

2.9.4. Search Results Display Area

Search results can be retained for each Pane, with up to 10 Panes retained simultaneously.

GUI	Description
Search Results Display Area	Displays the logs that match the search conditions in a list. Rows selected and highlighted in this screen are also highlighted in the Logging View on the main screen.
All Bookmark Button	Sets bookmarks in the Mark column for all rows in the search results. Bookmarks set on this screen are also reflected in the Mark column on the main screen (Refer to Section 2.1 How to View the Main Screen)
Bookmark Clear Button	Clears all bookmarks that have been set. Bookmarks reflected on the main screen are also cleared.
Bookmark Display Column	Clicking allows you to set or remove a bookmark. Bookmarks set or removed are also reflected on the main screen.
Pane Tab	Selects the Pane from which to output the search result logs.
Pane Tab on Mouse	Hovering the mouse over a Pane tab displays a X button. Pressing this button deletes the Pane. Pane 1 cannot be deleted.
Pane Tab Additional Button	Adds a Pane. Up to 10 Panes can be added.



2.10. Pausing and Resuming Logging


When this application is launched, the logging state is set to **[Logging]**, which means it can receive log output from clients. When logs are output from the client side, they are displayed in real time in the Logging View shown in Section [2.1 How to View the Main Screen](#).

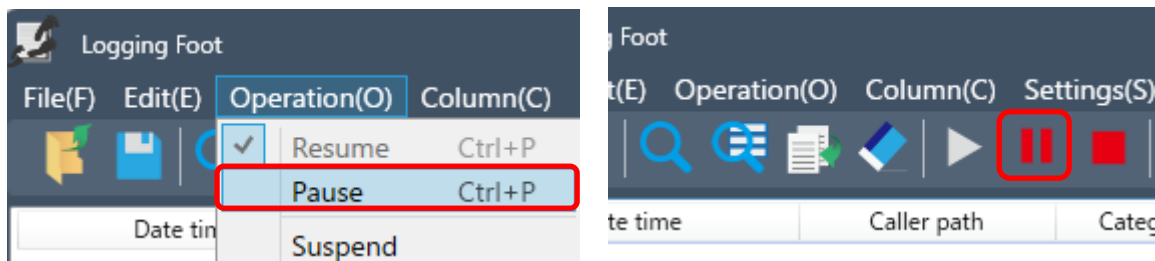
Logging can be temporarily paused, stopped, or resumed.

2.10.1. Pausing Logging

When the logging state shown in Section [2.1 How to View the Main Screen](#) is **[Logging]**, logging can be temporarily paused. Pausing stops the display updates in the Logging View, but logs from client processes are still received, so output to the log file continues.

To pause logging, select **[Operation (O) > Pause]** from the main menu or click the corresponding

toolbar icon . The logging state will change to **[Pausing]**.

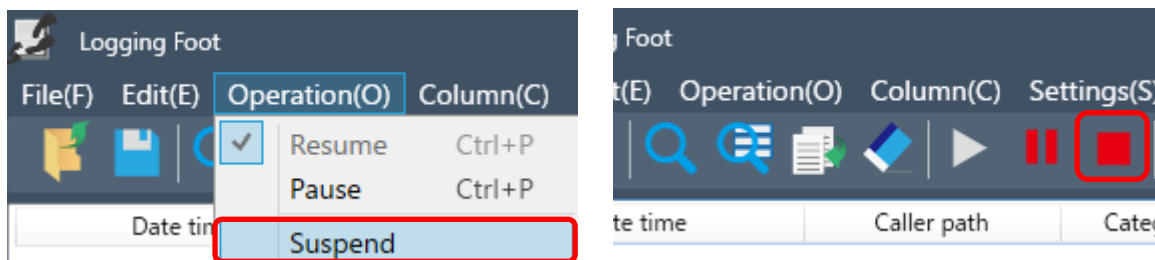


2.10.2. Suspending Logging

When the logging state shown in Section [2.1 How to View the Main Screen](#) is **[Logging]**, logging can be stopped. Unlike pausing, stopping halts the reception of logs from client processes, and output to the log file is also stopped.

To stop logging, select **[Operation (O) > Suspend]** from the main menu or click the

corresponding toolbar icon . The logging state will change to **[Suspend]**.

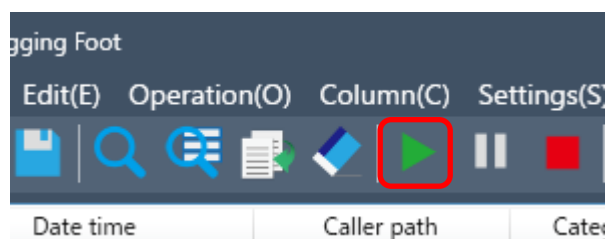
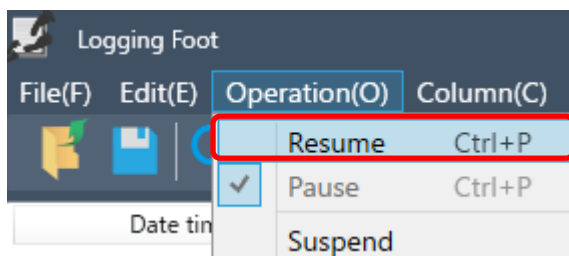




2.10.3. Resuming Logging

When the logging state shown in Section [2.1 How to View the Main Screen](#) is [Pausing], [Suspend], or [Logging file], logging can be resumed.

To resume logging, select [Operation (O) > Resume] from the main menu or click the corresponding toolbar icon

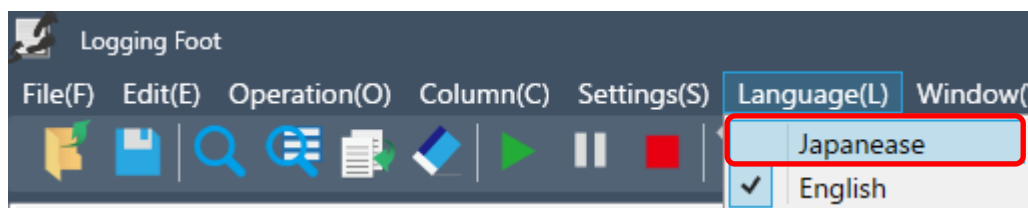


2.11. Changing the Display Language

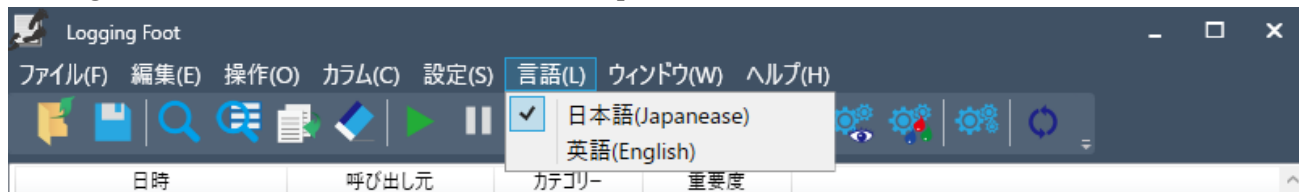
This application supports both English and Japanese.

At the first launch after application installation, if no prior configuration has been made using [2.14.4.2 Setup Parameter File](#), the application starts in Japanese when the OS locale is set to Japanese; otherwise, it starts in English.

Selecting [Language (L) > English] from the main menu switches the application's interface to Japanese.




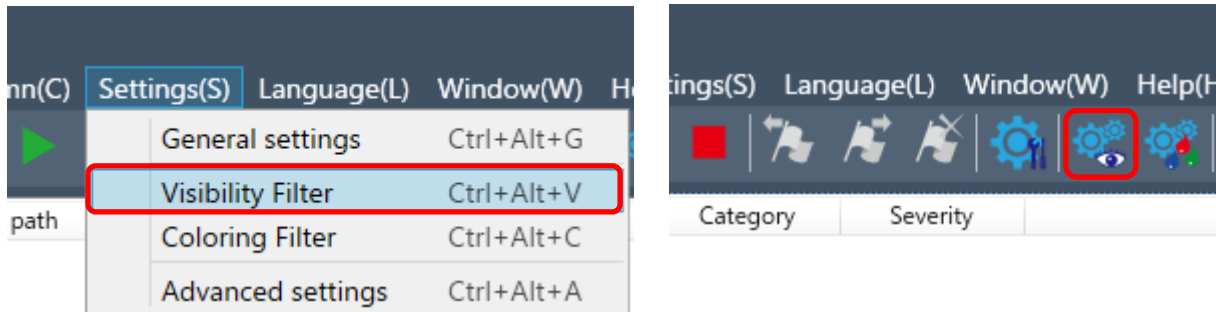
The figure below shows the interface with Japanese selected.



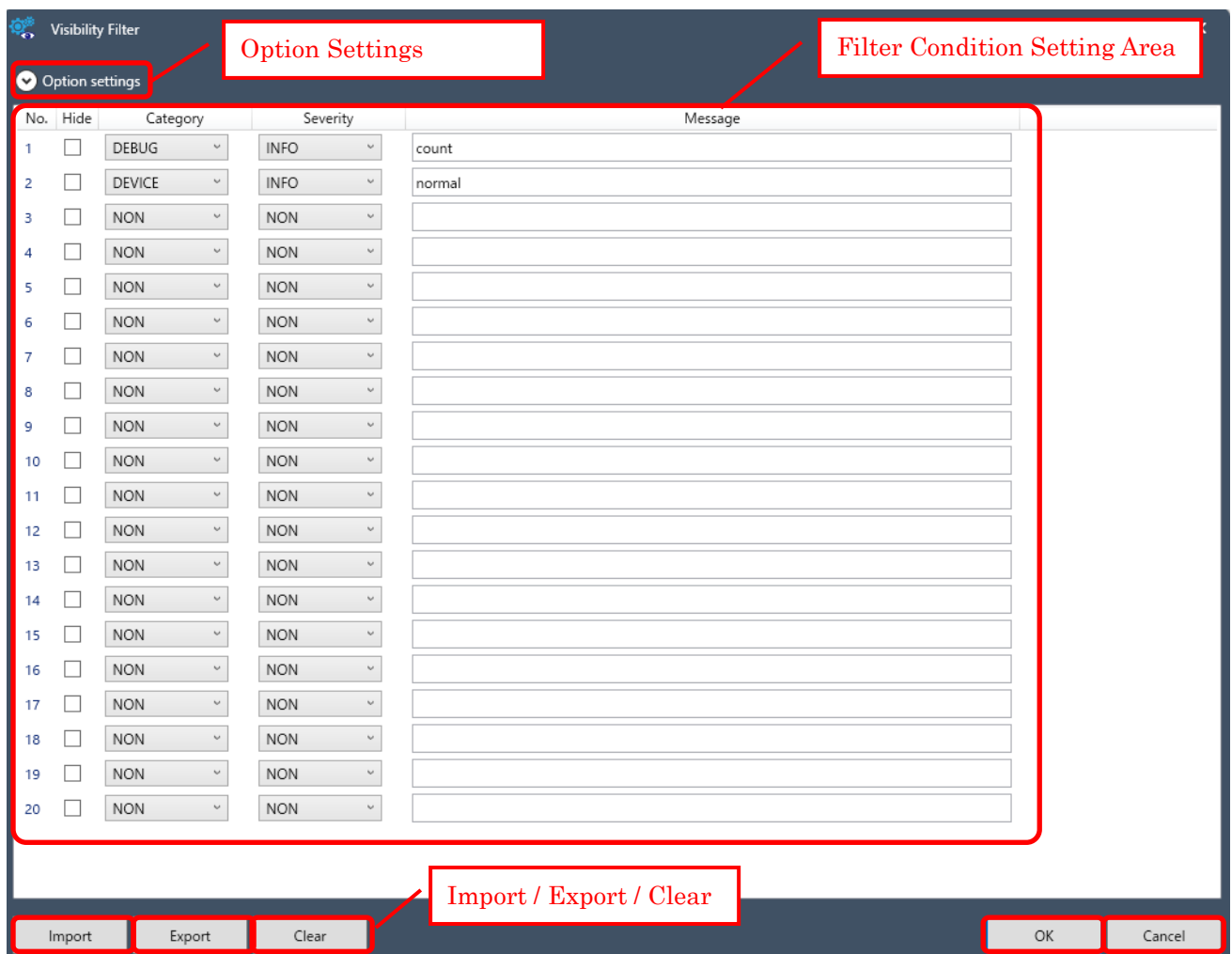


2.12. Using Visibility Filter

Selecting [**Settings (S) > Visibility Filter**] from the main menu or clicking the corresponding toolbar icon  opens the Visibility Filter Settings window. The visibility filter hides rows in the main screen Logging View that match the specified conditions.



2.12.1. Description of The Visibility Filter Setting Window





Viewer application Operation guide

GUI	Description
Option Settings	Expands or hides the detailed settings in the Filter Condition Settings area. Refer to Section 2.12.2 Option Settings
Filter Condition Setting Area	You can specify filter conditions for each column. Up to 20 conditions can be set, from No.1 to No.20. Refer to Section 2.12.3 Filter Condition Setting Area .
Import Button	Loads a visibility filter settings file (.vfcnd) saved via export.
Export Button	Saves the settings in the Filter Condition Settings area as a visibility filter settings file (.vfcnd).
Clear Button	Clears the settings in the Filter Condition Settings area. Closing this window with the [OK] button confirms the clearing of settings.
OK Button	Confirms the settings in the Filter Condition Settings area and any changes to [Column Matching Condition] and [Token Delimiter] in Option Settings, then closes the window.
Cancel Button	Discards the settings in the Filter Condition Settings area and any changes to [Column Matching Condition] and [Token Delimiter] in Option Settings, then closes the window.

2.12.2. Option Settings

Clicking [Option Settings] opens the settings items as shown in the figure below.

Visibility Filter

Option Settings

Column Matching Condition: Partial Match

Token Delimiter: OR Separator |, AND Separator &, Wildcard *

Column Visibility: ☐ Host Name, ☐ Process Name, ☐ Process ID, ☐ Date Time, ☐ Caller Path, ☒ Category, ☒ Severity, ☒ Message

Reset to Default

No.	Hidden	Category	Severity	Message
1	<input type="checkbox"/>	NON	NON	
2	<input type="checkbox"/>	NON	NON	
3	<input type="checkbox"/>	NON	NON	
4	<input type="checkbox"/>	NON	NON	
5	<input type="checkbox"/>	NON	NON	
6	<input type="checkbox"/>	NON	NON	
7	<input type="checkbox"/>	NON	NON	



Viewer application Operation guide

GUI	Description
Column Matching Condition	<p>This option allows you to select how columns are combined, either OR or AND. For example, if the Category column contains “STEP” and the Severity column contains “INFO,” the behavior is as follows:</p> <ul style="list-style-type: none">- Partial Match: Matches rows where the Category is “STEP” or the Severity is “INFO.”- Exact Match: Matches rows where the Category is “STEP” and the Severity is “INFO.”
Token Delimiter	<p>Condition delimiters and wildcards can be used in the following input boxes:</p> <ul style="list-style-type: none">- Host Name- Process Name- Process ID- Caller- Message <p>These condition delimiter characters and wildcard characters can be changed to any desired characters.</p>
Column Visibility	<p>Shows or hides columns in the Filter Condition Settings area. Columns that are hidden are still included in the search target.</p>
Reset to Default Button	<p>Sets the [Column Matching Condition] and [Token Delimiter] items in Option Settings to the application-specific default values.</p>

2.12.3. Filter Condition Setting Area

You can set filter conditions for each column.

If an input box is left blank, that column is excluded from the filter target.

For input boxes that support condition delimiters and wildcards as described in Section **2.12.2 Option Settings** these features can be used.

Note: If any non-numeric characters are entered in the Date/Time column's input box, it will be treated as blank and excluded from the filter target.



Viewer application Operation guide

Visibility Filter

Option Settings

No.	Hidden	Host Name	Process Name	PID	Date Time (yyyy-MM-ddTHH:mm:ss)	Caller Path
1	<input type="checkbox"/>				- - - T : : ~ - - - T : : :	
2	<input type="checkbox"/>				- - - T : : ~ - - - T : : :	
3	<input type="checkbox"/>				- - - T : : ~ - - - T : : :	
4	<input type="checkbox"/>				- - - T : : ~ - - - T : : :	
5	<input type="checkbox"/>				- - - T : : ~ - - - T : : :	

(The figure below shows the view of the above figure scrolled to the right.)

Visibility Filter

Option Settings


Caller Path	Category	Severity	Message
	NON	NON	
	NON	NON	
	NON	NON	
	NON	NON	
	NON	NON	

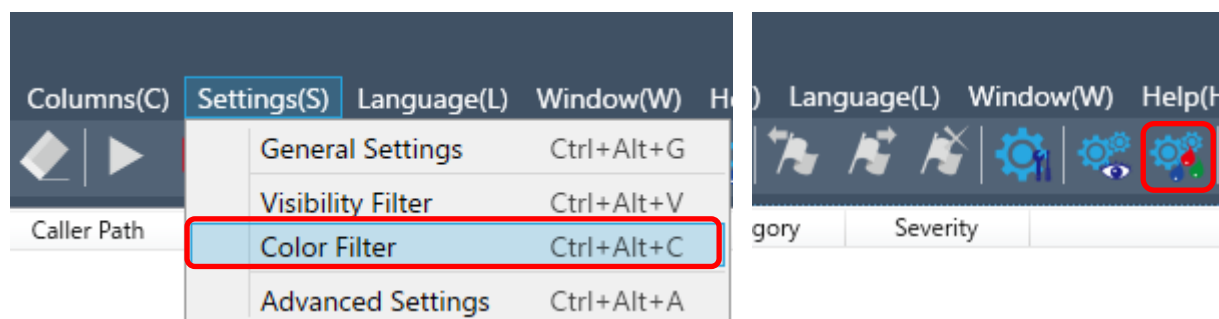
GUI	Description
No Column	This is the number that identifies the search condition. Search conditions can be set from No.1 to No.20.
Hide Column	Checking the box includes that row in the filter target.
Host Name Column	Enter the name of the PC to search.
Process Name Column	Enter the process name to search.
PID Column	Enter the process ID to search.
Date Time Column	Enter the log date/time to search. The year, month, day, hour, minute, and second can be specified (fractional seconds cannot be specified).
Caller Path Column	Enter the caller function or method name to search.
Category Column	Select the category to filter from the drop-down list. Selecting NON excludes it from the filter target.
Severity Column	Select the severity to filter from the drop-down list. Selecting NON excludes it from the filter target.
Message Column	Enter the message to filter.



2.13. Using Color Filter

Selecting [Settings (S) > Color Filter] from the main menu or clicking the corresponding toolbar

icon  opens the Color Filter Settings window. The color filter displays rows in the main screen Logging View that match the specified conditions using the configured colors.



2.13.1. Description of the Color Filter Setting Window





Viewer application Operation guide

GUI	Description
Option Settings	Expands or hides the detailed settings in the Filter Condition Settings area. Refer to Section 2.13.2 Option Settings .
Filter Condition Setting Area	You can specify filter conditions for each column. Up to 20 conditions can be set, from No.1 to No.20. Refer to Section 2.13.3 Filter Condition Setting Area .
Import Button	Loads a color filter settings file (.cfnd) saved via export.
Export Button	Saves the settings in the Filter Condition Settings area as a color filter settings file (.cfnd).
Clear Button	Clears the settings in the Filter Condition Settings area. Closing this window with the [OK] button confirms the clearing of settings.
OK Button	Confirms the settings in the Filter Condition Settings area and any changes to [Column Matching Condition] and [Token Delimiter] in Option Settings, then closes the window.
Cancel Button	Discards the settings in the Filter Condition Settings area and any changes to [Column Matching Condition] and [Token Delimiter] in Option Settings, then closes the window.

2.13.2. Option Settings

By clicking [Option Settings], the configuration items will be displayed as shown in the figure below.

Color Filter

Option Settings

Column Matching Condition

Partial Match

Token Delimiter

OR Separator | Wildcard

AND Separator &

Column Visibility

☐ Host Name ☐ Date Time ☒ Category

☐ Process Name ☐ Caller Path ☒ Severity

☐ Process ID ☒ Message

Reset to Default

No.	Enable	Back Color	Fore Color	Category	Severity	Message
1	<input type="checkbox"/>			NON	NON	
2	<input type="checkbox"/>			NON	NON	
3	<input type="checkbox"/>			NON	NON	
4	<input type="checkbox"/>			NON	NON	
5	<input type="checkbox"/>			NON	NON	



Viewer application Operation guide

GUI	Description
Column Matching Condition	<p>This option allows you to select how columns are combined, either OR or AND. For example, if the Category column contains “STEP” and the Severity column contains “INFO,” the behavior is as follows:</p> <ul style="list-style-type: none"> - Partial Match: Matches rows where the Category is “STEP” or the Severity is “INFO.” - Exact Match: Matches rows where the Category is “STEP” and the Severity is “INFO.”
Token Delimiter	<p>Condition delimiters and wildcards can be used in the following input boxes:</p> <ul style="list-style-type: none"> - Host Name - Process Name - Process ID - Caller - Message <p>These condition delimiter characters and wildcard characters can be changed to any desired characters.</p>
Column Visibility	<p>Shows or hides columns in the Filter Condition Settings area.</p> <p>Columns that are hidden are still included in the search target.</p>
Reset to Default Button	<p>Sets the [Column Matching Condition] and [Token Delimiter] items in Option Settings to the application-specific default values.</p>

2.13.3. Filter Condition Setting Area

You can set filter conditions for each column.

If an input box is left blank, that column is excluded from the filter target.

For input boxes that support condition delimiters and wildcards as described in Section **2.13.2 Option Settings** these features can be used.

Note: If any non-numeric characters are entered in the Date/Time column's input box, it will be treated as blank and excluded from the filter target.


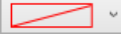
No	Enable	Back Color	Fore Color	Host Name	Process Name	PID	Date Time (yyyy-MM-ddTHH:mm:ss)
1	<input checked="" type="checkbox"/>	 	 				
2	<input checked="" type="checkbox"/>	 	 				
3	<input type="checkbox"/>	 	 				
4	<input type="checkbox"/>	 	 				
5	<input type="checkbox"/>	 	 				



Viewer application Operation guide


(The figure below shows the view of the above figure scrolled to the right.)

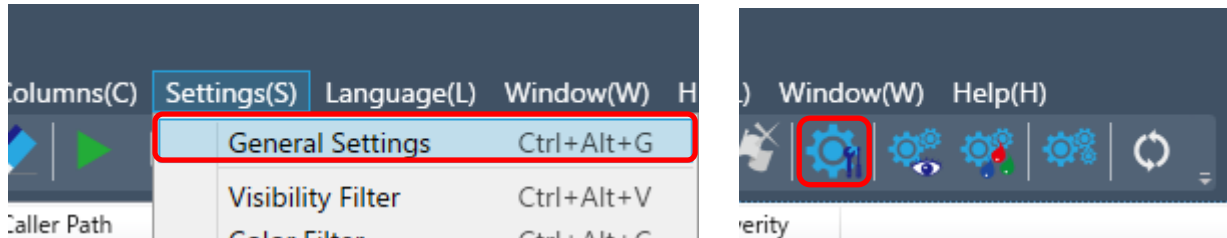
Caller Path	Category	Severity	Message
	APP	NOTICE	
	SYSTEM	WARNING	
	NON	NON	
	NON	NON	
	NON	NON	

GUI	Description
No Column	This is the number that identifies the search condition. Search conditions can be set from No.1 to No.20.
Enable Column	Checking the box includes that row in the filter target.
Back Color Column	Sets the background color for log lines. If  is selected, no color will be applied.
Fore Color Column	Sets the foreground color for log lines. If  is selected, no color will be applied. (In this case, the text will become invisible.)
Host Name Column	Enter the name of the PC to search.
Process Name Column	Enter the process name to search.
PID Column	Enter the process ID to search.
Date Time Column	Enter the log date/time to search. The year, month, day, hour, minute, and second can be specified (fractional seconds cannot be specified).
Caller Path Column	Enter the caller function or method name to search.
Category Column	Select the category to filter from the drop-down list. Selecting NON excludes it from the filter target.
Severity Column	Select the severity to filter from the drop-down list. Selecting NON excludes it from the filter target.
Message Column	Enter the message to filter.



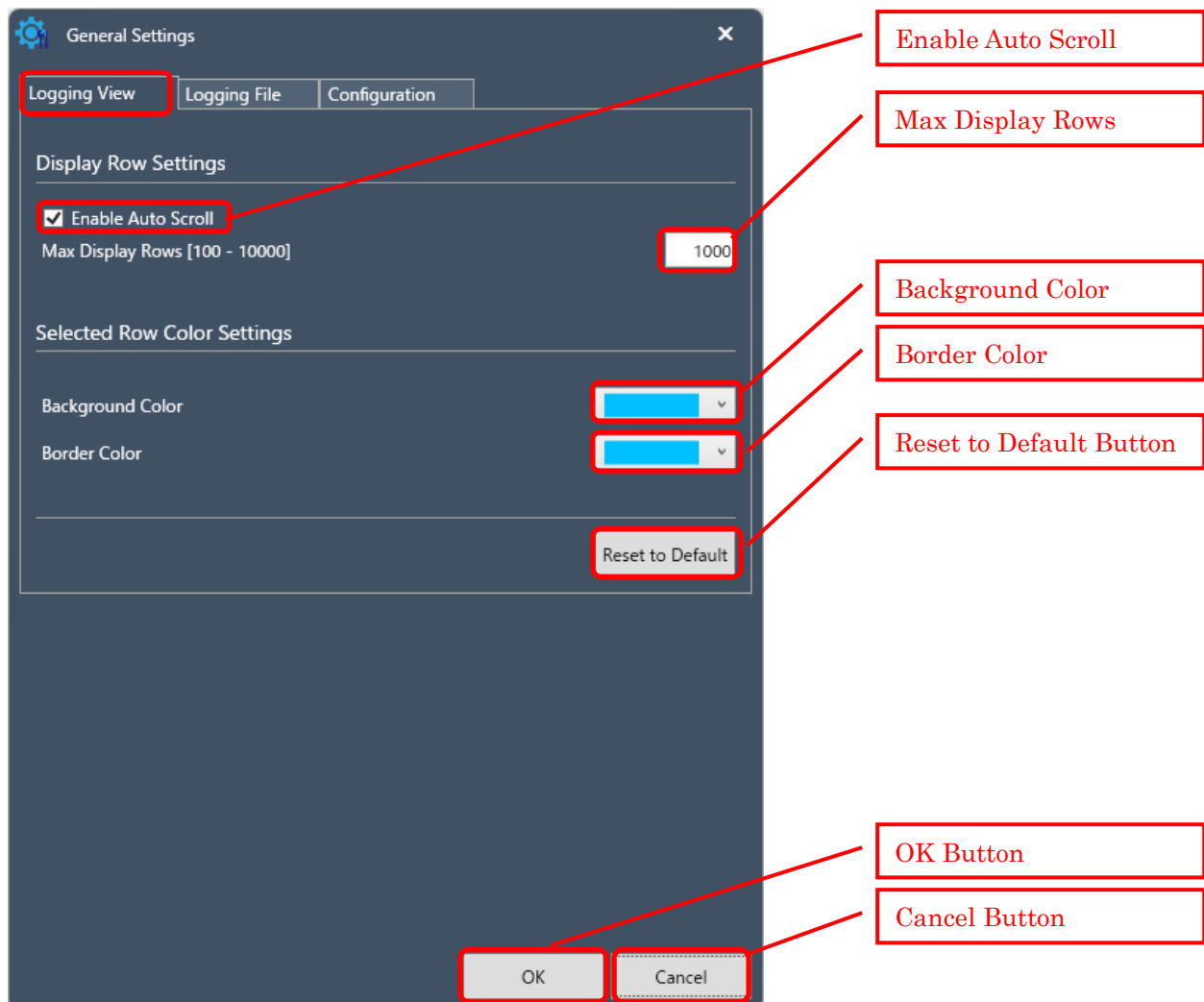
2.14. Configuring General Settings

Selecting [**Settings (S) > General Settings**] from the main menu, or selecting the corresponding toolbar icon , opens the General Settings window, which allows you to configure various settings for this application.



