

Flex Signal Setup Manual

Ver. 8.5

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Introduction

This document summarizes how to set up Flex Signal.

Revision History

Ver.	Date	Revision details					
1.0	Oct. 27, 2014	First edition					
1.1	Mar. 25, 2015	Modified the language.					
2.0	Sep. 3, 2015	Changed the procedure because the installer was added.					
2.1	Jun. 21, 2016	Added the contact email address for inquiries about					
		authentication key issuance.					
2.2	Jan. 6, 2017	Added notes for users who perform installation.					
		Added a description about signal lamp settings.					
2.3	Feb. 22, 2017	Added a description about the recommended operating					
		environment.					
3.0	May 25, 2017	Changed and added descriptions about how to display the					
		menu.					
		Added the uninstallation procedure.					
4.0	May 7, 2018	Changed the description about the recommended operating					
		environment.					
		Added the procedures for Windows 10 and Windows Server					
		2016 to the IIS settings.					
		Modified screenshots.					
4.1	Jun. 28, 2018	Changed the menu screenshot.					
4.2	Aug. 1, 2018	Modified the language.					
4.3	Aug. 16, 2018	Added details about preparation checks.					
		Added FAQs.					
5.0	Jun. 1, 2019	Modified the language.					
6.0	Jun. 1, 2020	Added contents to FAQs.					
6.1	Jun. 5, 2020	Changed the Basic settings screen.					
7.0	Jul. 31, 2020	Changed license authentication method to on website.					
8.0	Mar. 1, 2021	Added LA6-POE setup method.					
		Added license authentication for the case installing from CD-					
		ROM.					
0.4	Aug. 04, 0004	Deleted the address and the nome page links.					
8.1	Aug. 31, 2021	Changed the menu screenshot.					
8.2	Dec. 8, 2022	Changed the framework of operating environment to .NET					
		Framework 4.0.					
		Added description about ASP.NET and .NET Extensibility					
0.0	Fab 9 2024	Versions on no settings.					
0.0	FED. 0, 2024						
8.1	lup 3 2024	Framework / Browser version undate					
0.4 9.5	Jun 2 2025	Added Windows Sorver 2022 and Windows Sorver 2025 to					
0.0	Jun. 2, 2025	Added WillidowsServer2022 and WillidowsSerVer2025 to					

Table of Contents

1.	1. Operating Environment					
2.	Prepa		7			
	(1)	Before setup	7			
	(2)	Items required for setup	7			
3.	Settin	g Up IIS		8		
	(1)	Windows10,11	8			
	(2)	Windows Server 2016, 2019, 2022, 2025	11			
4.	Instal	ling the System		19		
5.	Chec	king System Operation		24		
	(1)	Confirming that the system starts up	24			
	(2)	Checking the website	25			
6.	Authe	enticating the License		32		
7.	Speci	fying Signal Lamp Settings		35		
8.	Unin	stallation		36		
9.	FAQs			39		
	(1)	"Next" cannot be clicked on the installation screen				
	(2)	Setup does not complete successfully				
	(3)	Data is not displayed even though installation is completed				
	(4)	Authentication fails				
	(5)	Data is not displayed even after signal lamp settings are specified				
	(6)	I want to display Flex Signal on another PC	41			
	(7)	"HTTP error" is displayed	41			
	(8)	Identification ID list is not displayed in the signal lamp settings				
	(9)	Total of the operation status graph exceeds 100%				
	(10)	I want to use LA6-POE				

List of Setup Items

No.	Setup item	Chapter
1	Operating Environment	1.
2	Preparation for Setup	2.
3	Setting Up IIS	3.
4	Installing the System	4.
5	Checking System Operation	5.
6	Authenticating the License	6.
7	Specifying Signal Lamp Settings	7.
	- End -	

* Check off completed items.

1. Operating Environment

Prepare the following PC environment to install the product.

Table 1: Recommended	environment
----------------------	-------------

No.	ltem	Environment
1	Recommended OS	Windows10, Windows11
-		Windows Server2016
		Windows Server2019
		Windows Server2022
		Windows Server2025
2	IIS	IIS 7.0 or later
3	Framework	.NET Framework 4.8
4	Browser	Chrome
5	User performing the installation	User with administrator privileges

2. Preparation for Setup

The following preparation is required before setup.

