Utility Software Data Connection For 45 Series Instruction Manual

Please read this instruction manual carefully before installation.



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1 Introduction

Data Connection For 35 Series ("Data Connection") is the software included in the package of 35/45 Series; the splicer series manufactured by Fujikura. Read this installation manual before installing Data Connection

2 System Requirements

Computer and processor	1.6 gigahertz(GHz) processor or higher (In case Core [™] i3, Intel Corp)
Operating System	Microsoft Windows10(64bit)
	*The operating system must be updated by
	Windows Update
Memory	4GB
Hard Disk	100MB available space
Display	1024x768, or higher resolution
	24bit, or higher color
Other	USB 2.0 Port
	Capable of Internet Access, 56kbps or higher
	Broadband access is recommended

3 Install

Login to the PC using an account with administrator privilege

Administrator privilege is required when installing the software.

If you do not have an account which has administrator privilege, ask the supervisor of the PC for installation.

Exit all programs running on the PC

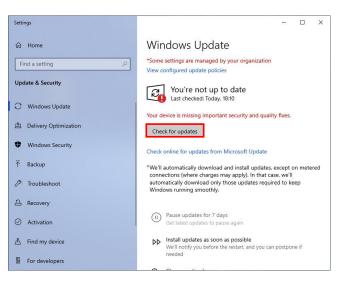
Exit all programs running on the PC. Some programs may prevent installation. Specifically do not install Data Connection when the communication software for another series of splicer is running.

Perform Windows Update

Operating System must be updated by latest update.

Perform Windows Update before starting installation.

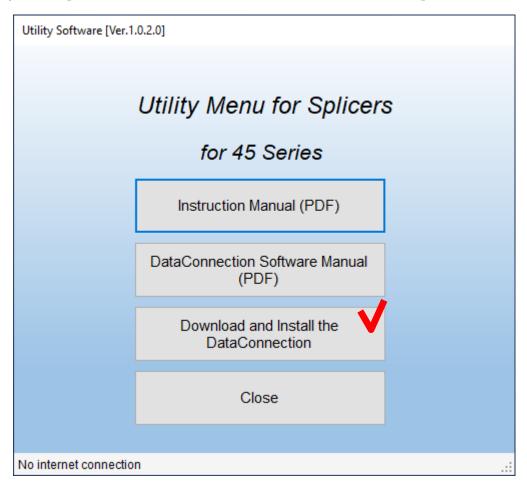
To go to Windows Update, select [Start] > [Setting] > [Windows Update].

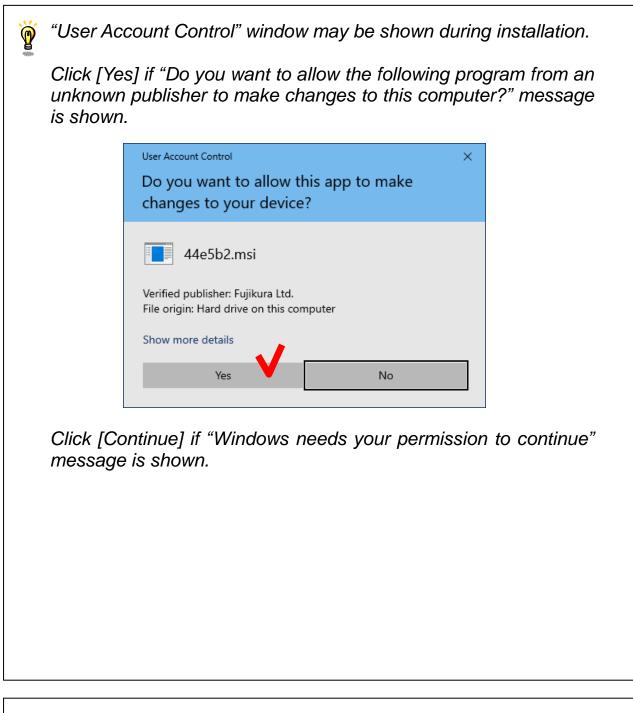


Internet connection is necessary in order to perform Windows Update .

4 Install the Software

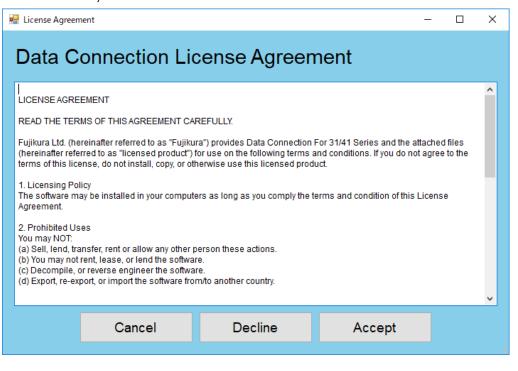
- (1) Confirm that the PC has connected to the Internet.
- (2) Confirm that the USB cable is NOT connected.
- (3) Double click the shortcut to the utility software on the desktop.
- (4) Click [Download and Install the Data Connection].





If you run the installer without administrator privilege, the following message may be shown. In this case, login with an administrator account, and run the installer.

(5) License Agreement confirmation window will be shown. Click [Accept] button if you accept the License Agreement. If you do not accept the License Agreement, click [Decline] button. In this case, installation will be cancelled.



If the DataConnection has already been installed, the uninstall menu will be shown.

(6) Installation of necessary software and driver will start.

Necessary software and driver for Data Connection

- Microsoft .NET Framework 4 Client Profile or higher
- Microsoft Visual C++ 2010 Redistributable
- •USB Driver

(a) Installation of Microsoft .NET Framework 4 Client Profile

If "Microsoft .NET Framework 4 Client Profile" or higher hasn't been installed, [Microsoft .NET Framework 4 Client Profile Setup] window will be shown.