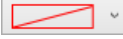

2.14.1. General Settings – Logging View Settings

Selecting the **Logging View** tab displays the configuration items related to the Logging View, as described in [2.1 How to View the Main Screen](#).





Viewer application Operation guide

GUI	Description
<u>Display Row Settings</u> Enable Auto Scroll	Configures the automatic scrolling of the Logging View. When the checkbox is enabled, the Logging View automatically scrolls to always display the last row.
<u>Display Row Settings</u> Max Display Rows	Configures the maximum number of log entries displayed in the Logging View. If the number of log entries exceeds the maximum, the oldest entries are deleted and new entries are appended.
<u>Selected Row Color Settings</u> Background Color	Configures the color of the selected row in the Logging View. By setting a color different from the one specified in the Color Filter, the selected row can be more easily distinguished. When a row resulting from a Color Filter is selected, the color configured in this setting takes precedence and is applied. If  is selected, the selected row will be displayed in white.
<u>Selected Row Color Settings</u> Border Color	Sets the border color of the selected row. Because the border color cannot be configured using the Color Filter, setting it to a color different from the selected row's background makes the selected row easier to identify. If  is selected, the border color will be white.
Reset to Default Button	Resets all items in this section to the application-specific default values.
OK Button	Confirms the changes and closes the window.
Cancel Button	Discards the changes and closes the window.



Viewer application Operation guide

2.14.2. General Settings – Logging File Settings

Selecting the **Logging File** tab displays the configuration items related to saving and loading logging files.

The screenshot shows the 'General Settings' dialog box with the 'Logging File' tab selected. The dialog is divided into three main sections: 'Current File Settings', 'Archiving File Settings', and 'Encoding Settings'. Each section contains input fields for file name and path, and a button to open the location. At the bottom, there is a 'Reset to Default' button, an 'OK' button, and a 'Cancel' button. Red boxes and arrows highlight these elements with labels: 'Current File Settings', 'Archiving File Settings', 'Encoding Settings', 'Reset to Default Button', 'OK Button', and 'Cancel Button'.

GUI	Description
Current File Settings	Sets the file name and save location for the current file. Refer to Section 2.14.2.1 Current File Setting .
Archiving File Settings	Set the size, file name, and save location for archiving the current file. Refer to Section 2.14.2.2 Archive File Setting .
Encoding Settings	Configures the encoding used when saving and loading logging files. Refer to Section 2.14.2.3 Encoding Settings .
Reset to Default Button	Resets all items in this section to the application-specific default values.



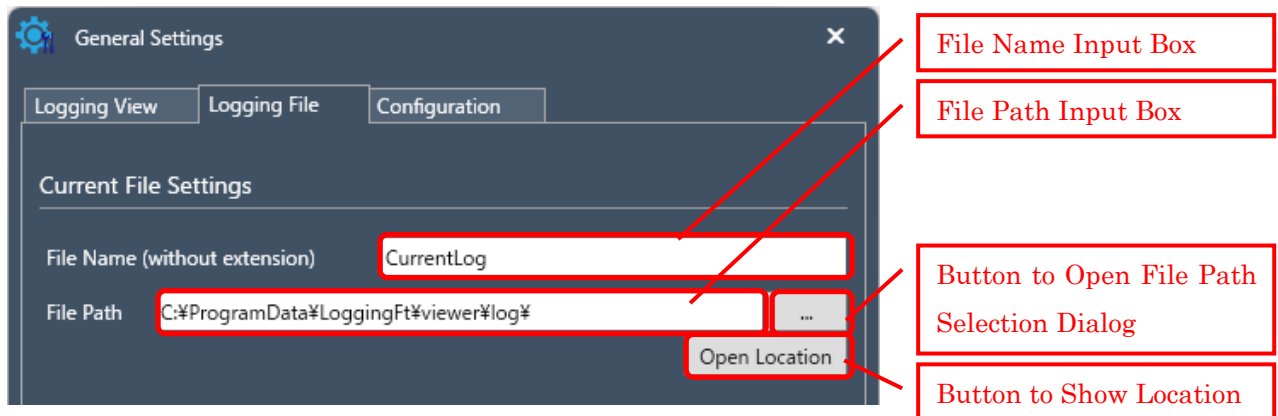
Viewer application Operation guide

OK Button	Confirms the changes and closes the window.
Cancel Button	Discards the changes and closes the window.

2.14.2.1. Current File Settings

Logs output from client processes are always saved as the current file in **.csv** format.

This section allows you to configure the current file name and save location.



GUI	Description
File Name Input Box	Enter the file name for the current file. The file extension is not required.
File Path Input Box	Enter the location where the current file will be saved. Normally, select and set this location using the file path selection dialog. Note: The default path C:/ProgramData/... is a hidden folder. If it is not visible, change the folder display settings.
Button to Open File Path Selection Dialog	A dialog for selecting the file path will be displayed.
Button to Show Location	The location specified in the file path input box will be opened in File Explorer.



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2.14.2.2. Archive File Setting

When a large volume of logs accumulates in the current file, the file size can become large and difficult to open. Therefore, if the file size exceeds a certain limit, it must be transferred to an archive file. The archive file is saved in **.csv** format.

Once the current file has been moved to an archive file, it will begin accumulating logs again from 0 bytes.

This section specifies the file size threshold for transferring the current file to an archive file, as well as the archive file name and storage location.

The screenshot shows the 'Archiving File Settings' dialog box. It contains the following fields and buttons:

- File Size Input Box:** A text input field for 'Archive File Size (1KB - 256MB)' with the value '2' and a unit dropdown set to 'MB'.
- Unit Selection Drop-Down:** A dropdown menu for selecting the unit of file size.
- File Name Input Box:** A text input field for 'File Name (without extension)' with the value 'ArchiveLog_'.
- File Path Input Box:** A text input field for 'File Path' with the value 'C:\ProgramData\LoggingFt\viewer\log\'. It includes a browse button (three dots) and an 'Open Location' button.
- Button to Open File Path Selection Dialog:** The browse button (three dots) next to the file path input box.
- Button to Show Location:** The 'Open Location' button at the bottom right of the dialog.

GUI	Description
File Size Input Box	Enter the file size at which the current file will be moved to an archive file. The configurable range is from 1 KB to 256 MB.
Unit Selection Drop-Down	Select the unit of file size at which the current file will be moved to an archive file. The available units are KB and MB.
File Name Input Box	Enter the file name for the archive file. The archive file will automatically have the date, time, and microseconds (6 digits) appended to the specified file name upon transfer. Example: ArchiveLog_20240212-112023-386146.csv
File Path Input Box	Enter the location where the archive file will be saved. Normally, select and set this location using the file path selection dialog. Note: The default path C:/ProgramData/... is a hidden folder. If it is not visible, change the folder display settings.
Button to Open File Path Selection Dialog	A dialog for selecting the file path will be displayed.
Button to Show Location	The location specified in the file path input box will be opened in File Explorer.



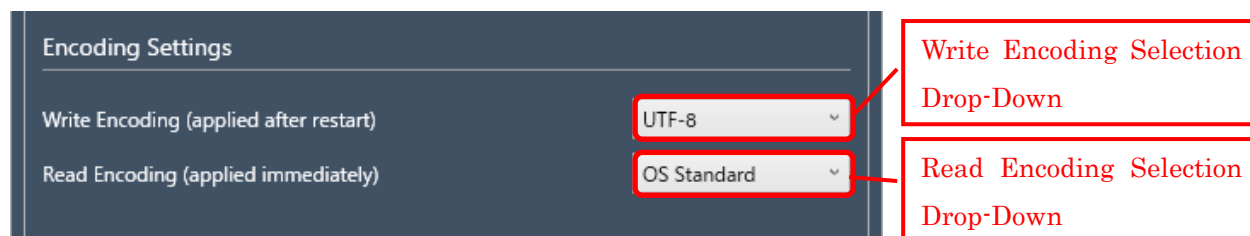
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2.14.2.3. Encoding Settings

Configures the encoding used when writing to and reading from logging files.

The available encodings are **OS standard**, **UTF-8**, and **UNICODE**.

For Japanese OS environments, **OS standard** typically defaults to **Shift-JIS**.