(1) Before setup

Be sure to confirm that the following operations are possible.

Table 1: Points to check before setu	р
--------------------------------------	---

No.	Item	
1	Communication between transmitters and receivers	
2	Communication between receivers and the PC where you will install the product (*1)	

*1: USB connection is not supported. Use a LAN connection.

(2) Items required for setup

Be sure to confirm that you have the following items at hand.

Table 2: Items required for setup

No.	ltem	Description					
1	FSSetup_x.x.x.exe	FlexSignal installer downloaded from the					
	(FlexSignal installer)	FlexSignal website					
2	Customer key	Key that was sent to you by TOKAI-SOFT in the					
		email [ユーザー情報登録完了のお知らせ] at the					
		time of registration as a user of FlexSignal *Customer key indicated on the license certificate if you have a CD-ROM installer (license certificate)					

* Flex Signal cannot be used with PATLITE WDS-AUTO2 and WDS - Win01. Exit WDS-AUTO2 before using Flex Signal.

3. Setting Up IIS

(1) Windows10,11

- 1. Select "Start Menu" "Windows System" "Control Panel."
- 2. Select "Programs"



Figure 1: Programs

3. Select "Turn Windows features on or off"



Figure 2: Turn Windows features on or off

Check the following items one by one and select "OK."

- (1) IIS Management Console
- (2) ASP.NET4.8 (ASP.NET 4.6 or later is fine.)
- (3) HTTP Errors
- (4) HTTP Redirection
- (5) Directory Browsing
- (6) Default Document
- (7) Static Content
- (8) .NET Extensibility 4.8 (.NET Extensions or .NET Extensibility 4.6 or later is fine.)
- (9) ISAPI Filters
- (10) ISAPI Extensions



Figure 3: Items set by IIS settings

(2) Windows Server 2016, 2019, 2022, 2025

- 1. Select "Start" "Windows System" "Control Panel."
- 2. Select "Turn Windows features on or off."

🖭 コントロール パネル	– 🗆 X
$\leftarrow \rightarrow \checkmark \uparrow \square \Rightarrow \neg h \square + h (\gamma + \mu) \rightarrow \gamma$	▶ ひ コントロール パネルの検索 り
コンピューターの設定を調整します	表示方法: カテゴリ ▼
システムとセキュリティ コンビューターの状態を確認 ・マイベントログの表示	ユーザー アカウント
ネットワークとインターネット 12ラーネットへの接続 ネットワークの状態とタスクの表示	デスクトップのカスタマイズ テーマの変更 時計、言語、および地域
ハードウェア デバイスとブリンターの表示 デバイスの追加	**********************************
プログラム <i>プログラムのアン (シストール</i> (Windows の機能の有効化または無効化	コン、サカ、よんは数値のルスの支ま コンピューターの簡単操作 設定の提高の表示 増置するコレムの最多化

Figure 4: Control Panel

- 3. Select "Server Roles."
- * If this item cannot be selected, click "Server Selection." This item will then become selectable.4. Select the "Web Server" check box and click "Next."

7	📥 サーバー マネージャー										-		×
▲ 役割と機能の追	自加ウィザード			- 0	×		🏲	管理	!(M) :	ツール(T)	表示(V)	~JI-7	^ƒ (Н)
開始する	前に		co	対象 LLON.4f.ng.1	サーバー ts-local						920	•	^
開始する前 インストール サーバーの違 サーバーの違 機能 確認 結果 結果	 没想と機能の追加タイザード サーバーの役割の提開 開始する前に インストールの種類 ウェバーの基状 サーバーの役割 サーバーの役割 地系 	選択したサーバーにインストールする役割を 1 つ以上選択します。		説明 Web サーバ (優れた, ス ノョン インフ	、 - (IIS)は スケーラガル ラストラク		ロ 対象サー N4Ingss-iot Pits、管理 eb アプリケー	× c- tal	-ル日8 時	寺 なし 管理: 昨日: リアル 設定 有効 (UTC- ライセ 2 GB 64 GE	thた更新 23:10 97仏保護: +09:00)大 Vス認証さ: 3 97.72 97.72	ナービス オフ 販、札 にていま トロート シ	
		< 前へ(P) 次	\(<u>N</u>) >		(ンストール	U	キャンセノ	١					~

Figure 5: Add Roles and Features wizard

5. Click "Add Features."

🔁 サーバー マネージャー					- □ >	×
🚵 役割と機能の追加ウィザード		-		🏲 🖷	理(M) ツール(T) 表示(V) ヘルプ(H)	
開始する前に		COLLON	対象サーバー I.4f.ng.ts-local		927 💌	^
 開始する前ご ペシストールの サーバーの ウーバーのの 構築 確認 オンストーのの 構築 サーバーの リーバーの リーバーの パンストーのの 構築 ホーバーの シーバーの受す 構築 ホーバーの シーバーの受す 株 確認 確認 融果 	10/ザード ① 理 打 ② 後部と機能の追加クイザード Web サーバー (IS) に必要な機能を追加しますか? ○ 機能を増強するには次のソールが必要ですが、同じサーバーにインスト ○ 受要はありません。 ④ Web サーバー (IS) ④ 智慧ソール ● 智慧ソール ● 智慧ソールを含める (存在する場合) ● 報題の追加 年秋	-ルす -ルす -ルす	-バー (IIS) は、6 、スケーラフルな ンプラストラクティ	□ × 対象ラ-パ- O.N.4fugis-local × 種種、管理性 Web アブリケー です。	 −ル日時 なし 管理された更新サービス 時日 23:10 リアルタイム保健:オフ 設定 有効 (UTC-09:00)大阪、札 ライセンス認証されている AMD Opteron(tm) Pr 2 GB 64 GB >> 	
	< 前へ(P) 次へ	(N) >	インストール(I)	キャンセル		~

Figure 6: Adding a web server

- 6. Select "Role Services" and select the following check boxes one by one.
 - (1) HTTP Errors
 - (2) Directory Browsing
 - (3) Default Document
 - (4) Static Content
 - (5) HTTP Redirection



Figure 7: Items added for common HTTP features

- 7. Click "Application Development" ".NET Extensibility 4.6." (.NET Extensions or .NET Extensibility 4.6 or later is fine.)
- 8. Click "Add Features."



Figure 8: Adding the .NET Extensibility 4.6

- Click "Application Development" "ASP.NET 4.6." (ASP.NET 4.6 or later is fine.)
- 10. Click "Add Features."

>	▶ 役割と機能の追加ウィザード		- 0 ×	
· ·				~
🏊 役割と機能の道	役割サービスの選択		対象サーバー COLLON <i>4</i> Eng.ts-local	M) ツール(T) 表示(V) ヘルプ(H)
開始する	開始する前に	Web サーバー (IIS) のインストールする役割サービス	を選択します ×	^
	インストールの種類	役割サービス	説明	927 💌
開始する前に	サーバーの選択		ASPNET は、マネージ コードを使用して	ール日時 なし
インストールの			Web サイトと Web アフリケーションを構築 た。 役割と機能の追加ウィザード	<u>管理された更新サービス</u> × B:10
サーバーの選び		■ 動司なコンテンツの圧縮 ▲ ▼ 状態と診断		
長能	役割サービス	ODBC 07	ASP.NET 4.6 に必要な機能を追加しますか?	イム保護:オフ
確認	確認	□ カスタム ロク □ トレース	ASPNET 4.6 をインストールする前に、次の役割サービスまたは機能	きもインストー
結果	結果	ログ ツール 要求の監視	4 Web #-//- (IIS)	09:00) 大阪、札
		▲ ▼プリケーション開発 .NET 拡張機能 3.5	▲ Web サーバー ▲ アプリケーション用発	ス認証されていま
		✓ .NET 拡張機能 4.6 Application Initialization	ISAPI 7/1/9-	
		ASP ASDNET 2.5	1941 I 36 35	Opteron(tm) Pri
		ASPNET 4.6		
		ISAPI フィルター		
		WebSocket プロトコル		
			☑ 管理ツールを含める (存在する場合)	
		FIP サービス FTP 拡張	機能の追加	キャンセル タスク マ
		▲ ✔ 管理ツール ▼ IIS 管理コンソール		\odot
		 IIS 6 管理互換 IIS 管理スクリプトおよびツール 		
		── 管理サービス	×	
			前A/D) 次A/AD > インフトールの キャンセル	v
		<		

Figure 9: Adding ASP.NET 4.6

11. Click "Next."



Figure 10: Items added for application features

12. Confirm that the following items are selected.

- (1) IIS Management Console
- (2) ASP.NET 4.6 (ASP.NET 4.6 or later is fine.)
- (3) ISAPI Extensibility
- (4) ISAPI Filters
- (5) .NET Extensibility 4.6 (.NET Extensions or .NET Extensibility 4.6 or later is fine.)
- (6) Default Document
- (7) Directory Browsing
- (8) HTTP Errors
- (9) HTTP Redirection
- (10) Static Content

13. Click "Install."

	🚵 役割と機能の追加ウイザード		-		– 🗆 X
🏊 役割と機能の違	インストール オプショ	コンの確認	COLLONA	対象サーバー 4f.ng.ts-local	M) ツール(T) 表示(V) ヘルプ(H)
開始する 開始する前 インストルの サーバーの没 機能 確認 結果	開始する前に インストールの種類 ナーバーの選択 サーバーの没割 機能 Web サーバーの役割 (IIS) 役割サービス 確認 結果	 選択したサ・バーに次の役割、役割サービス、または機能をインストールするには 必要に応じて対象サーバーを自動的に再起動する オブションの機能(管理ツールなど)は、自動的に選択されるため、このページにな のオブションの機能をインストールしない場合は、(前へ)をクリックして、チェック オ NET Framework 4.6 Features ASPNET 4.6 Web サーバー(IS) Web サーバー(IS) Web サーバー(IS) Web サーバー(IS) Web サーバー(IS) Web サーバー アブリケーション関発 ASPNET 4.5 USAPI 271/9 NET Trade USAPI 271/9 <l< th=""><th>、(インストール)をクリックして 表示されている可能性があ ポックスをオフにしてください。</th><th><th>タスフ ▼ ール日時 なし 管理された更新サービス 時 町日 23:10 リアルタイム保護: オフ 設定 有効 (UTC+09:00) 大阪、利 ライセンス認証されていま AMD Opteron(tm) Pr 2 G8 64 GB > クスク ▼</th></th></l<>	、(インストール)をクリックして 表示されている可能性があ ポックスをオフにしてください。	<th>タスフ ▼ ール日時 なし 管理された更新サービス 時 町日 23:10 リアルタイム保護: オフ 設定 有効 (UTC+09:00) 大阪、利 ライセンス認証されていま AMD Opteron(tm) Pr 2 G8 64 GB > クスク ▼</th>	タスフ ▼ ール日時 なし 管理された更新サービス 時 町日 23:10 リアルタイム保護: オフ 設定 有効 (UTC+09:00) 大阪、利 ライセンス認証されていま AMD Opteron(tm) Pr 2 G8 64 GB > クスク ▼
		< 前へ(<u>P</u>) 次へ(ℕ) >	インストール山	キャンセル	~

Figure 11: Installation check

🔤 サーバー マネージャー				- 🗆 X	
🔁 役割と機能の追加ウィザード			– 🗆 ×		- 🗆 X
インストールの進行	インストールの進行状況				□-ル パネルの検索 ・
 ■ ■ インストールの種類 サーバーの選択 	インストールの進行状況の表示 機能のインストール				
 サーバーの役割 機能 Web サーバーの役割(IIS) 役割サービス 確認 結果 	COLLON.4fugts-local でインストール作正 .NET Framework 4.6 Features ASPNET 4.6 Web サーバー (15) 管理ツール IIS 管理コンソール Web サーバー アブリケーション開発 ASPNET 4.6 ISAPI オイルター .NET 拡張機能 4.6	常に売了しました。		非表示	ξ.Ψ.
	Cのうパゲードを閉しても、実行中の処理が ページを再度関いたりするには、3マンドパー 機成設定のエクスポート	中断されることはありません。必要の進行: の (通知) をクリックし、(タスクの詳細) を ドヘ(P) 次へ(b) > 開 イベント パフォーマンス	状況を表示したり、この クリックします。 じる キャンセル		

14. When the installation is completed, click "Close."

Figure 12: Completion of installation

15. Click "Install." When installation is completed, click "Close."

4. Installing the System

1. Run "FSSetup_x.x.x.x.exe" downloaded from the download website.

*If you install the system from CD-ROM, insert the media and then run "FSSetup_x.x.x.x.exe".

The screen shown in "Figure 1: Setup screen" opens.

- * Perform this operation as a user with administrator privileges.
- * The x's in "FSSetup_x.x.x.x.exe" file to select represent numbers.

(Example: FSSetup_2.0.0.0.exe)

2. Select "Next."



Figure 1: Setup screen

3. Enter your customer key and select "Next."

*Please check the email "ユーザー情報登録完了のお知らせ" for the "customer key."

*If you install the system from CD-ROM, please check "license certificate."

* When the license is already authenticated, the screen shown in "Figure 2: Setup screen for entering the customer key" does not appear.

🐨 Flex Signal ver.14.2.0.0 Setup —		\times
Customer Key Please input Customer-Key.		
Customer Key (20 00000 - 00000 - 00000 - 00000 Customer Key is published by TOKAI-SOFT CO.,LTD If you don't have it, connect to TOKAI-SOFT CO.,LTD. please.	>	
Nullsoft Install System v3.08		Cancel

Figure 2: Setup screen for entering the customer key

4. Select "Install."

Choose Install Location	Autor							
Choose the folder in which to install Flex Signal ver. 14.2.0.0.								
Setup will install Flex Signal ver. 14.2.0.0 in the following folder. To install in a differ click Browse and select another folder. Click Install to start the installation.	ent folder,							
Destination Folder								
C:\FS Browse								
Space required: 37.3 MB								
Space available: 108.5 GB								
illsoft Install System v3.08								
< Back Install	Cancel							

Figure 3: Setup screen for specifying the installation destination

5. Installation starts.

💮 Flex Signal ver.14.2.0.0 Setup	_	
Installing Please wait while Flex Signal ver. 14.2.0.0 is being installed.		
Extract: SignalEva21.xml 100%		
Show details		
Nullsoft Install System v3.08		
< Back Ne	xt >	Cancel

Figure 4: Screen displayed during setup installation

6. The FlexSignal receiver communication setup tool starts up during installation. Enter the IP address of your receiver and save the setting.



Figure 5: FlexSignal receiver communication setup tool

When you perform setup later, close the screen with the "x" without performing any operations.

* For details on the FlexSignal receiver communication setup tool, see the FSConfManager Manual.

🔅 Flex	Signal Receiver Set	ting Tool	×
	Add.	Del.	
No.	IP address		
1	192.168.0.1		
In	itialization	Save	

Figure 6: FlexSignal receiver communication setup tool

- 7. When the setup completion screen appears, select "Reboot now."
 - * If you select "Reboot later," be sure to manually restart the PC.

당 Flex Signal ver.14.2.0.0 Setup	— 🗆 🗙
	Completing Flex Signal ver. 14.2.0.0 Setup Your computer must be restarted in order to complete the installation of Flex Signal ver. 14.2.0.0. Do you want to reboot now? Reboot now Reboot later
	< Back Finish Cancel

Figure 7: Setup completion screen

5. Checking System Operation

- (1) Confirming that the system starts up
 - 1. Confirm that the screen shown in "Figure 1: FSStart" appears after you restart the PC.

FSStart (ver.1.0.0.0)							
2014/10/23 14:24:09.439	FS System starting						
Processing							



2. Confirm that the screen shown in "Figure 1: FSStart" automatically closes after about one or two minutes.

(2) Checking the website

1. Select "Start" - "All Programs" - "Flex Signal" - "FlexSignal."

* If "FlexSignal" does not exist in the start menu, start the browser and enter "localhost/fs" in the URL.

Confirm that the screen shown in "Figure 2: Initial website screen" is displayed.

Flex Signal	/ MENU — 稼動監視

Figure 2: Initial website screen

* If "HTTP error" is displayed, please check "this booklet 9. FAQs (7)".

2. Access "http://IP address/FS" from another PC on the same network as the PC where you installed Flex Signal.

* Enter the IP address of the PC where you installed Flex Signal. Example: http://192.168.0.10/FS

Confirm that the screen shown in "Figure 2: Initial website screen" is displayed.

3. Select "MENU" - "group1" - "Options" – "Basic settings" at the top of the web page.



Figure 3: Basic settings selection screen on the website menu

4. Enter admin in "Password" in the "Administrator authentication" dialog box and select "OK."

fs in g	Administrator Authentication Enter the administrator password. Password	×	

Figure 4: Website administrator authentication screen

5. Execute "Save" in "Basic settings."

lex Signal	MENU 🗮 稼動器	监視				
Settings	You can set the basic or	tions of Flav	Sional			
	Basic Settings	nions of filex	olghai.			
	Management group	RTED BC2H				
		100 M	00 **			╡
		Note: The de	efault setting 00:00 One-da	v handling will change by the tir	ne that you specify morning or afternoon	
	Start time (orgin time)	If you specif If you specif	fy a 9:00 , 9:00 - 8:59 the no fy a 9:00 , the day before 21	ext day will be handled as one d :00 - 20:59 will be handled as o	ay. ine day.	
	Monitor Settings					1
		Telop 1:				1
	Telop	Telop 2:				
		Telop 3:				J
	Administrator Settings					
		Current Pas	sword:	(Confirmation insult)		
	Administrator password	Note:Please	sperify 5 or more character	(Commation input)		
	Auto Output Settings	note.Please	- specify 5 or more characters	or single-byte character.		
	Use auto output	You can a	set enable.			
	Output hope		a Dariodic			╡
	Deriodic intencel (min)	60 se				╡
			10.44			╡
	Ooutput time. 00 ¥ 1 10 ¥ Note: The default setting, 00:10. That output the day before setting time.					
	Output Folder					
	Shift Settings					1
	Shift Settings ShiftType	O None O C	Ordinary • Two shift • Three :	shifts		
	Shift Settings ShiftType	O None ● C	Ordinary ● Two shift ● Three s Shift Name	shifts	StratTime - EndTime	
	Shift Settings ShiftType	None C	Ordinary © Two shift © Three s	shifts	StratTime - EndTime	
	Shift Settings ShiftType Shift More	None C Shift1 Shift2	Ordinary O Two shift O Three s	shifts	StratTime - EndTime	
	Shift Settings Shift Type Shift More	None C Shift1 Shift2 Shift3	Ordinary O Two shift O Three : Shift Name	shifts	StratTime - EndTime	
	Shift Settings ShiftType Shift More Break time Settings	None None Shift1 Shift2 Shift3	ordinary 🖲 Two shift 🖲 Three s	shifts	StratTime - EndTime	
	Shift Settings Shift Type Shift More Break time Settings	None None	Ordinary Two shift Three Shift Name	shifts	StratTime - EndTime	
	Shift Settings ShiftType Shift More Break time Settings	None C Shift1 Shift2 Shift3	Ordinary Two shift Three s Shift Name Shift Name Stat time	shifts	StratTime - EndTime	
	Shift Settings ShiftType Shift More Break time Settings	None O	Ordinary Two shift Three Shift Name Stat time O O O O O O O O O O O O O O O O O O O	shifts	StratTime - EndTime	
	Shift Settings ShiftType Shift More Break time Settings	None C	Ordinary Two shift Three s Shift Name Shift Name Stat time O O Stat time O O Stat time O O O Stat time O O O Stat time O O Stat time O O Stat time O	shifts 5 Ending time 00 V 00 V 00 V	StratTime - EndTime	
	Shift Settings Shift Type Shift More Break time Settings	None C Shift1 Shift2 Shift3	Stat time	shifts : Ending time 00 v : 00 v : 00 v : 00 v :	StratTime - EndTime Stignal information valid/invalid setting To enable To enable To enable To enable To enable	
	Shift Settings ShiftType Shift More Break time Settings	None C Shift1 Shift2 Shift3	Ordinary • Two shift • Three : Shift Name Shift Name Stat time 00 • : 00 • : 00 • : 00 • : 00 • : 00 • : 00 • : 00 • : 00 • : 00 • : 00 • : 00 • : 00 • : 00 • :	shifts 1 Ending time 1 00 v 1 00 v	StratTime - EndTime StratTime - EndTime Signal information valid/invalid setting To enable	
	Shift Settings ShiftType Shift More Break time Settings Break time	None C Shift1 Shift2 Shift3 No. 1 2 3 4 5	Ordinary • Two shift • Three : Shift Name Shift Name Stat time 00 • : 00 • 00 • : 00 • 00 • : 00 • 00 • : 00 • 00 • : 00 • 00 • : 00 • 00 • : 00 • 00 • : 00 • 00 • : 00 •	Shifts	StratTime - EndTime StratTime - EndTime StratTime - EndTime StratTime - EndTime Stratting Signal information valid/invalid setting Signal information valid/invalid setting To enable	
	Shift Settings ShiftType Shift More Break time Settings Break time	None C Shift1 Shift2 Shift3 No. 1 2 3 4 5 6	Ordinary • Two shift • Three : Shift Name Shift Name Shift Name Stat time Stat time 00 • : 00 • 00 • : 00 • 00 • : 00 • 00 • : 00 • 00 • : 00 • 00 • : 00 • 00 • : 00 • 00 • : 00 • 00 • : 00 • 00 • : 00 •	shifts Ending time Ending time 00 v 3 00 v 00 v 3 00 v	StratTime - EndTime StratTime - EndTime Signal information valid/invalid setting Signal information valid/invalid setting To enable	
	Shift Settings ShiftType Shift More Break time Settings Break time	None C Shift1 Shift2 Shift3 No. 1 2 3 4 5 6 7	Ordinary • Two shift • Three : Stat time 00 • : 00 • 00 • : 00 • 00 • : 00 • 00 • : 00 • 00 • : 00 • 00 • : 00 • 00 • : 00 • 00 • : 00 •	Shifts	StratTime - EndTime StratTime - EndTime Signal information valid/invalid setting Signal information valid/invalid setting To enable	
	Shift Settings ShiftType Shift More Break time Settings Break time	None ● C Shift1 Shift2 Shift3 No. 1 2 3 4 5 6 7 8 ■	Ordinary • Two shift • Three : Stat : Stat : 00 • : 00 • : 00 • : 00 • : 00 • : 00 • : 00 • : 00 • : 00 • : 00 • : 00 • : 00 • : 00 • : 00 • : 00 • : 00 • :	Shifts	StratTime - EndTime StratTime - EndTime Signal information valid/invalid setting Signal information valid/invalid setting To enable	
	Shift Settings ShiftType Shift More Break time Settings Break time	None ● C Shift1 Shift2 Shift3 No. 1 2 3 4 5 6 7 8 9 9	Inclinary • Two shift • Three : Stat • Three : <td>shifts Ending time Ending time 00 00 00 00 00 00 00 0</td> <td>StratTime - EndTime StratTime - EndTime Signal information valid/invalid setting Signal information valid/invalid setting To enable To enable</td> <td></td>	shifts Ending time Ending time 00 00 00 00 00 00 00 0	StratTime - EndTime StratTime - EndTime Signal information valid/invalid setting Signal information valid/invalid setting To enable	
	Shift Settings ShiftType Shift More Break time Settings Break time	 None ● C Shift1 Shift2 Shift3 	Ordinary • Two shift • Three : Shift Name	shifts Ending time Ending time	StratTime - EndTime StratTime - EndTime StratTime - EndTime Signal information valid/invalid setting Signal information valid/invalid setting StratTime - EndTime Signal information valid/invalid setting S	

Figure 5: Basic website settings screen

6. Confi	rm that The basic	c settings was s	aved. is displa	ayed on the sc	reen.			
Flex Signal	MENU 🧮 稼動監	視						
Basic Settings	You can set the basic opt	ions of Flex Signal.						
	The basic settings was say	ved 2						
	Basic Settings							
	Management group	稼動監視						
		00 🗸 : 00 🗸						
	Start time (origin time) Note: The default setting, 00:00. One-day handling will change by the time that you specify morning or afternoon. If you specify a 9:00, 9:00 - 8:59 the next day will be handled as one day.							
	If you specify a 9:00, the day before 21:00 - 20:59 will be handled as one day.							
	Monitor Settings					_		
	Telop	Telop 1: Telop 2:						
		Telop 3:						
	Administrator Settings							
		Current Password:						
	Administrator password	New Password : Note:Please specify 5	or more characters of sin	(coninimation input)				
	Auto Output Settings							
	Use auto output.	Vou can set enable	L					
	Output type	Only once Period	ic					
	Periodic interval (min)	60 🗸						
	Ooutput time.	00 🗸 : 10 🗸						
		Note: The default sett	ing, 00:10.That output the	e day before setting time.				
	Shift Settings					_		
	ShiftType	None Ordinary O	Two shift Three shifts					
			Shift Name	St	ratTime - EndTime			
		Shift1						
	Shift More	Shift2						
		Shift3						
	Break time Settings	I <u></u>						
		No. S	tat time	Ending time	Signal information valid/invalid			
		1 00 •			secung			
		2 00 1			To enable			
		3 00 V	: 00 🗸		To enable			
		4 00 🗸	· : 00 V	00 🗸 : 00 🗸	To enable			
	Break time	5 00 🗸	· : 00 🗸	00 🗸 : 00 🗸	To enable			
		6 00 🗸	· : 00 🗸	00 🗸 : 00 🗸	To enable			
		7 00 🗸	· : 00 🗸	00 🗸 : 00 🗸	To enable			
		8 00 🗸	• : 00 🗸	00 🗸 : 00 🗸	To enable			
		9 00 🗸	• : 00 🗸	00 🗸 : 00 🗸	To enable			
		10 00 🗸	· : 00 🗸	00 🗸 : 00 🗸	To enable			
	Save Cance	l Initialize						

Figure 6: Basic website settings save completion screen

7. Select "MENU" - "Common" - "Other" – "Help" at the top of the web page.



Figure 7: Help selection screen on the website menu

8. Confirm that "Customer key" in "Help" matches the key written on the email [ユーザー情報

登録完了のお知らせ] sent from TOKAI-SOFT.

*If you install the system from CD-ROM, please confirm that "Customer key" in "Help" matches the key on the license certificate.

Flex Signal	MENU 🧮 稼動監	税			
System information	You can check the sys	tem information.			
Communication status	System information				
	Product name	Flex Signal			
	Version	14.2.0			
	Copyright	TOKAI-SOFT Co.,Itd.			
	Manual				
	<u>FlexSignal LA6-POE連携</u> <u>FlexSignal Manual Rev</u>	<u>特設定資料 Rev1.1</u> ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・			
	FlexSignal PC Change Manual Rev1.2 ja				
	FlexSignal Setup Manual Rev8.2 ja				
	FlexSignal Update Manual Rev5.1 ia				
	FSConfManager Manua	al Rev.3.1 ja			
	License				
	Customer key	00000-00000-00000			
	Setup key	B692C-072EE-54AE5-9525F			
	Authentication key	Auth. During the trial (expiration date : 2023-07-12 19:47)			
	Edition	STD			
	Volume	Signal tower 3 unit			
	SubSystem				
	Setup Date	2023-06-12 19:48			
	Receiver status	All OConnecting ODisconnected • Cutting			
	192.168.0.1	Disconnected			
	Transmitter status	Ocnnecting Obisconnected - