DL950/SL2000 File Utility

This user's manual contains useful information about the precautions, functions, and specifications of the DL950/SL2000 File Utility Software.

To ensure correct use, please read this manual thoroughly before operation. Keep this manual in a safe place for quick reference.

For information about the handling precautions, functions, and operating procedures of the DL950/SL2000 series and the handling and operating procedures of Windows, see the relevant manuals.

Notes

- The contents of this manual are subject to change without prior notice as a result of improvements to the product's performance and functionality. Refer to our website to view our latest manuals.
- The figures given in this manual may differ from those that actually appear on your screen.
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Revisions

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Notes on Usage

Handling Precautions

This software is a DL950/SL2000 File Utility for the DL950/SL2000 series. It cannot be used with other products.

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Contents

1.1   Software Overview

Overview

This software provides functionality to enable the opening of waveform data files that could not be properly saved due to unexpected issues (such as a power outage) during SSD recording with the DL950/SL2000.

In addition, it provides a function to merge waveform data files recorded on the DL950/SL2000 in free-run mode into a single file and save it, as well as a function to add supplemental data to speed up analysis.

Functions

This software provides the following functions.
- File Merging: Merges consecutive free-run files into a single file.
- Finalization: Recovers incomplete waveform data files from SSD recording and accelerates the handling of waveform data files recorded in free-run mode.

System requirements

The software requires a personal computer that satisfies the following system requirements.
- Operating System:
    Japanese or English version of Microsoft Windows 10 or Windows 11
- Memory: 8 GB or more

2.1   File Utility Features

This software provides the following functions for waveform data files saved on the DL950/SL2000.

File merging
- Combines consecutive files saved in free-run recording into a single file
- If the merged file exceeds 2 GB, lets you choose whether to save it as multiple files in 2 GB increments or as a single file larger than 2 GB

Applicable files
Consecutive waveform data files saved to the instrument in free-run recording

File name
The file is saved either with an "m" inserted before the serial number (_000) of the first file to be merged or with the file name you specify.

Finalization
- A recovery function that allows waveform data files to be opened in viewer software such as IS8000 when file saving does not complete properly due to an abnormal event (such as a power failure) during SSD recording
- Adds supplemental data to waveform data files saved in free-run recording so that they can be opened quickly when analyzed in viewer software such as IS8000

Applicable files
- Waveform data files from SSD recording that have not been closed
- Waveform data files saved in free-run recording

The following files cannot be finalized:
- Waveform data files saved using dual capture
- Waveform data files saved using triggered measurement

File name
You can either overwrite the original file with the same file name or save it with the same name in the Finalize folder created under the folder that contains the original file.

2.2 Starting and Exiting the File Utility

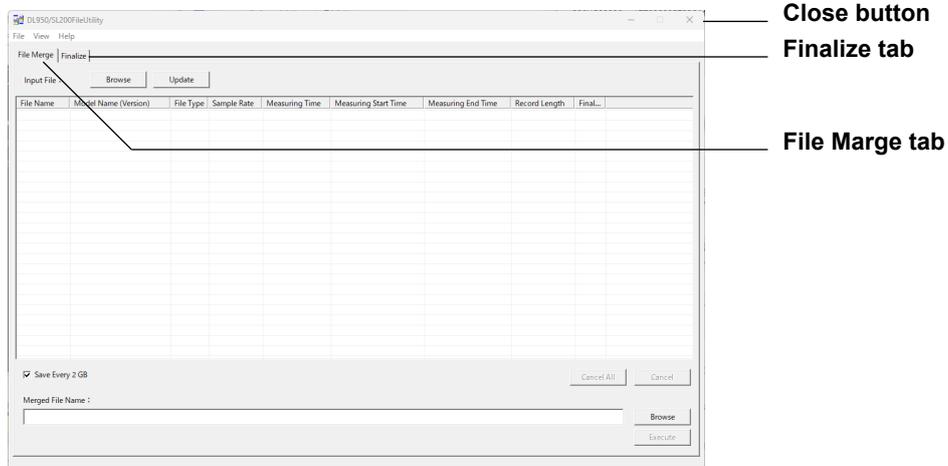### Starting the File Utility

Use one of the following methods to start the software.
- On the Windows **Start** menu, click **YOKOGAWA** and then **DL950 SL2000 FileUtility**.
- Double-click the **DL950 SL2000 FileUtility** shortcut icon on the desktop.

