For Sumitomo Fusion Splicer

Maintenance Application

User Guide
END-USER LICENSE AGREEMENT FOR SOFTWARE

PLEASE READ THE TERMS AND CONDITIONS OF THIS LICENSE AGREEMENT CAREFULLY BEFORE CONTINUING WITH THIS PROGRAM INSTALL:

Sumitomo Electric Industries, Ltd. (hereafter SEI)’s End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and SEI. By installing, copying, or otherwise using the software, you agree to be bound by the terms of this EULA. This license agreement represents the entire agreement concerning the program between you and SEI, (referred to as "licenser"), and it supersedes any prior proposal, representation, or understanding between the parties. If you do not agree to the terms of this EULA, do not install or use the software.

The software is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The software is licensed, not sold.

1. GRANT OF LICENSE.
The software is licensed as follows:
(a) Installation and Use.
SEI grants you the right to install and use copies of the software on your computer running a validly licensed copy of the operating system.
(b) Backup Copies.
You may also make copies of the software as may be necessary for backup and archival purposes.

2. DESCRIPTION OF OTHER RIGHTS AND LIMITATIONS.
(a) Maintenance of Copyright Notices.
You must not remove or alter any copyright notices on any and all copies of the software.
(b) Prohibition on Reverse Engineering, Decompilation, and Disassembly.
You may not reverse engineer, decompile, or disassemble the software, except and only to the extent that such activity is expressly permitted by applicable law notwithstanding this limitation.
(c) No Support Services.
You may not use the software with fusion splicer outside the area where you are allowed to use. If you use the fusion splicer in the area not allowed, the software stops running and disconnects it from SEI server automatically.
(d) Compliance with Applicable Laws.
You must comply with all applicable laws regarding use of the software.

3. TERMINATION
Without prejudice to any other rights, SEI may terminate this EULA if you fail to comply with the terms and conditions of this EULA. In such event, you must destroy all copies of the software in your possession.

4. COPYRIGHT
All title, including but not limited to copyrights, in and to the software and any copies thereof are owned by SEI or its suppliers. All title and intellectual property rights in and to the content which may be accessed through use of the software is the property of the respective content owner and may be protected by applicable copyright or other intellectual property laws and treaties. This EULA grants you no rights to use such content. All rights not expressly granted are reserved by SEI.

5. NO WARRANTIES
SEI expressly disclaims any warranty for the Software. SEI does not warrant or assume responsibility for the accuracy or completeness of any information, text, graphics, links or other items contained within the software. SEI makes no warranties respecting any harm that may be caused by the transmission of a computer virus, worm, time bomb, logic bomb, or other such computer program. SEI further expressly disclaims any warranty or representation to Authorized Users or to any third party.

6. LIMITATION OF LIABILITY
In no event shall SEI be liable for any damages (including, without limitation, lost profits, business interruption, or lost information) rising out of ‘Authorized Users’ use of or inability to use the software, even if SEI has been advised of the possibility of such damages. In no event will SEI be liable for loss of data or for indirect, special, incidental, consequential (including lost profit), or other damages based in contract, tort or otherwise. SEI shall have no liability with respect to the content of the software or any part thereof, including but not limited to errors or omissions contained therein, libel, infringements of rights of publicity, privacy, trademark rights, business interruption, personal injury, loss of privacy, moral rights or the disclosure of confidential information.

7. EXPORT CONTROL
You shall comply with all laws and regulations of export control in Japan.
## Contents

**Introduction**  
3

### 1. Downloading Maintenance Application  
4  
1-1. Visual C++ 2010 Runtime Library / Microsoft .NET Framework 4  
4  
1-2. Logging in to Maintenance Application download page  
5  
1-3. Downloading Maintenance Application  
6

### 2. Installing Maintenance Application on your PC  
8  
2-1. Installing Maintenance Application on your PC  
8  
2-2. Installing USB driver on your PC  
17  
2-3. Uninstalling Maintenance Application  
19