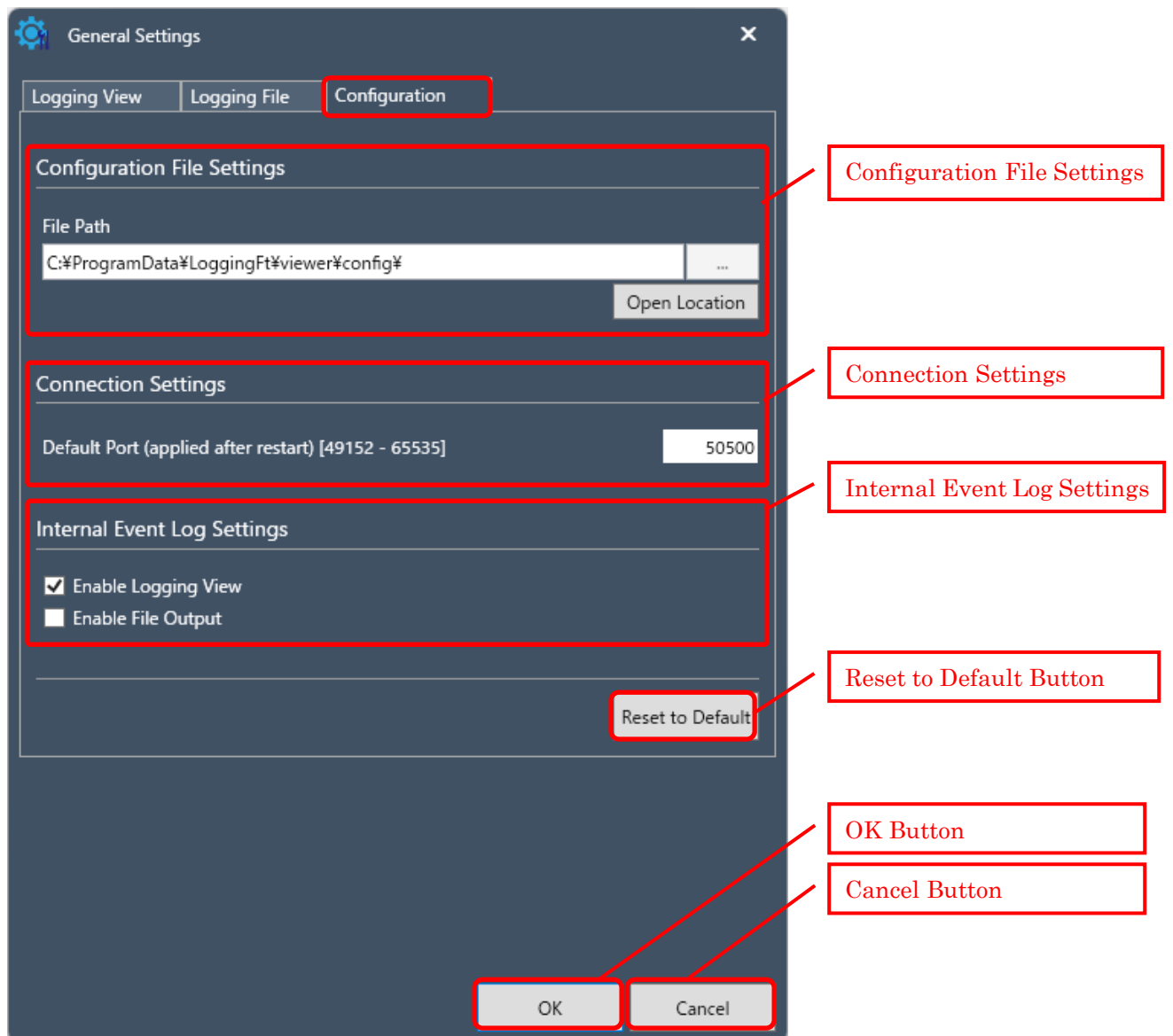


GUI	Description
Write Encoding Selection Drop-Down	Select the encoding used when logs output from client processes are saved to the current file. If changed, the setting will not take effect until the application is restarted.
Read Encoding Selection Drop-Down	Select the encoding to use when loading logging files in CSV format.



2.14.3. General Settings – Configuration Settings

Selecting the **Configuration** tab displays items such as the save locations of various application settings files and connection port settings.



GUI	Description
Configuration File Settings	Displays the storage location of the application's various configuration files. Refer to Section 2.14.3.1 Configuration File Settings
Connection Settings	Set the connection port number for the client process. Refer to Section 2.14.3.2 Connection Settings



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Internal Event Log Settings	Specifies whether to output events that occur within the application. Refer to Section 2.14.3.3 Internal Event Log Settings
Reset to Default Button	Resets all items in this section to the application-specific default values.
OK Button	Confirms the configuration changes and closes the window.
Cancel Button	Discards the configuration changes and closes the window.

2.14.3.1. Configuration File Settings

A configuration file is a file that stores various settings of this application.

This section displays the storage location of these files.

In the current version, the file path cannot be changed.

However, future improvements may allow changing the path to support multiple profiles.



GUI	Description
File Path	Sets the file name and save location for the current file.
Show Location Button	The location specified in the file path input box can be opened in File Explorer.



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2.14.3.2. Connection Settings

This application communicates with client processes via socket communication.

This section allows you to configure the communication port number.

After changing the setting, the application must be restarted.

Connection Settings

Default Port (applied after restart) [49152 - 65535]

Port Number Input Box

GUI	Description
Port Number Input Box	<p>Set the communication port number for client processes.</p> <p>When a client process starts logging, the port number specified in this section should be used as the API port number argument.</p> <p>Only consider changing this setting if it conflicts with port numbers used by other applications in your environment.</p>

2.14.3.3. Internal Event Log Settings

This setting configures whether internal events of the application such as the communication status with client processes are displayed or output to a file.

Displaying or outputting these internal events can assist in troubleshooting, for example, if the connection with a client process fails to establish properly.

Internal events are shown in the category and severity columns as strings enclosed with underscores, such as `_LOG_` or `_INFO_`.

Internal Event Log Settings

☒ Enable Logging View

☐ Enable File Output

GUI	Description
Enable Logging View	When this checkbox is enabled, internal events will be displayed in the logging view.
Enable File Output	When this checkbox is enabled, internal events will be output to the logging file (2.14.2General Settings – Logging File Settings)



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2.14.4. General Settings – Option Settings (Premium Features)

The **Option Settings** tab displays configuration items for when this application is launched from a client program (client-triggered launch). This feature is available only in the paid version.

In the free version, this feature is not displayed, and default values are applied. Additionally, in the trial version, this feature becomes unavailable once the trial period has expired.

General Settings

Logging View | Logging File | Configuration | **Option Settings**

Client Trigger Launch Settings

Window State: Hide to System Tray ▼

Always on Top Window: Normal ▼

Window Operation Lock: Unavailable ▼

Multiple Startup: Deny ▼

Setup Parameter File

Generate parameter file for setup program. [Output]

Authenticated License File

Location of Authenticated License File: C:\ProgramData\LoggingFt\system\license\ftv1_tr30_20250921195549.aut [Output]

[OK] [Cancel]

Client Trigger Launch Settings

Setup Parameter File

authenticated License File

OK Button

Cancel Button



GUI	Description
Client Trigger Lunch Settings	Configures various settings for when a client process launches this application. Refer to Section 2.14.4.1 Client Trigger Startup Settings
Setup Parameter File	Generates a parameter file to be passed to the setup program and outputs it to the specified location. Refer to Section 2.14.4.2 Setup Parameter File
Authenticated License File	Copies the displayed authenticated license file to the specified location. Refer to Section 2.14.4.3 Authenticated License File
OK Button	Confirms the changes and closes the window.
Cancel Button	Discards the changes and closes the window.

2.14.4.1. Client Trigger Startup Settings

Client-triggered launch refers to the scenario in which a client process of the user's program, incorporating the FTSDK API, launches this application. (For details, see the separate document *Software Installation Guide*.)

This section configures various behaviors of the application when it is launched via a client-triggered launch.

Client Trigger Launch Settings

Window State: Hide to System Tray

Always on Top Window: Normal

Window Operation Lock: Unavailable

Multiple Startup: Deny

Window State

Always on Top Window

Window Operation Lock

Multiple Startup

When **Window Operation Lock** is set to **Enabled**

Client Trigger Launch Settings

Window State: Hide to System Tray

Always on Top Window: Normal

Window Operation Lock: Available

Unlock Password: ●●●●

Multiple Startup: Deny

Window Operation Lock

Unlock Password Input Box



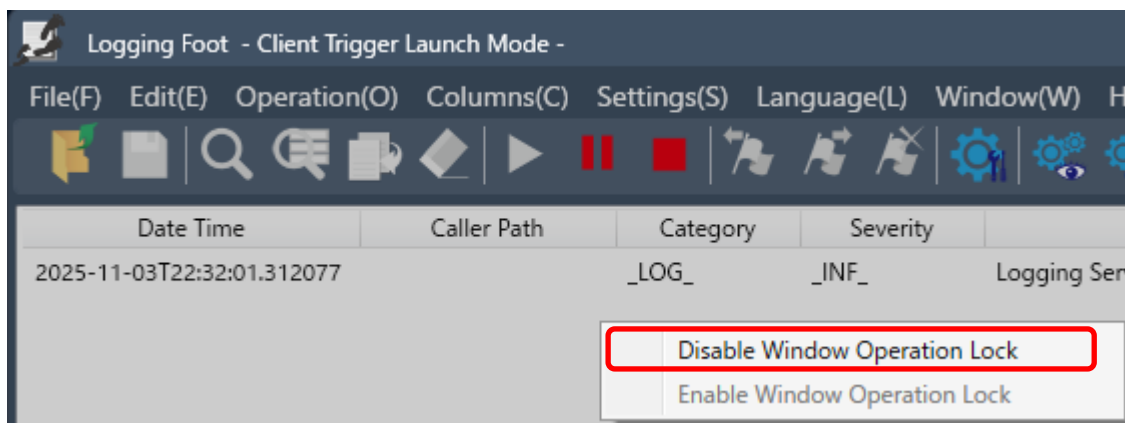
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GUI	Description
Window State Drop-Down	Sets the window state when the application starts.
Always on Top Window Drop-Down	Configures whether the application window is always displayed on top.
Window Operation Lock Drop-Down	Configures whether the application window is operable.
Window Operation Lock Drop-Down - Available	When Enabled is selected, a password entry box for unlocking window operations is displayed. Refer to <How to Unlock Window Operation> .
Unlock Password Input Box	Set the password used to unlock window operation.
Multiple Startup	Configure whether multiple instances are allowed when the application is already running and is launched via client-triggered launch.

<How to Unlock Window Operation>

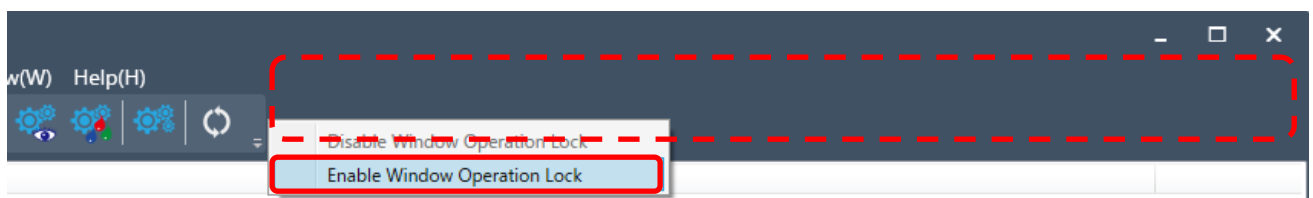
When the application is started with **Window Operation Lock enabled**, the entire window is displayed in a dimmed state as shown below.

Right-click anywhere on the window to open the context menu and select [**Disable Window Operation Lock**]. A password entry box will appear, where you must enter the unlock password set in this setting.



<How to Lock Window Operation>

When the **Window Operation Lock** is currently **unlocked**, right-click on a blank area of the window (red dashed rectangle area) and select [**Enable Window Operation Lock**] from the context menu.

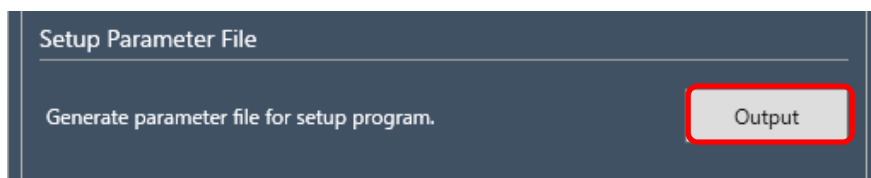




2.14.4.2. Setup Parameter File

A **Setup Parameter File** refers to a configuration file passed as an argument to the setup program when installing this application using the setup program. The setup parameter file stores the settings for [2.14.2 General Settings – Logging File Settings](#), [2.14.3 General Settings – Configuration Settings](#), [2.14.4.1 Client Trigger Startup Settings](#) and arbitrary string as a category registered in [2.15 Configuring Advanced Settings](#). When the application is installed using the setup program, it starts with these settings applied.

For more details about the setup program, please refer to the separate “**Setup Guide**” document.



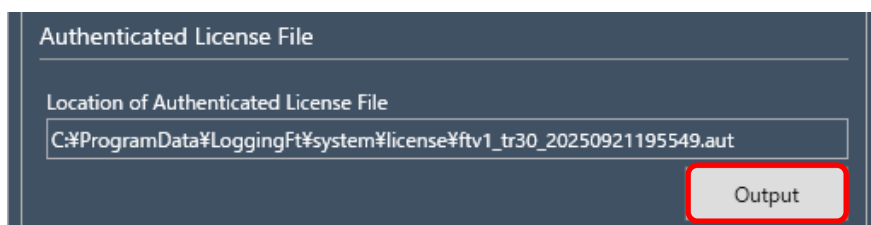
GUI	Description
Output Button	A dialog will be displayed to save the setup parameter file (*.setup).

2.14.4.3. Authenticated License File

To use the paid features of this software, you must purchase a license. Once the license is successfully registered, it is stored as an authenticated license file in the designated location shown below.

When transferring the software to another PC, press the "Retrieve" button to save the authenticated license file to media such as a USB drive. On the destination PC, register the authenticated license file saved on the media.


For details on license registration, refer to section [3.1 Register License](#).

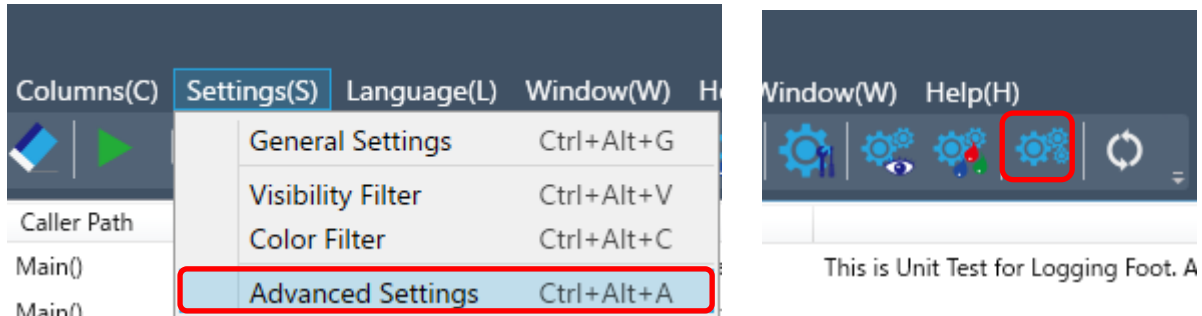


GUI	Description
Output Button	A dialog will be displayed to select the destination for saving.



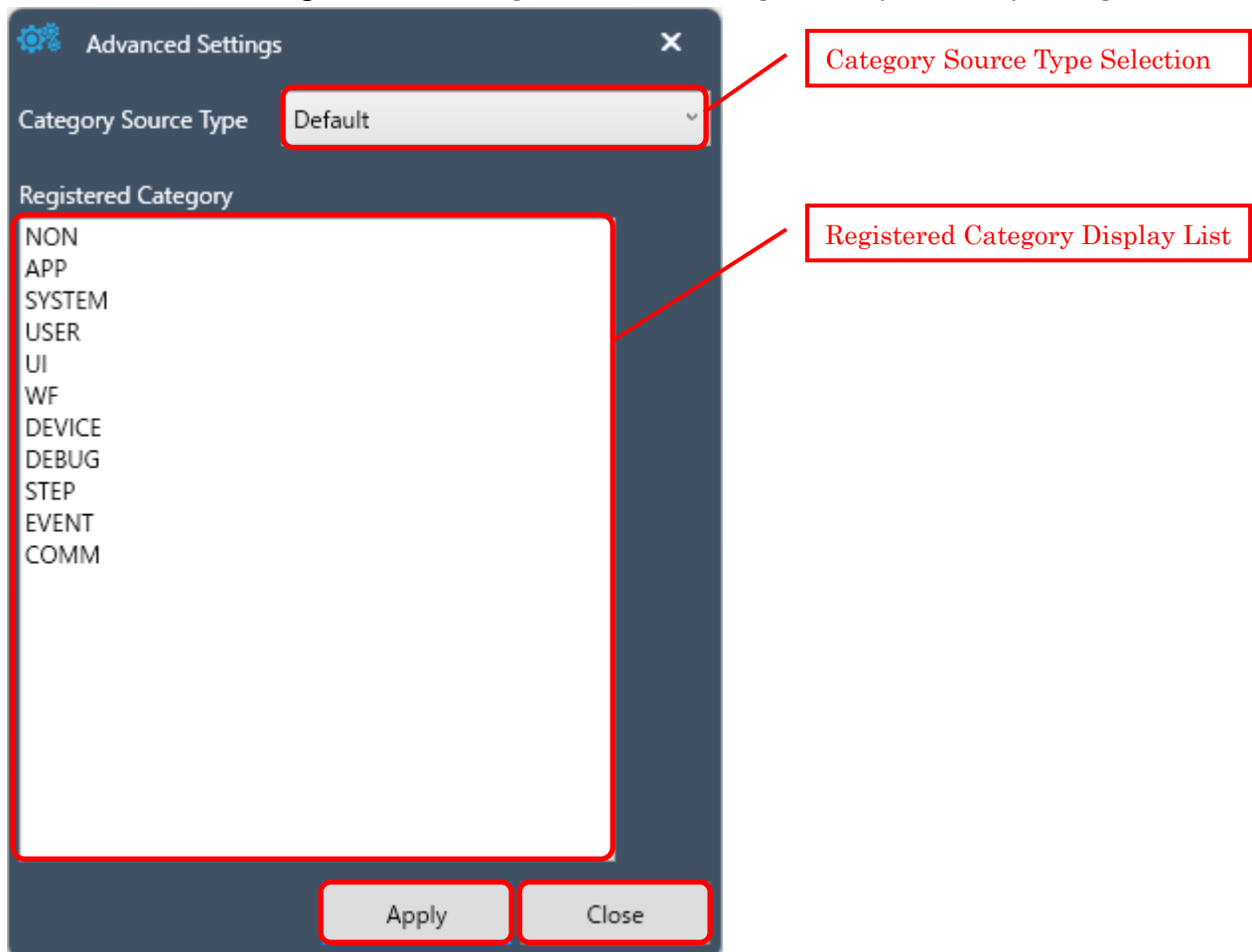
2.15. Configuring Advanced Settings

By selecting **Main Menu [Settings (S) > Advanced Settings]** or clicking the corresponding toolbar icon , a window for advanced settings will open.



2.15.1. Description of the Advanced Settings Window

In the **Advanced settings** window, categories can be changed to any arbitrary string.





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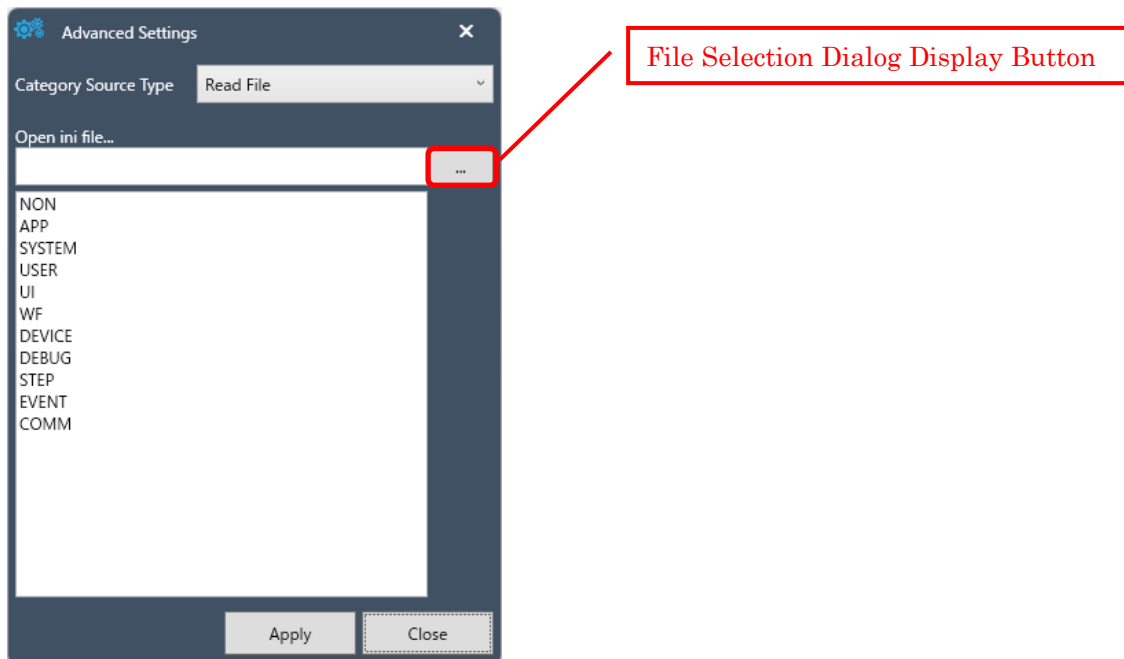
GUI	Description
Category Source Type Selection Drop-Down	Select the method for registering categories. You can choose from the options below. - Default (Refer to 2.15.1.1) - Read file (Refer to 2.15.1.2) - User definition (Refer to 2.15.1.3) - Programable (Refer to 2.15.1.4)
Registered Category Display List	The categories for each category source type are displayed.
Apply Button	The contents of the category display list are applied.
Close Button	The window is closed.

2.15.1.1. Category Source Type - Default

The default categories of this application are registered. The registration contents of this category source cannot be modified. It is mainly used when you want to restore the categories to their default state.

2.15.1.2. Category Source Type - Read File

This is used when importing a category definition file exported with the category source type **User Definition** (**Refer to [2.15.1.3 Category Source Type - User Definition](#)**).



GUI	Description
File Selection Dialog Display Button	A dialog for selecting a category definition file (.catdef) will be displayed.

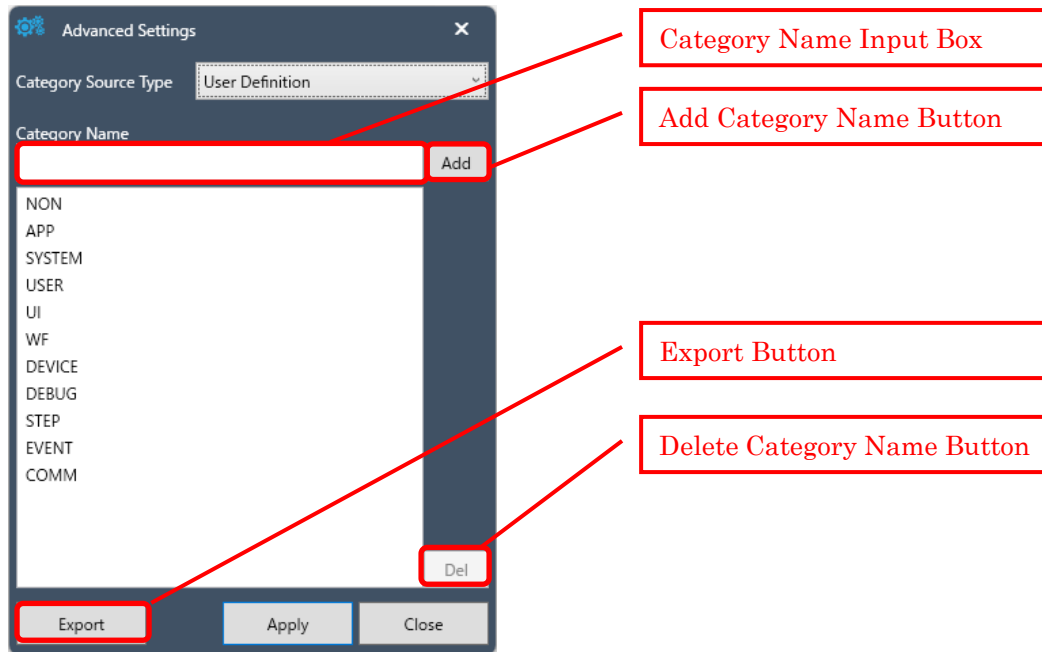


2.15.1.3. Category Source Type - User Definition

This is used when registering any arbitrary string as a category.

After entering the desired category string in the category name input box, press the **Add** button to register it.

The category "NON" is reserved by the application to indicate that it does not belong to any category. This category cannot be deleted.



GUI	Description
Category Name Input Box	Enter the string you want to register as a category.
Add Category Name Button	The string entered in the category name input box will be registered in the category display list.
Delete Category Name Button	The category selected in the category display list will be deleted.
Export Button	A dialog will open to save the contents of the category display list as a category definition file (.catdef) to a desired location.

2.15.1.4. Category Source Type - Programmable

When this application is launched by a client trigger, the current categories are displayed.

For more details on client trigger launch, please refer to the separate document *“Software Installation Guide.”*



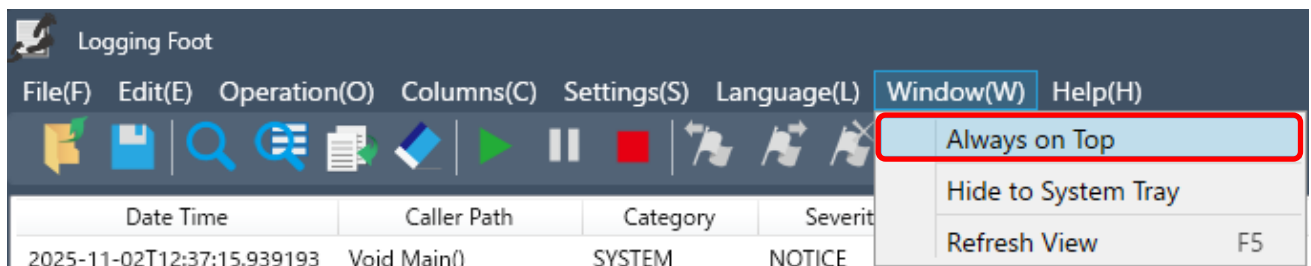
2.16. Configuring Window Behavior

In this application, the window can be set to always stay on top or minimized to the system tray.

2.16.1. Always Keep the Window on Top

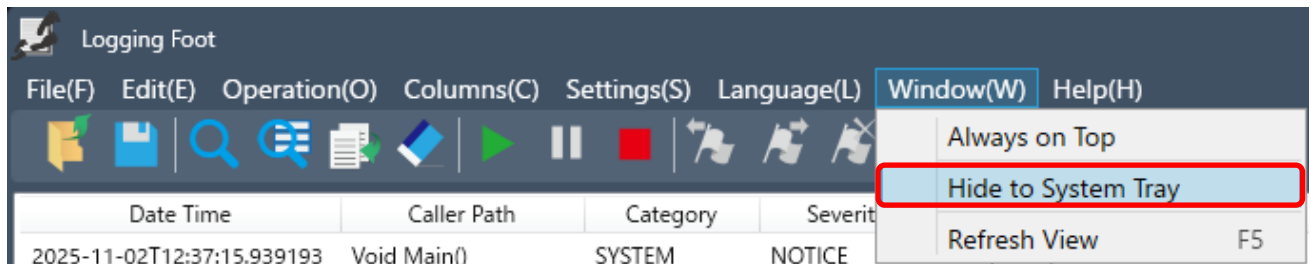
To enable the window to remain always on top, select main menu [Window (W) > Always on Top].

To disable this setting, select the same menu again.

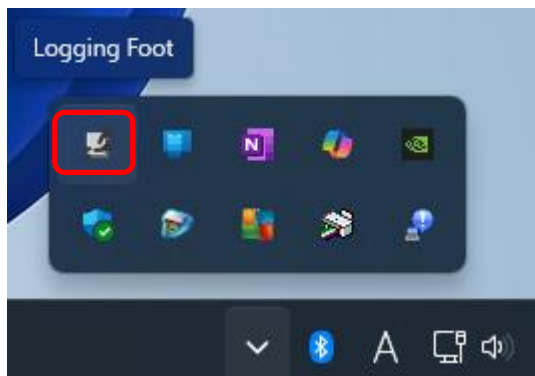


2.16.2. Minimize the Window to the System Tray

To minimize the window to the system tray, select main menu [Window (W) > Hide to System Tray].



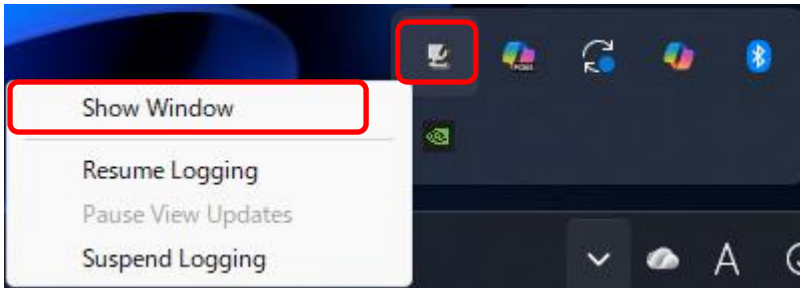
The **Logging Foot** icon will be displayed in the system tray.





2.16.2.1. Restore From System Tray Minimization

To restore the normal window display, left-click the system tray icon or select **[Show Window]** from the context menu displayed by right-clicking the icon.

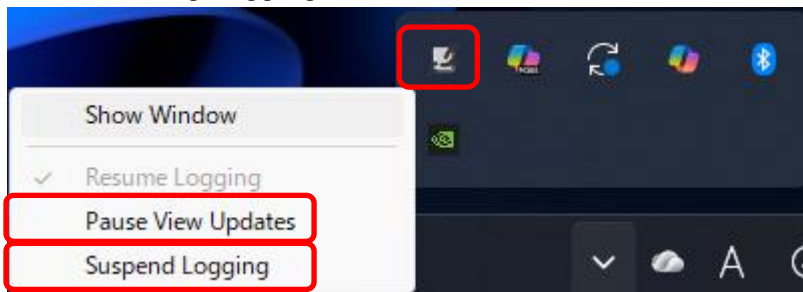


2.16.2.2. Pause or Suspend Logging While Minimization to the System Tray

When logging is in progress, it can be temporarily paused or stopped.

To temporarily pause logging, select **[Pause View Updates]**, or to stop logging, select **[Suspend Logging]** from the context menu displayed by right-clicking the system tray icon.

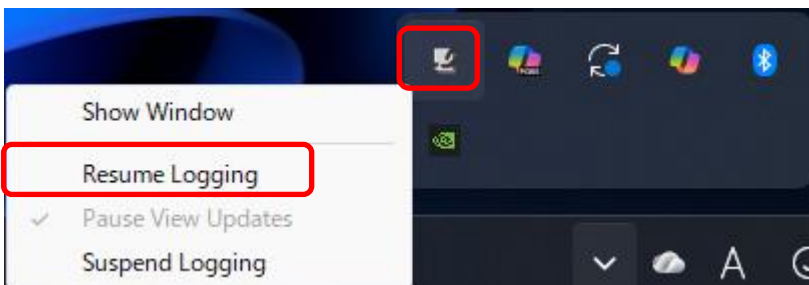
*Note: For the differences between **Pause** and **Suspend** logging, refer to section [2.10 Pausing and Resuming Logging](#).*



2.16.2.3. Starting or Resuming Logging While in System Tray State

When logging is currently paused or stopped, it can be resumed.

Select **[Resume logging]** from the context menu displayed by right-clicking the system tray icon.





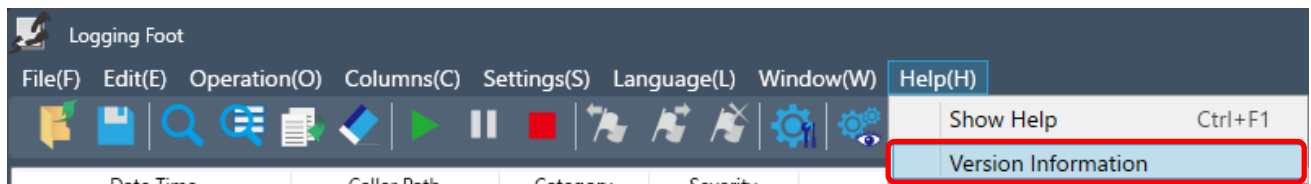
3. License Registration

Depending on the purchase method, this software may require license file registration. In such cases, the software will initially launch as the Free Edition or Trial Edition. By registering the license file obtained from your point of purchase or included in the package according to the following procedure, the paid features will be enabled.

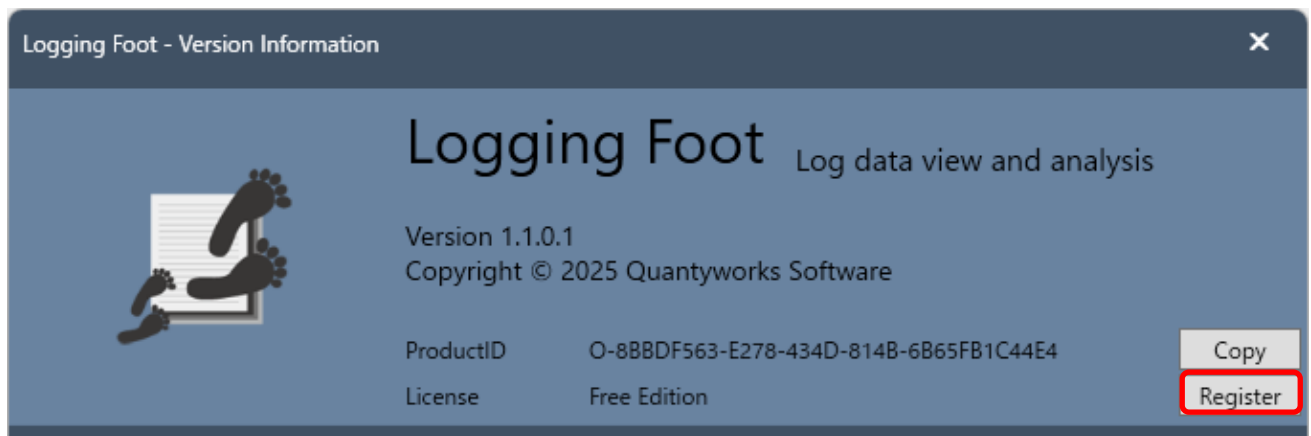
For details on each edition, please refer to the separate document “Software Installation Guide”.

3.1. Register License

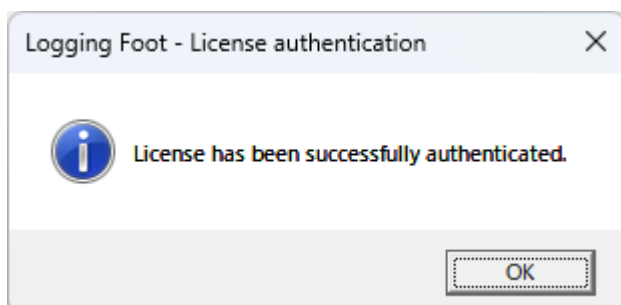
Selecting main menu [**Help (H) > Version Information**] opens the version information dialog.



Pressing the [**Register**] button in the version information window shown below will open a file selection dialog, where you can select the license file (.lic) obtained from the vendor.



When authentication is successful, the dialog shown below is displayed.





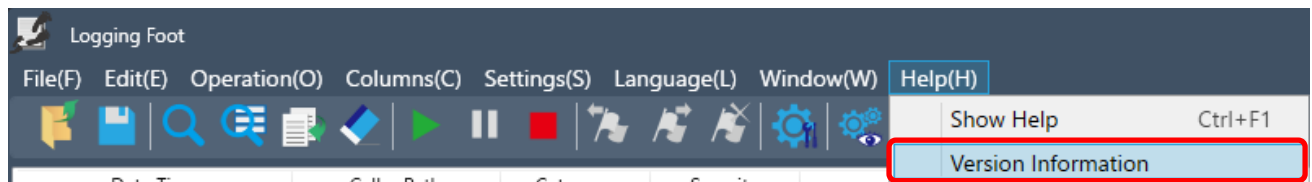
3.2.About the Trial Edition

You can try the paid features free of charge for 30 days. In this edition, a message notifying the remaining trial days is displayed each time the application is launched after a certain number of days have passed since first use.

Programs incorporating this edition cannot be used for commercial operation. After trying this edition, you can continue using the application by either switching to the Free Edition (Refer to [3.2.1 Switch to Free Edition](#)) or registering a license.

3.2.1. Switch to Free Edition

Selecting main menu [Help (H) > Version Information] opens the version information dialog.



Press the [Perform] button in the version information dialog shown below.