If the installation is not necessary, the following window will not be shown. Proceed to following page

Check [I have read and accept the license terms] and click [Install] button.

Microsoft .NET Framework 4 Cl	ient Profile Setup	
.NET Framework 4 Client Profi Please accept the license tern		Microsoft
MICROSOFT So		* *
Download size estimate: Download time estimates:	0 MB Dial-Up: 0 minutes Broadband: 0 minutes	
		Instal

When the following window is shown, click [Finish] button to complete the installation.

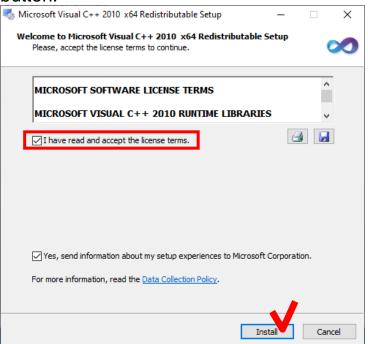
Microsoft .NET Framework	4 Client Profile Setup
Microsoft* .NET	Installation Is Complete
	Check for more recent versions on <u>Windows Update</u> .
	Finish

(b) Installation of Microsoft Visual C++ 2010 Redistributable

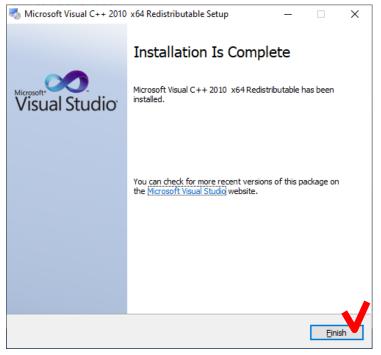
If "Microsoft Visual C++ 2010 Redistributable" has not been installed, [Microsoft Visual C++ 2010 Redistributable Setup] window will be shown.

If the installation is not necessary, following window will not be shown. Proceed to following page

Check [I have read and accept the license terms] and click [Install] button.



When the following window is shown, click [finish] button to complete the installation.



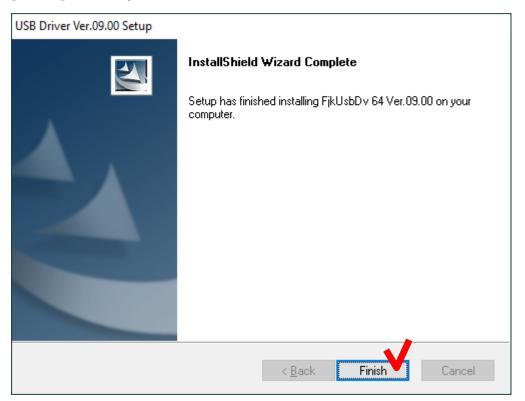
(c) Uninstallation of existing USB driver

If the old version of USB driver has been installed, [Confirm Uninstall] window will be shown.

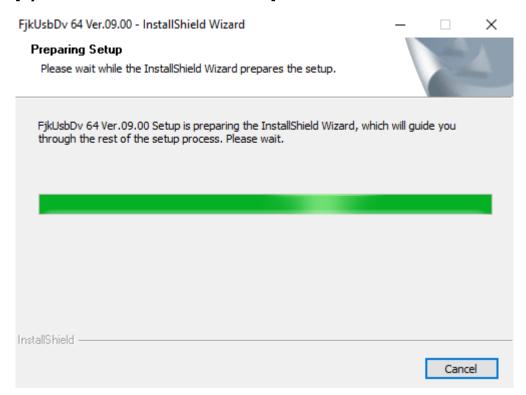
If the uninstallation is not necessary, the following window will not be shown. Proceed to following page

Click [OK].

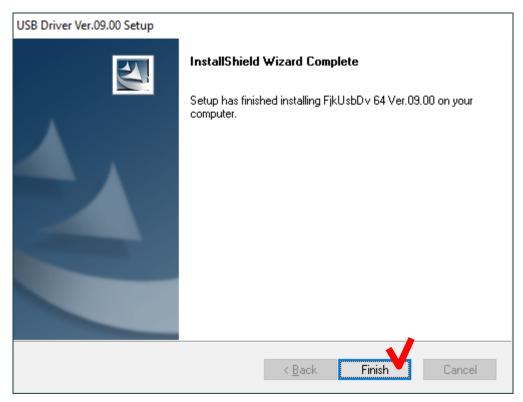
When the following window is shown after the uninstallation, click [finish] to complete the uninstallation.



(d) Installation of USB driver [FjkUsbDv InstallShield Wizard] window will be shown.



When the following window is shown after the installation, click [Finish] to complete the installation.



If the following message is shown, click [Install].



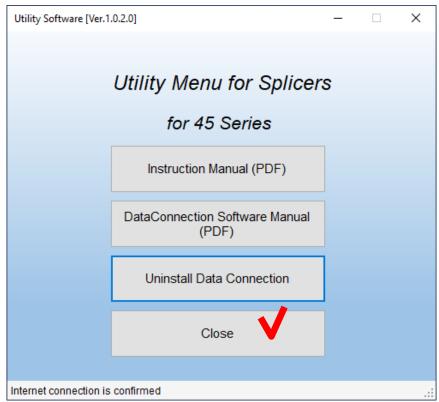
If the following security message was shown, click "Install this driver software anyway".



- (7) Installation of the main program of Data Connection will start.
- (8) When the following message is shown, click [OK] button to complete the installation.



(9) Click [Close] button to close the menu.



(10) Install device driver.

P

Turn on the splicer and connect to the PC with USB cable.

"Installing device driver software" message will be shown at notification area in task bar.



When the driver installation is complete, "Device driver software installed successfully" message will be shown.



If the "Device driver software installed successfully" message was not shown in a few minutes, please read [Installation of the Device Driver Failed] in [Chapter 7: Troubleshooting]

5 How to use the Data Connection

Double-click the shortcut on the desktop or click "Data Connection For 45 Series" in the [Start] > [All Programs] > [Fujikura] menu.



If the Data Connection does not run, please read [Data Connection Does Not Run] in [Chapter 7: Troubleshooting]

Turn on the splicer and connect to PC with USB cable.

If the USB communication is ready, "CONNECTED" message will be shown at the bottom left of Data Connection window.

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CONNE	CTED Model: 45S Versi	UII. 00.53 Senai No., FAC/158E0	R15D021			

If the "CONNECTED" message was not shown, please read [USB Communication Doesn't Work] in [Chapter 7: Troubleshooting]

5.1 Splice Result Memory

In [Memory] page, the splice result memory can be downloaded and saved.

- Splice result memory can only be downloaded. P
 - It can not be uploaded to splicer.

Download Splice Result Memory 5.1.1

(1) Confirm that the splicer is in "READY" state.

P Press "RESET" key to change the splicer to "READY" state.

(2) Select [Memory] page, and click [Download All Memories] button to download all stored splice results.

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5.1.2 Save Splice Result Memory

(1) Click [Save File] or [Save As .XLS] button to save the splice result memories.

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		u—	<u> </u>				
րեղ Spli	ce Result	h Camera Image					
opi							
Memory No.	Date	Comment	Fiber Type	Mode Title 1	Mode Title 2	Estimated Loss	Cladd
No.1	2000/01/22 22:04:50		G652/SM A	G652/SM AUTO		0.00 dB	
No.2	2000/01/22 22:17:48		G652/SM A	G652/SM AUTO		0.00 dB	
No.3	2000/01/22 22:19:28		G652/SM A	G652/SM AUTO		0.01 dB	
No.4	2000/01/22 22:22:30		G652/SM A	G652/SM AUTO		0.00 dB	
No.5	2000/01/22 22:24:05		G652/SM A	G652/SM AUTO		0.01 dB	
No.6	2000/01/22 22:25:34		G652/SM A	G652/SM AUTO		0.00 dB	
No.7	2000/01/22 22:29:47		G652/SM A	G652/SM AUTO		0.00 dB	
No.8	2000/01/22 22:30:43		G652/SM A	G652/SM AUTO		0.00 dB	
No.9	2000/01/22 22:31:47		G652/SM A	G652/SM AUTO		0.00 dB	
No.10	2000/01/22 22:37:10		G652/SM A	G652/SM AUTO		0.00 dB	
No.11	2000/01/22 22:38:38		G652/SM A	G652/SM AUTO		0.00 dB	
No.12	2000/01/22 22:39:53		G652/SM A	G652/SM AUTO		0.00 dB	
No.13	2000/01/22 22:48:31		G651/MM A	G651/MM AUTO		0.00 dB	
No.14	2000/01/22 22:49:53		G651/MM A	G651/MM AUTO		0.00 dB	
No.15	2000/01/22 22:51:06		G651/MM A	G651/MM AUTO		0.00 dB	
No.16	2000/01/27 20:46:04		G652/SM A	G652/SM AUTO		0.02 dB	
No.17	2000/01/27 20:47:03		G652/SM A	G652/SM AUTO		0.01 dB	
No.18	2000/01/27 20:47:54		G652/SM A	G652/SM AUTO		0.00 dB	
No.19	2000/01/27 20:48:47		G652/SM A	G652/SM AUTO		0.01 dB	
							>
					Start No. 1	d No. 1000 Do	wnload
	D	ownload All Memories	Ope	en File	Save File 🗸	Save As . 2	XLSX
ONNECTED	Model: 45S Version	00.53 Serial No : E	C7158E0RT50	007T			

[Save File]

Data is saved to a file. Only Data Connection can open this data file.

[Save As .XLS]

Data is exported as XLS file so that the data can be opened by Microsoft Excel. Note that Data Connection cannot open this exported file.

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0.00 dB 0.00 dB 0.00 dB 0.00 dB 0.00 dB 0.02 dB 0.01 dB

0.00 dB

0.01 dB

Start No. 1 End No. 1000

5.1.3 **Open Splice Result Memory Data**

P This function is available without USB connection.

P Splice result memory data cannot be opened when a different model of splicer is connected.

Select [Memory] page, and click [Open File] button. When the file open dialog is shown, select the saved file.

🔵 Data C	Connection For	45 Series [Version	1.0.0.0]							-		×
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												.::
CONNEC	CTED	Model: 45S	Version: 00.53	Serial No.: FXC7	1S8E0RT5	D0ZT						.::
		Data Connection	For 45 Series [Version 1.0.0.0						- ×			
		F	Memory	Setting	gs	Firmware	Update					
		🕒 Spli	ce Result	ት Camera Image								
		Memory No. No.1	Date 2000/01/22 22:04:50	Comment		Mode Title 1 G652/SM AUTO	Mode Title 2	Estimated Loss 0.00 dB	Claddi			
		No.2 No.3	2000/01/22 22:17:48 2000/01/22 22:19:28			G652/SM AUTO G652/SM AUTO		0.00 dB 0.01 dB				

G652/SM A... G652/SM AUTO G652/SM A... G652/SM AUTO

G652/SM A... G652/SM AUTO G652/SM A... G652/SM AUTO G652/SM A... G652/SM AUTO G652/SM A... G652/SM AUTO G652/SM A... G652/SM AUTO G652/SM A... G652/SM AUTO

G652/SM A... G652/SM AUTO G652/SM A... G652/SM AUTO

G651/MM A... G651/MM AUTO

G651/MM A... G651/MM AUTO G651/MM A... G651/MM AUTO G651/MM A... G651/MM AUTO G652/SM A... G652/SM AUTO G652/SM A... G652/SM AUTO

G652/SM A... G652/SM AUTO G652/SM A... G652/SM AUTO

CONNECTED --- Model: 45S Version: 00.53 Serial No.: FXC71S8E0RT5D0Z

2000/01/22 22:19:28 2000/01/22 22:22:30

2000/01/22 22:24:05 2000/01/22 22:24:05 2000/01/22 22:25:34 2000/01/22 22:29:47 2000/01/22 22:30:43 2000/01/22 22:31:47 2000/01/22 22:37:10

2000/01/22 22:38:38

2000/01/22 22:39:53

2000/01/22 22:48:31

2000/01/22 22:48:31 2000/01/22 22:49:53 2000/01/22 22:51:06 2000/01/27 20:46:04 2000/01/27 20:47:03

2000/01/27 20:47:54

2000/01/27 20:48:47

No.2 No.3 No.4 No.5 No.6 No.7 No.8 No.9 No.10 No.11 No.12 No.13 No.14 No.15 No.16 No.17 No.18 No.19

5.2 Download, Save, Edit and Upload Settings

In [Settings] page, the splice settings can be downloaded, saved, edited and uploaded. [Setting] page consists of 3 additional pages.

Please note that some items are displayed on the page which is different from splicer.

Item	Page in Splicer	Page in Data Connection		
Splice Mode	Splice Settings	Splice Mode Settings		
Heater Mode	Heater Settings	Heater Mode Settings		
Pause	Splice Settings			
Auto Start	Splice Settings			
Splice Settings		Other Settings		
Maintenance Settings	Setting Menu	Other Settings		
Machine Settings	Setting Menu			
Menu Lock Settings				

5.2.1 Download Settings

Confirm that the splicer is in "READY" state.

Press [RESET] key to change the splicer to "READY" state.

Select [Settings] page.

🔵 Data (Connection For 45 Series [Version 1.0.0	0]			_	
	Memory	Settings	Firr	nware Update		
ß	Splice Mode Settings	Heater Mode Settin	igs 🕒	Other Settings		
			Start No. 1	End No. 100	Upload	Download
	Upload All Settings	Download All Settings	Open File	Save File	Save A	s . XLSX
CONNE	CTED Model: 45S Versi	on: 00.53 Serial No.: FXC71S8	EORT5D0ZT			

Download all of [Splice Mode Settings], [Heater Mode Settings] and [Other Settings]

Click [Download All Settings] button

Download one of [Splice Mode Settings], [Heater Mode Settings] and [Other Settings]

Select page you want to download, and click [Download] button. (In above picture, [Splice Mode Settings] will be downloaded.)

In [Splice Mode Settings] and [Heater Mode Settings] page, you can select the mode number to download specifying [Start No.] and [End No.].

5.2.2 Save Settings

Click [Save File] or [Save As .XLS] button to save the settings. When file save dialog is shown, input file name and destination.

🔵 Data Connection For 45 Series [Vers	ion 1.0.0.0]				_	
Memory	Ē	Settings	Firmwa	are Update		
[뜨 Splice Mode Setti		ten Mada Ostfinna		the set Cetting as		
	Hea	ter Mode Settings	<u> </u>	ther Settings		
	No.1	No.2	No.3	No.4	No.5	No
Fiber Type	G652/SM AUTO -	G655/NZ AUTO	G653/DS AUTO	G651/MM AUTO	G657/BIF AUTO	G652/SN
Mode Title 1	G652/SM AUTO	G655/NZ AUTO	G653/DS AUTO	G651/MM AUTO	G657/BIF AUTO	G652/
Mode Title 2						
AUTO/FAST Mode						
Re-Fusing Time [ms]	800	800	800	800	800	
Proof Test	ON -	ON -	ON -	ON -	ON -	
Cleaning Fuse [ms]	150	150	150	150	150	
Active Fusion Control	ON -	ON -	ON -	ON -	ON -	
Fusing Power [bit]	AUTO	AUTO	AUTO	AUTO	AUTO	
Fusing Time [ms]	AUTO	AUTO	AUTO	AUTO	AUTO	
Estimating Mode	WSI -	WSI -	WSI -	CLAD -	WSI -	
MFD [µm]	9.3	9.8	8.6	62.5	9.3	
Minimum Loss [dB]	OFF	OFF	OFF	OFF	OFF	
Core Bending Coef.	1.00	1.00	1.00	0.00	1.00	
Cleave Angle Limit [°]	3.0	1.5	1.5	5.0	3.0	
Cleave Shape Error	NORMAL -	NORMAL -	NORMAL -	NORMAL -	NORMAL -	NO
Loss Limit [dB]	0.20	0.20	0.20	0.20	0.20	
Fiber Angle Limit [°]	1.0	1.0	1.0	2.0	1.0	
Bubble Sensitivity	STANDARD -	STANDARD -	STANDARD -	STANDARD -	STANDARD -	STAN
r						>
			Start No. 1	End No. 100	Upload [Download
Upload All Setting	s Download Al	Settings	Open File	Save File	Save As	. XLSX
ONNECTED Model: 455	Version: 00.53 Ser	ial No : EXC71S8E0E	T5D07T			

[Save File]

Data is saved to a file. Only Data Connection can open this data file.

[Save As .XLS]

Data is exported as XLS file so that the data can be opened by Microsoft Excel. Note that Data Connection cannot open this exported file.

5.2.3 Open Settings Data

This function is available without USB connection.

Select [Settings] page and click [Open File]. When file open dialog is shown, select the saved file.

🔵 Data	Connection For 45 Series [Version 1.0.0	.0]			—	
	Memory	Settings	Firm	nware Update		
ß	Splice Mode Settings	Heater Mode Setting	s 🕒	Other Settings		
			Start No. 1	End No. 100	Upload D	ownload
	Upload All Settings	Download All Settings	Open File	Save File	Save As	. XLSX
						.:!
CONNE	ECTED Model: 45S Vers	ion: 00.53 Serial No.: FXC71S8E0	RT5D0ZT			.::

5.2.4 Edit Settings

Click the cell to edit.

There are specific methods to change the setting. Follow the Data Connection display to change the setting.

When the value of "Fiber Type" is changed, all parameters in the selected mode will be reset to original factory values.

When the value of "Sleeve Type" is changed, all parameters in the selected mode will be reset to original factory values.

(a) Select item from list.

[路 Splice Mode Set	tings 🕒	Hea	ter Mode Settings	[
		No.1		No.2	N
•	Fiber Type	G652/SM AUTO	÷	G655/NZ AUTO	G653/D
	Mode Title 1	G652/SM AUTO		G655/NZ AUTO	G653
	Mode Title 2	G655/NZ AUTO			
	AUTO/FAST Mode	G653/DS AUTO			
	Re-Fusing Time [ms]	G651/MM AUTO G657/BIF AUTO		800	
	Proof Test	G652/SM FAST		ON -	
	Cleaning Fuse [ms]	G655/NZ FAST		150	
	Active Fusion Control	G653/DS FAST		ON -	
	Fusing Power [bit]	G651/MM FAST G652/SM-SM		AUTO	
	Fusing Time [ms]	G655/NZ-NZ		AUTO	
	Estimating Mode	G653/DS-DS		WSI -	
	Estimating Mode	C651/MM MM		TUSI -	

(b) Change value with bar.

Fiber Type	G652/SM AUTO 🔫	G655/NZ AUTO 🔫	G653/DS
Mode Title 1	G652/SM AUTO	G655/NZ AUTO	G653/I
Mode Title 2			
AUTO/FAST Mode			
Re-Fusing Time [ms]	800	800	
Proof Test	ON -	ON -	
Cleaning Fuse [ms]	150	150	
Active Fusion Control	ON -	ON -	
Fusing Power [bit]	AUTO	AUTO	
Fusing Time [ms]	AUTO	AUTO	
Estimating Mode	WSI -	WSI -	
MFD [µm]	9.3	9.8	
Minimum Loss [dB]	OFF	OFF	
Core Bending Coef.	1.00	1.00	
Cleave Angle Limit [°]	3.0		
Cleave Shape Error	NORMAL -	NORMAL	NU
Loss Limit (dB1	0.20	0.20	



(c) Input with keyboard directly.

_	Splice Mode Settin	gs 🕒 Heater Mode	e Settings
		No.2	No.3
	Sleeve Type	60mmS / FP-03 (250um) -	60mmS / FP-03 (25
•	Mode Title 1	60mm S	
	Mode Title 2	FP-03 (250um)	FP-03
	Heat Time [sec]	18	
	Heat Temperature [*C]	230	
	Finish Temperature [*C]	100	

5.2.5 Upload Settings

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Confirm that the splicer is in "READY" state.

Press [RESET] key to change the splicer to "READY" state.

<u>Upload all of [Splice Mode Settings], [Heater Mode Settings] and [Other Settings]</u>

Click [Upload All Settings] button

<u>Upload one of [Splice Mode Settings], [Heater Mode Settings] and [Other Settings]</u>

Select the page you want to upload, and click [Upload] button. (In the following picture, only [Splice Mode Settings] will be uploaded.)

Data Connection For 45 Series [Ver	sion 1.0.0.0]		_		_			
Memory	F	Settings	Firmw	are Update				
C Splice Mode Sett	ings 🕒 Hea	ater Mode Settings	Ľ c	ther Settings				
	11-1							
	No.1	No.2	No.3	No.4	No.5	No		
Fiber Type	G652/SM AUTO -	G655/NZ AUTO 🝷	G653/DS AUTO 🝷	G651/MM AUTO -	G657/BIF AUTO			
Mode Title 1	G652/SM AUTO	G655/NZ AUTO	G653/DS AUTO	G651/MM AUTO	G657/BIF AUTO	G652/		
Mode Title 2								
AUTO/FAST Mode								
Re-Fusing Time [ms]	800	800	800	800	800			
Proof Test	ON -	ON -	ON -	ON -	ON -			
Cleaning Fuse [ms]	150	150	150	150	150			
Active Fusion Control	ON -	ON -	ON -	ON -	ON -			
Fusing Power [bit]	AUTO	AUTO	AUTO	AUTO	AUTO			
Fusing Time [ms]	AUTO	AUTO	AUTO	AUTO	AUTO			
Estimating Mode	WSI -	WSI -	WSI 🔸	CLAD -	WSI -			
MFD [µm]	9.3	9.8	8.6	62.5	9.3			
Minimum Loss [dB]	OFF	OFF	OFF	OFF	OFF			
Core Bending Coef.	1.00	1.00	1.00	0.00	1.00			
Cleave Angle Limit [°]	3.0	1.5	1.5	5.0	3.0			
Cleave Shape Error	NORMAL -	NORMAL -	NORMAL -	NORMAL -	NORMAL -	NO		
Loss Limit [dB]	0.20	0.20	0.20	0.20	0.20			
Fiber Angle Limit [°]	1.0	1.0	1.0	2.0	1.0			
Bubble Sensitivity	STANDARD -	STANDARD -	STANDARD -	STANDARD -	STANDARD	STAN		
						>		
			Start No. 1	End No. 100	Upload	Download		
Upload All Settings Download All Settings Open File Save File Save As . XLSX								
	D. Marcian 00 50 - 0							
ONNECTED Model: 45	S Version: 00.53 Ser	rial No.: FXC71S8E0F	K15D0Z1					