### 3. Using the Maintenance Application  
21  
3-1. Starting Maintenance Application  
21  
3-2. Exiting Maintenance Application  
24  
3-3. Maintenance Application function  
25  
3-4. Operating the splicer from the PC (“Monitor / PC Operation” function)  
26  
3-5. Remote diagnosis by Service center (“Remote control” function)  
29  
3-6. Updating the splicer software (“Software update” function)  
32  
3-7. Viewing/saving/editing/copying splicer’s settings (“Splicer settings” function)  
34  
3-8. Viewing/saving splice data (“Splice data” function)  
41  
3-9. Viewing/saving error log (“Error log” function)  
43  
3-10. Viewing/saving fiber images (“Image history” function)  
45

---

• Microsoft, Windows, Internet Explorer, Visual C++, .NET Framework, Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.  
• Intel and Pentium are either registered trademarks or trademarks of Intel Corporation or its subsidiaries in the United States and/or other countries.  
• Ethernet is a registered trademark of Xerox Corporation.
**Introduction**

Maintenance Application is PC software specially designed for Sumitomo fusion splicers and always used with a splicer connected via USB cable for the purpose of not only updating splicer software but also taking remote diagnosis support from your regional maintenance center. Please read this manual carefully and keep a suitable storage for reference.

*Note: Maintenance Application supports the following SUMITOMO splicers below.*

- **TYPE-72C series**, **TYPE-Q102-CA**, **TYPE-82C**, **TYPE-82C-FA**,
- **TYPE-201e-M4/VS**, **TYPE-201M4/VS**, **TYPE-QH201e-M4/VS**, **TYPE-100Se**, **TYPE-100S**

*"Monitor/PC operation" functions are not available on the splicer models below:*  
- **TYPE-72 series**, **TYPE-Q102-CA**, **TYPE-82C**, **TYPE-82C-FA**,  

*"Remote control" functions are not available on the splicer models below.*  
Recommended system requirements
Operating System: Windows 10 (32bit/64bit), Windows 8.1 (32bit/64bit), Windows 7 (32bit/64bit)
Processor: Intel Pentium III 1.2GHz or faster
Memory: 2GB or more
HDD: Minimum 1GB of capacity (more than 1GB of hard disc space)
Network: Ethernet (1Mbps or better)
Framework: Microsoft .NET Framework 4.6 and later
Internet browser: IE11, Firefox

Network
Internet connection: Broadband internet (ADSL/Fiber)

Procedure overview
1. Downloading Maintenance Application

1-1. Visual C++ 2010 Runtime Library / Microsoft .NET Framework 4

To use Maintenance Application, **Visual C++ 2010 Runtime Library** and **Microsoft .NET Framework 4** are required.

**<Visual C++ 2010 Runtime Library>**

If Visual C++ 2010 Runtime Library is not installed on the PC, an installer for Visual C++ 2010 Runtime Library is automatically started before Maintenance Application is installed. For more information, see page 9~10.

**<Microsoft .NET Framework 4>**

First make sure that the PC has Microsoft .NET Framework 4 installed. If not, download it from Microsoft web site.


If you attempt to start installing Maintenance Application without Microsoft .NET Framework 4 installed, a pop-up window will appear prompting you to install it first before installing Maintenance Application. For more information, see page 10.
1-2. Logging in to Maintenance Application download page

To download Maintenance Application, open your web browser and go to Sumitomo internet service system web site http://www.rim-plus.sei.co.jp/.

Scroll down the page and click the link in the Download section.

The Login page is displayed. You are required to enter the serial number (12 digits) of the splicer you have. Then click “Login”.

Enter the serial number (12 digits.)

Click “Login”.
1-3. Downloading Maintenance Application

The Maintenance Application download page is displayed. Click the link in the page to download the Application file.

*Note: The Maintenance Application file is common for all the supported splicers.*

"END-USER LICENSE AGREEMENT FOR SOFTWARE" is displayed. Read it through by scrolling down, and then click "Agree".

Click this link.

Scroll down

Click "Agree".
After "Agree" is clicked, a download screen will be displayed. Click the "Download" link.

Click "Save" to save the Application file "installer_en_user.exe" to the PC.

Proceed to install the Maintenance Application on the PC.
2. Installing Maintenance Application on your PC

2-1. Installing Maintenance Application on your PC

Open the folder where “Installer_en_user.exe” file has been saved and double click the file to start to install on your PC.