Shortcut icon

Once started, the following screen appears.

Close button
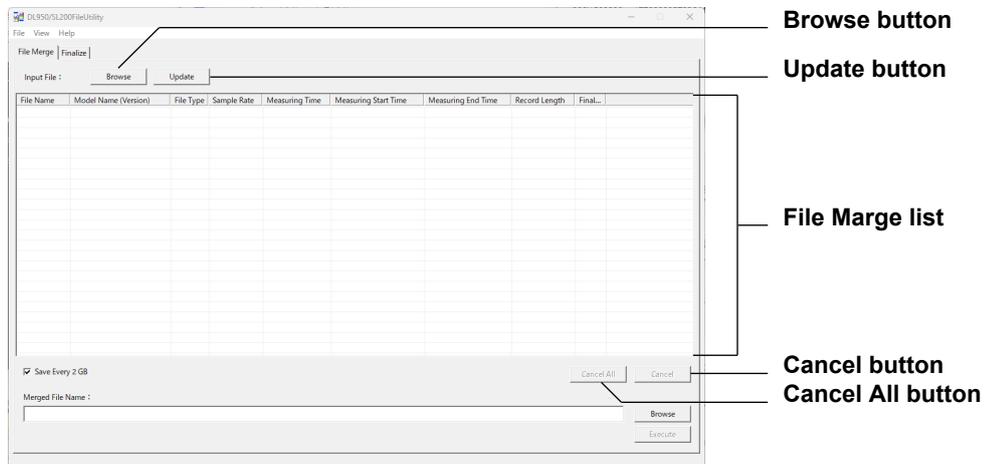
Finalize tab

File Marge tab

Exiting the File Utility

To exit the file utility, click the **Close** button in the upper right of the file utility window. Alternatively, on the **File** menu, click **Exit**
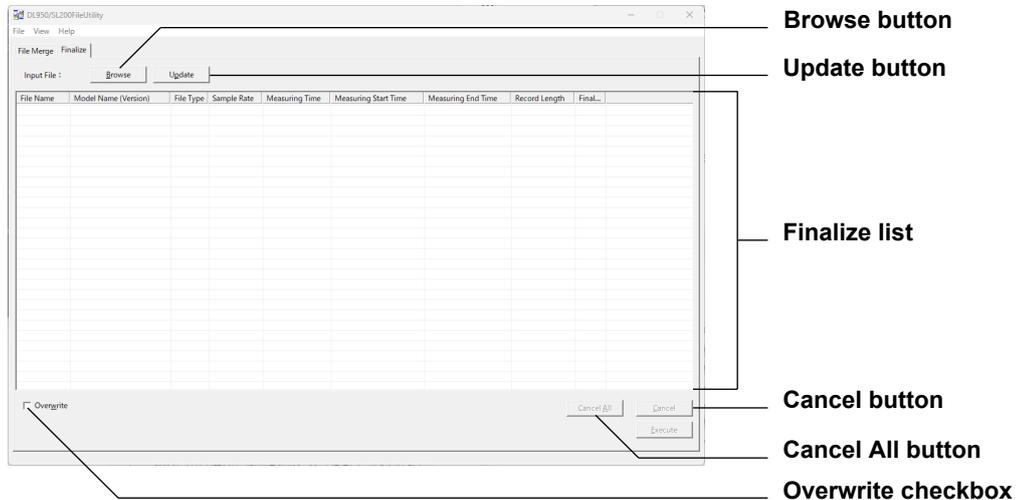
2.3   File Merging

1. Start the file utility, and then click the **File Merge** tab.

2. Divided file saving
    If the combined file size exceeds 2 GB and you wish to save it by dividing the file, select the **Save Every 2 GB** check box.

3. Registering Files in the File List
    Click **Browse** next to Input File to select the files that you want to use or drag the files directly to the file utility window's file list. The selected files appear in the file list.
    To delete files from the file list, click the file that you want to delete (this selects the file), and then click **Cancel** or press DELETE. To delete all files from the file list, click **Cancel All**.

4. Setting the Save Destination for the Merged File
    Click **Browse** next to Merged file name to specify the name for the merged file.
    If you do not specify a merged file name, the file is saved with an "m" inserted before the serial number (_000) of the first file, in the same folder as that first file.

5. Selecting the Source Files
    Files selected for File Merging are those that are highlighted in the file list.
    Click the file that you want to use to select it. If you hold down SHIFT and click a file, you can select multiple consecutive files. If you hold down CTRL and click files, you can select just the files that you click.

6. Executing the File Merging
    Click **Execute** to merge the files that are selected on the file list. If you have selected multiple files, they are all merged collectively.

2.4 Finalization

1. Start the file utility, and then click the **Finalize** tab.

2. If you want to overwrite the original file with the finalized file, select the **Overwrite** check box.

3. Registering Files in the File List
   Click **Browse** next to Input File to select the files that you want to use or drag the files directly to the file utility window's file list. The selected files appear in the file list.
   To delete files from the file list, click the file that you want to delete (this selects the file), and then click **Cancel** or press DELETE. To delete all files from the file list, click **Cancel All**.
   You can change the order of the files in the list by dragging them to different positions.

4. Selecting the Source Files
   Files selected for finalization are those that are highlighted in the file list.
   Click the file that you want to use to select it. If you hold down SHIFT and click a file, you can select multiple consecutive files. If you hold down CTRL and click files, you can select just the files that you click. You can select up to 128 files.
   For files that have not been finalized, the "Finalize" column displays "Undone."

5. Executing the Finalization
   Click **Execute** to finalize the files that are selected on the file list.
   If you have selected multiple files, they are all finalized collectively. You can finalize up to 128 files at once.

Files that were not properly saved—such as those affected by a power outage during data saving—do not contain the supplementary information required for display in waveform viewer software such as IS8000.
By performing finalization, the necessary information is added, allowing the files to be displayed in the viewer software.
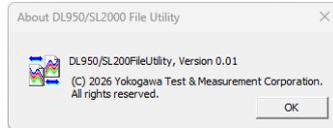
2.5 Viewing the Manuals

With File Utility running, select **Manual** from the **Help** menu. The manual for this software will open.

Note

To view the PDF data, you need Adobe Acrobat Reader or a software application that can open PDF data.

2.6 Viewing the Version

Start the file utility. On the **Help** menu, click **'About DL950/SL2000 File Utility'** to view the version of this software program.

Appendix 1   Error Messages

Messages may appear on the screen during operation. This section explains the causes.

Cause to appear	Message
When the files selected for merging have different conditions, or when you select a trigger-mode file.	Files saved other than free run recording cannot be merged. Please check the measurement conditions.
When you attempt to finalize a file that has already been finalized	This file already finalized.
When you select a trigger-mode file during finalization	This file was measured using trigger mode and cannot be finalized. Please select a waveform data file recorded by SSD recording.
When you have selected 1000 files or more when merging files	The number of files to be merged exceeds 1000. Limit the number of files to 1000 or less.
When you attempt to merge files whose measurement times are not continuous.	The measurement times are not continuous. Please select files with continuous measurement times.
When you attempt to merge files with different sample rates	Different sample rate.Select files measured on the same sample rate.
When you attempt to merge files measured with an external clock and an internal clock	Files with external and internal clock sources are mixed. Please select files with the same clock source.
When you select a file in dual capture mode	Cannot operate files measured in Dual Capture mode.
When you select a file from a different model	This file was measured by a device other than the DL950 or SL2000.
When the file you attempted to overwrite during finalization was open in IS8000 or another application.	This file is read-only and cannot be modified.