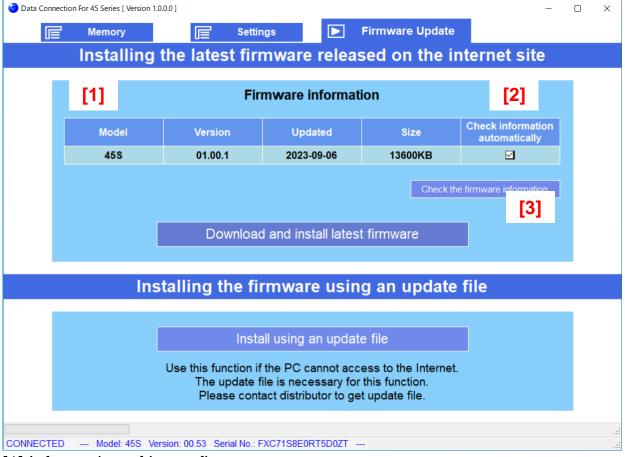
In [Splice Mode Settings] or [Heater Mode Settings] page, you can select the mode number to upload specifying the [Start No.] and [End No.]

5.3 Firmware Update

[Firmware Update] page provides firmware update function of the splicer.

When the PC is connected to internet, DataConnection downloads firmware update file from our server and installs it to the splicer.

Otherwise, if you have the firmware update file, the firmware can be installed to splicer using Data Connection without internet connection.



[1] Information of latest firmware

- [2] Checkbox to enable check of the firmware information at logon. When the information is updated, message will be shown.
- [3] Button to check the firmware information.

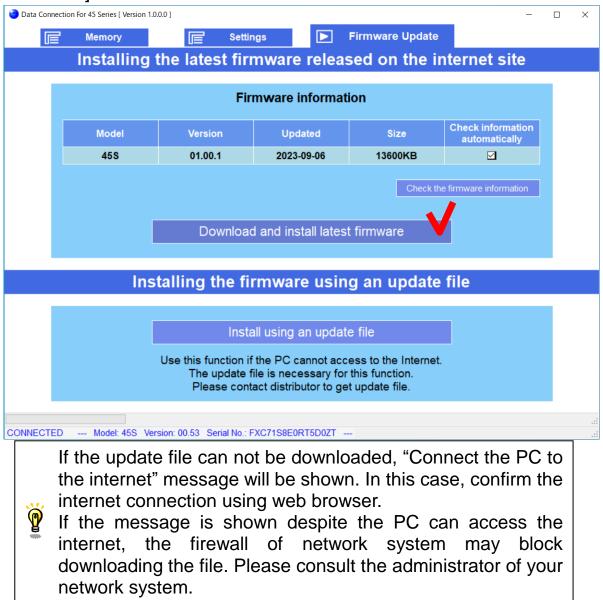
5.3.1 Install the Latest Firmware Released on the Internet

- During firmware installation,
- Do not turn off the splicer.
 - Do not disconnect USB cable.

(1) Confirm the following

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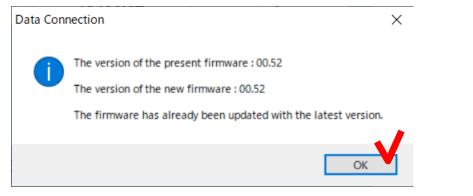
- The splicer is connected to PC with USB cable.
- The splicer is in "READY" state.
- The PC is connected to Internet.
- (2) Select [Firmware Update] page, and click [Download and install latest firmware] button.



(3) Firmware update will start, and status bar at bottom left of Data Connection will progress.

Data Connectio	on For 45 Series [Version 1.0.	0.0]			— [
F	Memory	Settin	ngs	Firmware Update		
	Installing f	the latest fir	mware releas	sed on the i	nternet site	
		Fir	mware informat	ion		
- 1	Model	Version	Updated	Size	Check information automatically	
	45S	01.00.1	2023-09-06	13600KB		
	Inst		d and install lates		file	
				5		
		Insta	all using an updat	e file		
		The update f	the PC cannot acc ile is necessary for act distributor to ge	this function.		
		g Firmware sion: 00.50 Serial No.: F				

If the latest firmware has already been installed to the splicer, the following message will be shown and firmware will not updated.



(4) When the "Firmware update is Completed. Splicer will restart." message is shown, click [OK] button to finish the update. Confirm that the splicer restarts and "READY" state is indicated on screen.

If the firmware update failed, the following problem will occur • The splicer can not be turned on.

(The splicer does not restart after firmware update)

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• "READY" state is not indicated on screen although the splicer is turned on.

When above problem occurs, please read [Installation of Firmware Failed] in [Chapter 7: Troubleshooting]

5.3.2 Install the Firmware Using an Update File

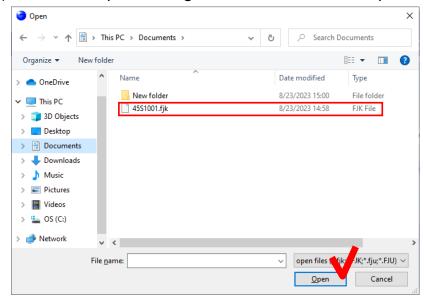
- During firmware installation,
- Do not turn off the splicer.
 - Do not disconnect USB cable.
- (1) Confirm the following

P

- The splicer is connected to PC with USB cable.
- The splicer is in "READY" state.
- (2) Select [Firmware Update] page, and click [Install using an update file] button.

Data Connect	tion For 45 Series [Version 1.0.	0.0]				
F	Memory	Settir	ngs	Firmware Update		
	Installing t	he latest firi	mware releas	sed on the i	nternet site	
		Fin	mware informat	ion		
	Model	Version	Updated	Size	Check information automatically	
	45S	01.00.1	2023-09-06	13600KB		
				Check t	ne firmware information	
				Check I	le limiware information	
		Dowpload	d and install lates	firmwara		
		Download		Inniware		
	Inst	alling the fi	rmware usin	g an update	file	
		Insta	all using an update	e file		
		Line this function if				
			the PC cannot acc ile is necessary for		•	
		Please cont	act distributor to ge	t update file.		
) Model: 45S Vers	sion: 00.53 Serial No.: F		-		

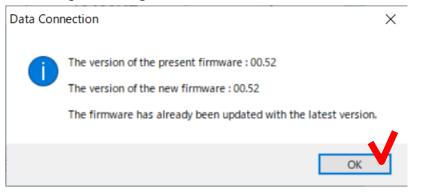
(3) When file open dialog is shown, select the update file.



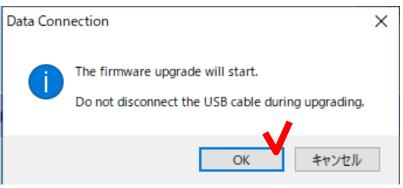
(4) Firmware update will start, and status bar will progress.

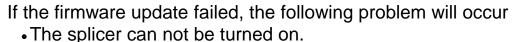
ta Connectior	n For 45 Series [Version 1.0	0.0.0]			_
F	Memory	Setti	ngs	Firmware Update	
	Installing	the latest fir	mware releas	sed on the i	nternet site
		Fir	rmware informat	ion	
	Model	Version	Updated	Size	Check information automatically
	45S	01.00.1	2023-09-06	13600KB	
	Ins		d and install latest		e file
		Use this function i The update	all using an update f the PC cannot acc file is necessary for tact distributor to ge	ess to the Internet this function.	L
	Upgradir	ng Firmware			

If the latest firmware has already been installed to the splicer, the following message will be shown and firmware will not updated.



(5) When the "Firmware update is Completed. Splicer will restart." message is shown, click [OK] button to finish the update. Confirm that the splicer restarts and "READY" state is indicated on screen.



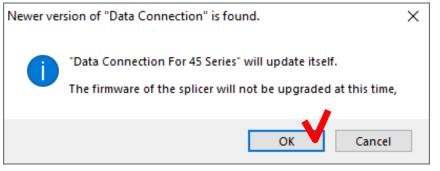


- The splicer can not be turned on.
- (The splicer does not restart after firmware update)
- "READY" state is not indicated on screen although the splicer is turned on.

When above problem occurs, please read [Installation of Firmware Failed] in [Chapter 7: Troubleshooting]

5.4 Update Data Connection

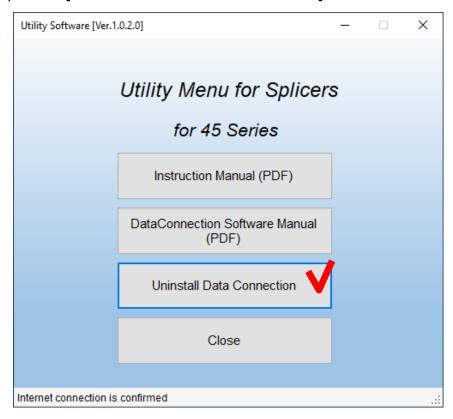
Data Connection has self-update feature. If the following message is shown when Data Connection is starting, click [OK] to start updating Data Connection.



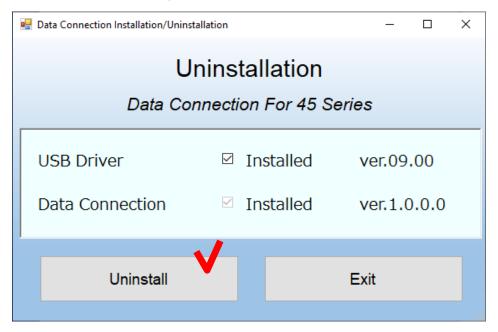
P Internet connection is necessary for self-update.

6 Uninstall the Data Connection

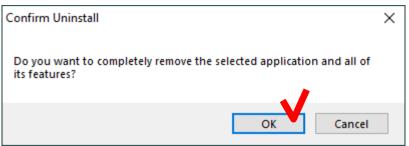
- (1) Confirm that the USB cable is NOT connected.
- (2) Double click the shortcut to the utility software on the desktop.
- (3) Click [Uninstall the Data Connection] button.



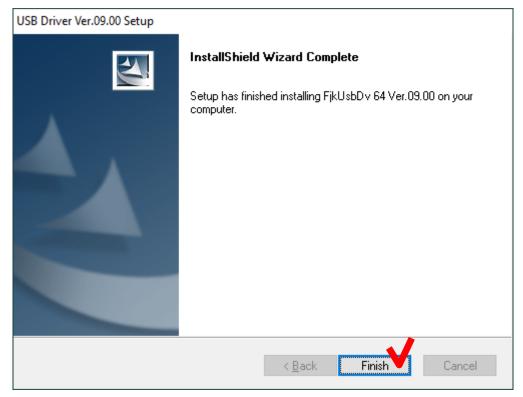
(4) When the following window is shown, click [Uninstall] button.



(5) When the [Confirm Uninstall] message is shown, click [OK] button to continue.



(6) When [Maintenance Complete] window is shown, click [Finish] button.



(7) When the following message is shown, click [OK] to complete installation.



(8) Click [Close] button to close the menu.

	Utility Menu for Splicers	5
	for 45 Series	
	Instruction Manual (PDF)	
	DataConnection Software Manual (PDF)	
	Download and Install the DataConnection	
	Close	
No internet connectio		

7 Troubleshooting

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When trouble occurs during installation or when using Data Connection, please read this chapter.

If the trouble is not fixed despite performing the following procedure, please contact us.

7.1 Installation of the Device Driver Failed

When first connecting to PC, the device driver should be installed automatically. If the installation failed, install device driver according to procedure listed in the following pages. (1) Open the "Device Manager" menu with procedure as follows.

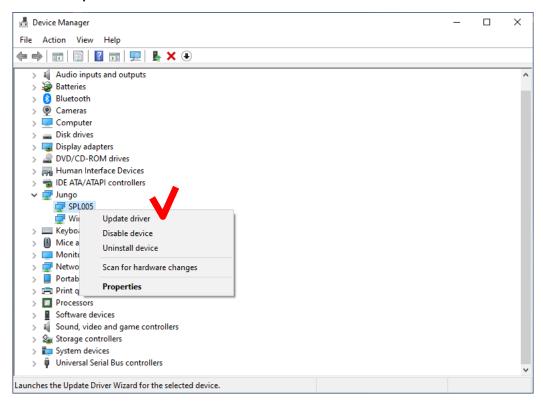
In case of Windows 10

Right-click on the Windows icon on the bottom left and select [Device Manager].

(2) Right-click on "SPL005" of "SPL002" in the [Jungo] or [Other devices] and select "Update Driver Software...".

If "SPL005" is not listed, confirm the following.

- The splicer is connected to PC with USB cable.
- The splicer is turned on.



(3) Click "Browse my computer for driver software".

ow do you want i	to search for drivers	?		
	atically for drivers ch your computer for the	best available driver a	nd install it on	
	mputer for drivers a driver manually.			

(4) Click [Browse...] and select "C:\FjkUsbDv". After selecting, check [Include subfolders] and click [Next] button.

		\times
←	Update Drivers - SPL005	
	Browse for drivers on your computer	
	Search for drivers in this location:	
	C:\FjkUsbDv	
	Include subfolders	
	→ Let me pick from a list of available drivers on my computer This list will show available drivers compatible with the device, and all drivers in the same category as the device.	
	Next	Cancel

- (5) When "Windows Security" message is shown, click "Install this driver software anyway".
- (6) When the following window is shown, click [Close] button

		\times
←	Update Drivers - SPL005	
	Windows has successfully updated your drivers	
	Windows has finished installing the drivers for this device:	
	SPL005	
	Close	

(7) Close "System Properties" and "Device Manager".

7.2 Data Connection Does Not Run

Data Connection is not shown although the icon was clicked

- (a) Windows may not be updated to latest version. Perform Windows Update to update Windows.
- (b) Memory capacity or CPU speed may be insufficient to meet the system requirement.
 - Close other running applications.
 - Confirm that memory capacity and CPU speed meet the system requirement.

".NET Framework Initialization Error" is shown when Data Connection is launched

(a) Windows may not be updated to the latest version. Perform Windows Update to update Windows.

.NET Framework error is shown when Data Connection is launched

(a) Windows may not be updated to the latest version. Perform Windows Update to update Windows.

7.3 Installation of Firmware Failed

If the installation of firmware failed, the following problem will occur. When the problem occurs, perform the following procedure to install the firmware again.

- The splicer cannot be turned on (Splicer does not restart after installation).
- The splicer turns on, but "READY" state is not indicated.
- (1) Turn off the splicer.
- (2) Then keep holding down the [RESET] key and turn on the splicer again. (Keep holding down keys until "SOFTWARE UPDATE MODE" is indicated on the screen.)
- (3) In the [Firmware Update] page of Data Connection, click [Download and install latest firmware] button to install the firmware again.

If the update failure persists or you have some questions about this procedure, please contact us.

7.4 USB Communication Doesn't Work

Confirm that the "CONNECTED" is indicated at bottom left of Data Connection window.

"DISCONNECTED" is indicated

- (a) Confirm that the splicer is connected to PC with USB cable.
- (b) Confirm that the splicer is turned on.
- (c) Confirm that the splicer is in "READY" state. Press [RESET] key to change splicer to "READY" state.
- (d) If the external USB hub is used, connect the USB cable to PC directly.
- (e) USB driver may not be installed correctly. Install the Data Connection again.

<u>"Communication Error" message was shown during downloading or uploading ("CONNECTED" is indicated)</u>

- (a) Confirm that the splicer is in "READY" state.
 - Press [RESET] key to change splicer to "READY" state.
- (b) If the external USB hub is used, connect the cable to PC directly.
- (c) The firmware version of splicer may not be the latest. If the firmware is not the latest, update the firmware of splicer.

8 Contact Address



Inquiries concerning products should be made to the nearest distributor or one of the following:

Fujikura Europe Ltd. C51 Barwell Business Park Leatherhead Road, Chessington, Surrey KT9 2NY, UK General inquiries: +44-20-8240-2000 Service & support: +44-20-8240-2020 URL https://www.fujikura.co.uk

AFL

110 Hidden Lake Circle, Duncan, SC29334, USA General inquiries: +1-800-235-3423, Option 2 Service & support: +1-800-866-3602 URL https://www.aflglobal.com

Fujikura Asia Ltd. 438A Alexandra Road, Block A Alexandra Techno Park #08-03, SINGAPORE, 119967 General inquiries, service & support: +65-6-278-8955 URL https://www.fujikura.com.sg

Fujikura Ltd. 1-5-1 Kiba, Koto-ku, Tokyo 135-8512, Japan General inquiries: +81-3-5606-1164 Service & support: +81-43-484-3962 URL https://www.fujikura.com

Fujikura (CHINA) Co., Ltd 7thFloor, Shanghai Hang Seng Bank Tower, 1000 Lujiazui Ring Road, Pudong New Area, Shanghai 200120, CHINA General inquiries, service & support: +86-21-6841-3636 URL https://www.fujikura.com.cn

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