If “Visual C++ 2010 Runtime Library” and “Microsoft .NET Framework 4” have already been installed on your PC, go to page 11.

-1. If “Visual C++ 2010 Runtime Library” is not installed on your PC, a pop-up window that prompts you to install it first will automatically appear. Install the software referring to the on-screen instructions. “Visual C++ 2010 Runtime Library” is essential for running Maintenance Application on the PC. Do not skip the installation process.

Tick off “I have read and accept the license terms” and click “Install”.

-
After completing the installation, click "**Finish**". No need to re-boot the PC.

2. If "**Microsoft .NET Framework 4**" is not installed on the PC, a pop-up window that prompts you to install it will automatically appear. Install the software referring to the on-screen instructions. "**Microsoft .NET Framework 4**" is essential for running Maintenance Application on the PC. Do not skip the installation process.

The installation starts.
The Maintenance Application installer automatically appears. Follow the on-screen instructions.

Select “I Agree”. (Continue to the next page.)
Installation starts.

A pop-up window that prompts you to install VCM codec appears during the installation. This is necessary for running "REC" function properly. (See page 25.) Click "Yes" to proceed to the next step.

(Continue to the next page.)
When you successfully install the Maintenance Application on the PC, you'll see the screen below. Click "Close".

A short cut icon is automatically generated on the desktop.
2-2. Installing USB driver on your PC

*Note: Before starting the Maintenance Application, close all other Applications.*

When you start the Maintenance Application for the first time, you'll see a “Driver setup” window as illustrated below. Carry out USB driver installation referring to the on-screen instructions.

To start the Maintenance Application, click the short cut icon on the desktop or run “MainteApp.exe” in the Fusion Splicer Maintenance Tool folder* (*C:¥Program Files¥Fusion Splicer Maintenance Tool)

After the USB driver is installed on the PC, the Maintenance Application will start up.

In some cases (depending on the PC's account types), a warning message will first pop up. Disregard it and click “Yes”.

After the USB driver is installed on the PC, the Maintenance Application will start up.
Note: If an old version USB driver has been installed on your PC, a message below will be displayed. Uninstall the USB driver from the Control Panel first, and then re-start the Maintenance Application.
2-3. Uninstalling Maintenance Application

If you do not need the Maintenance Application any longer, carry out the uninstallation procedure below.

*Note: It is not necessary to uninstall an old version Maintenance Application before installing a newer version.*

Click the Start button. Select "**Control Panel**“ > “**Programs**” > “**Programs and Features**”. Select and highlight "**Fusion Splicer Maintenance Tool**” from the list of “Uninstall or change a program”. Right click it and select “**Uninstall**”. 
Completed.
3. Using Maintenance Application

3-1. Starting Maintenance Application

*Note: Before starting the Maintenance Application, close all other Applications. Make sure that internet connection is available.*

Start the Application by clicking the short cut icon on the desktop or running “MainteApp.exe” in the Fusion Splicer Maintenance Tool folder*. (*C:\Program Files\Fusion Splicer Maintenance Tool*)

Referring to the on-screen instructions, turn on the splicer, and then connect it to the PC via USB cable. A Maintenance Application window appears.

While the Maintenance Application window is displayed, the splicer is verified by our server in the background.

*Note: If the connection between the splicer and Application fails, an error message will appear. Reboot the splicer and try again.*

When the splicer has been successfully detected by the Application and verified by our server, a start screen is displayed.

**Caution:** If the Application accesses our server out of the sales area which has been set in the splicer, a message shown below appears. To proceed to start the Application, Click “OK”. The Application can still be used but **Software update** and **Remote control** functions are not available based on our policy for parallel import. *(http://global-sei.com/fttx/product_e/policy.html)*
**Note: If the Maintenance Application is not the latest version, a message below will appear. Please click “Yes” to download and install the latest version on your PC.**

![Image of a notification message](image)

**Note for the T-400S**

*If there was insufficient memory on the splicer in the previous software update, a screen below will appear. Click “Yes” and wait for a while.*

![Image of an information message](image)
**Maintenance Application Start Screen (ex. Z1C)**

*Menu option is different according to the splicer models.

**Network settings**

If you need proxy server settings, click this icon and do the settings. (See below for more details.)

**Fusion splicer software update indicator**

- The current software version is the latest. (No need to update.)
- New software version is available.

**Side menu bar**

When you select a function, the screen of the function appears on the right side. For further details on each function, see page 20~45.

If a function is selected, the description of the function is displayed in this pane.

**S/N verification indicator**

- The serial number is verified correctly by our server via internet.
- The serial number is not verified by our server via internet.

When this symbol is displayed, software update and remote control functions are not available. Please check your network settings.

**<Network Settings>**

When “Get proxy information” is clicked on Network Settings window, server address and Port setting are retrieved from Internet Explorer and then displayed on the Network Settings window.

*Note: User name and Password should manually be entered as per usual.*

*Note: This function is only valid when “Use a proxy server...” is enabled in the IE settings.*
<Permission for advanced support and data upload>
Before updating software or taking remote support by service center, be sure to select “Permit”, the 
Application can send the current state of the splicer to our server.

Select “Permit” before updating software or taking remote support.

Upload the splicer settings, splice data, error logs and images stored 
in the splicer to our server by clicking “Upload”. This may be 
useful for the service center that will carry out remote control.

If the data upload is successful, a pop-up window as shown below will appear.

If the data upload fails, a pop-up window as shown below will appear. If the problem still persists after some 
trials, contact your regional service center.

Note: The data upload function is not available on the following models. 
TYPE-72C series, TYPE-Q102-CA, TYPE-82C, TYPE-82C-FA, 
Z2C, T-56, T-57, TYPE-Q102-VS, T-601C, T-601CS, 
T-400S, Lynx Connectorizer
<Time synchronization>
When "Synchronize now" as shown is clicked, the splicer time is synchronized with PC time.
If "Auto mode" is ticked off, the splicer time is automatically synchronized with PC time upon startup of the Application.

**Note: This feature is only available on the following models.**
- TYPE-72C series, TYPE-Q102-CA, TYPE-82C,
- TYPE-71C+ series, TYPE-Q101-CA+, TYPE-81C+(S/N: 55xxxxxxxxxx),

---

3-2. Exiting the Maintenance Application
To exit the Application, Click the "X".
3-3. Maintenance Application Functions

The Maintenance Application has various functions. Select a function from the side menu bar.

**Application**: See page 20~22.

**Monitor / PC Operation**: Displays the monitor screen of a connected splicer and operates the splicer on the Application. The arc test process and splicing process can be recorded and saved as a video file. For more information, see page 24~26.

*The function is not available on the splicer models below.

**Remote control**: Connects to a service center via internet and have splicer diagnosed remotely if it has any problems. For more information, see page 27~29.

*The function is not available on the splicer models below.

**Software update**: Updates splicer software via internet. For more information, see 30~31.

**Splicer settings**: Displays the settings that the splicer has in its internal memory, such as splice program, arc parameter and etc. You can also edit and output the settings in CSV format to the PC. For more information, see page 32~40.

*The function is not available on the splicer models below.
T-400S and Lynx Connectorizer

**Splice data**: Displays the splice data stored in the splicer memory. You can also output splice data in CSV format to the PC. For more information, see page 41~42.

*The function is not available on the splicer models below.
T-400S and Lynx Connectorizer

**Error logs**: Displays the error logs stored in the splicer memory. You can also output error logs in CSV format to the PC. For more information, see page 43~44.

*The function is not available on the splicer models below.
T-400S and Lynx Connectorizer

**Image history**: Displays the fiber images stored in the splicer memory. You can also save images in JPG format to the PC. For more information, see page 45~47.

*The function is not available on the splicer models below.
T-400S and Lynx Connectorizer
3-4. Operating the splicer from the PC ("Monitor / PC Operation" function)

This function enables to display the monitor screen of a connected splicer and operate the splicer on the PC. You can perform an arc test, the splicing and heat shrink processes by clicking the on-screen icons. The function does not use internet communication between splicer and SEI server.

*Note: Before performing an arc test and the splicing process, load fiber in the splicer and select suitable splice program for the fiber to be spliced from the pull down menu. Before performing the heat shrink process, place a protection sleeve with the splice onto the heat shrink oven and select suitable heater program for the sleeve from the pull down menu.*

After performing the splicing process, you’ll see a popup message asking you if you want to re-arc or not. If you don’t want or need it, click "**No**".
**Recording function**

You can record a splicing or arc test process and save as a video file to the PC. 

**If you would like to record an arc test process,** click ⚡ in advance to enter Arc Test mode.

Click **REC**. “Save as” screen will pop up, asking you to select what location (on the PC) to save the video file. The name of the file is linked to the date and time. You can also edit it as you like. And then click **Save**.

*Note: The video file format is “.avi” only. Estimated loss, cleave angle etc are not saved in the video.*

Click **Start**. A splicing process or arc test process will start. After the process is finished, the video file is automatically created in the location you selected.

*Note: The recording time is max. 60 seconds.*

After the splicing process or arc test process is completed, the recording is also completed and a message window to tell you the completion of the recording appears. Click **OK**.
Following the message, you will be asked if you would like to upload the video file to the SEI server for future reference for your regional service center. Click “Yes” or “No”.

Note: When an error occurs or “Reset” icon is clicked during recording, the recording is cancelled and the file of the video which was recorded part way through until the cancellation is created.

The video file is automatically created in the location you selected. It can be opened by “Windows Media Player” or other players.
Fiber images in the video file are captured directly from the CMOS camera and there is no mention of “X” and “Y” fields. You can interpret the images as follows.
3-5. Remote diagnosis by Service center ("Remote control" function")

This function enables to connect a fusion splicer to service center via the SEI server and have the splicer diagnosed remotely if it has any problems.

*Note: It is recommended that you contact your regional service center and arrange schedule before using the function. Please inform them of splicer’s S/N, problem found, etc. in advance to make smooth diagnosis.*

The function uses internet communication between splicer and SEI server. Ensure that “Permit” for the Important notice is selected on the start screen. (Refer to page 17.) Select “Remote control” from the menu.

As soon as selecting “Remote control” from the side menu bar, a pop-up window that asks you if you would like to start remote control appears. Click “Yes”.

This will allow the splicer to get connected to the SEI server for remote control and “Permit” on the Remote control screen is automatically selected. To prevent accidental incorrect operation during remote control, other functions are disabled temporarily.
Note: Selecting "Deny" before remote control means cancellation of the remote control and all other functions are enabled again. If you select "Deny" during remote control, the remote control will be terminated.

If "Aero" feature is enabled, the information window will appear. With the feature enabled, your PC desktop will happen to be shown on the maintenance center’s computer. To proceed to the remote control, click "Yes". The Aero feature will be disabled temporarily during the remote control. (And it is automatically enabled again after the remote control.) If you select "No", the remote control is cancelled. For details on the “Aero” feature, refer to http://windows.microsoft.com/en-US/windows7/products/features/aero (English site).

After you’ve done up to this step, contact them to tell that you’re ready. Once the service center accept the splicer and are ready to diagnose it, the fiber image observed by the splicer is displayed on the Maintenance Application and the screen image of the Maintenance Application will be sent to the service center via the server.

Note: While the remote control is conducted, the splicer shows a global icon. If it does not show the icon, from the menu screen on the splicer, manually select [USB]-[Remote Diagnosis].

During remote control, Ready screen is displayed and a fiber image does not appear on the Application screen even though fiber is loaded in the machine.

The service center will remotely control and diagnose the splicer. Wait for a while.

Note: Do not disconnect the USB and internet connection during the remote control. It is recommended that AC power be used rather than a battery to prevent from running out of power.
To terminate the remote control, select "Deny". The internet connection will be disconnected. Or it is also disconnected by the service center. When the remote control is terminated, the splicer shows the "Ready" screen back again.
3-6. Updating the splicer software ("Software update" function)

When the software update indicator icon is on the start screen, the splicer needs to be updated. This function uses internet communication between splicer and SEI server. Ensure that "Permit" for the Important notice is selected on the start screen. (Refer to page 21.) Select "Software Update" from the menu.

Check the software versions displayed on the Application and then click the "Update" button to start the update. Wait until the green progress bar moves to the right.

Note: Do not disconnect the USB and internet connection during the software update. It is recommended that AC power be used rather than a battery to prevent from running out of power.

Note for T-400S
If there is insufficient memory on the splicer, the message below will appear. Click "OK".

The message below appears before the update process is started. Click "OK".

![Software update message]

After the software update is completed, the splicer will shut down automatically. A message window that tells you that the Maintenance Application will be closed appears. Click "OK".

![Software update completed message]

Caution for TYPE-72C series, TYPE-Q102-CA, TYPE-82C

If Ver1.013 is updated on the, the message below appears after the update process. Referring to the on-screen instructions, turn on the splicer. The remaining update process will run and when it’s completed, the splicer will be turned off automatically.

![Software update completed message]

Turn on the splicer and go to "Information" from the menu screen. Ensure that the software has been updated.

**Note: If you fail to update the software, reboot the PC and try again.**

Note for software version 1.152 of TYPE-71C series, TYPE-Q101-CA, TYPE-81C, and Z1C

The message that prompts you to install Farci font in the PC is displayed from the next start-up of the Maintenance Application. If you need the font, click "Font update". If you don’t need, disregard the message. The font update does not affect the splicer operating system.

![Font update message]
3-7. Viewing/saving/editing/copying splicer’s settings (“Splicer settings” function)

To view the settings of the splicer connected on the Application, select “Splicer settings” from the menu. This function does not use internet communication between splicer and SEI server.

Splice programs/Heater programs/Function settings stored in the splicer are displayed.
To **save** the program settings to the PC, right click in the table and select **Output CSV file**.

Save the CSV file to a preferred location on the PC (and change the file name if necessary).

To **edit** the settings, highlight the value you would like to change by clicking it and then double-click it. A cursor will appear. Enter a new value.
Note: When you place your mouse pointer over the value, you can see the range of allowable values.

Click anywhere else after entering the new value. The new value is fixed in the data table and the change made is saved in the splicer memory in synchronization. You can edit the settings while looking at the program screen on the splicer. If you move to other screen from the current screen and come back to the screen which was shown previously, you can see the change.

Note: The pre-loaded Splice/Heater program settings for various fiber profiles are optimized before shipment and hence professional knowledge is required to do such optimization by oneself. We cannot guarantee that the settings you edited can result in high splice losses, failure of splicing/heat shrinking etc.
If you would like to revert the edited settings back to the factory default, from the splicer’s menu select “Maintenance”-“Restore Data (2/2 page)”. 
“Align Method” and functions have pull-down options. Highlight the current option of the item you would like to change by clicking it. Then double-click it. Options appear on pull down menu.

Click anywhere else after changing the settings. The newly selected option is fixed in the data table and the change made is saved in the splicer memory in synchronization. You can change the settings while looking at the function screen on the splicer. If you move to other screen from the current screen and come back to the screen which was shown previously, you can see the change.
You can also **copy** splice/heater program settings to blank program areas. Click the Data number you would like to copy. The values and items for the Data number will be all highlighted. Right click in the highlight and then select “**Copy**”.

Program data window will pop up. Before copying, edit the program number to copy the data to. Edit the value and program label if necessary. Click “**OK**” when you’re ready.

**Note: The data with light grey text cannot be edited.**

The splice program is copied to the designated blank area.

**Note: Once copied, data cannot be deleted.**
**“Copy Settings” feature**

The Maintenance Application Ver2.41 or later has a feature where Operation Settings and Function Settings of a master splicer are copied to another splicer.

*Note: This feature is only available on the following models.*


**Procedure for copying settings**

The section below summarizes the procedures for copying Operation Settings as an example. The procedure for copying Function Settings is the same as this.

To copy the Settings of a master splicer to two or more splicers, repeat Step (7) through (13).

1. Turn on a master splicer. Log in as an **administrator**.
2. Connect the master splicer to the Maintenance Application.
3. Select the “**Splicer Settings**” from the menu.
4. Select the “**Operation Settings**” tab.
   - 4 buttons appear below the Application main window. A brief description of active buttons is displayed right to the buttons. (Fig-1)

   ![Fig-1](image1)

5. Edit the Operation Settings. (Fig-2)

   ![Fig-2](image2)
(6) Click the 'Save' button to save the edited settings in a CSV file. (Fig-3)

![Save CSV file](image)

(7) Turn on the splicer to copy the settings to. Log in as an administrator.

(8) Connect the splicer to the Maintenance Application.

(9) Select the "Splicer settings" from the menu.

(10) Select the "Operation tab" settings. (Fig-4)

(11) Click the "Read" button and then select the CSV file which was saved in Step (6). (Fig-4, 5)

![Fusion Splicer Maintenance Application](image)

![Read CSV file](image)
(12) A difference between the settings saved in the CSV file and the settings of the current splicer is highlighted in blue with description as follows. (Fig-6)

Settings saved in the CSV file <- Settings of the current splicer

With the blue highlight appear, the settings cannot be edited on the Application window.

Confirm the settings will be changed as highlighted in blue, and then click the **Write** button. (Fig-6)

Click “**Yes**” to start the write process. (Fig-7, 8)
When the write process is completed, the new settings will be displayed and the blue highlight will disappear. (Fig-9, 10)

Please read and observe the cautions below before using the feature.

(1) The feature is available on the T-72C series and Z2C series only.

(2) The CSV file saved from the T-72C cannot be read into the Z2C and vice versa.

(3) It is Operation Settings and Function Settings only that can be copied to splicers. If a CSV file containing Splice Program and Heater program is selected as a Read file, an error will occur.

(4) The feature is only enabled in Administrator mode.

(5) A master splicer and the splicer to copy the master splicer settings to should have the latest version software. If a CSV file is read by the splicer that has the software version which does not match the software version of a master splicer, a warning message will be displayed.

(6) Do not use the CSV file that is edited and updated on a PC.

(7) A CSV file saved by the Maintenance Application Ver2.32 or earlier is cannot be used for the feature.
3-8. Viewing/Saving splice data (“Splice data” function)

To view splice data stored in the splicer memory on the Application, select “Splice data” from the menu. This function does not use internet communication between splicer and SEI server.

**Note:** To store splice data, set “Memory” to ON in the splicer function menu beforehand.

Splice data stored in the splicer memory are displayed in chronological order. Double-click a row item to view further details about it. Max. 10,000 data points can be displayed. (Max. 10,000 data points can be stored in the splicer memory.)

**Note:** You cannot alter the data from the table, it is view only.
To save the table of the splice data to the PC, right click in the table and then select “Output CSV file”. Save the CSV file to a preferred location on the PC (and change the file name if necessary).
3-9. Viewing/Saving error logs ("Error logs" function)

To view error logs stored in the splicer memory on the Application, select "Error logs" from the menu. This function does not use internet communication between splicer and SEI server.

The error logs are displayed in chronological order. Double-click a row item to view further details about it.

Note: You cannot alter the data from the table, it is view only.
To save the table of the error logs to the PC, right click anywhere on the table and select “Output CSV file”.

Save the CSV file to a preferred location on the PC (and change the file name if necessary).
3-10. Viewing/saving fiber images ("Image history" function)

To view fiber images stored in the splicer memory on the Application, select “Image history” from the side menu bar.

This function does not use internet communication between splicer and SEI server.

*Note: To store images, you need to set “Memory” to ON in the splicer function menu beforehand.*

Double-click an image file to display an enlarged view on the Application.

Max. 64 images can be displayed. (Max. 64 images can be stored in the splicer memory.)

*Note: The latest image comes to the rightmost place.*
To save an image file to the PC, click the "Save file select" button.

The button will change to the "Save" button and a check box appears to the left of each image file. Tick off the box of the file(s) you would like to save to the PC and click "Save".

To cancel saving of the files, click "Save" again without ticks.
Original issued March 2012 (for Maintenance Application ver1.00)
Version A issued June 2012 (for Maintenance Application ver1.01)
Version B issued October 2012 (for Maintenance Application ver1.20)
Version C issued March 2013 (for Maintenance Application ver1.40)
Version D issued July 2018 (for Maintenance Application ver2.32)
Version E issued September 2018 (for Maintenance Application ver2.41)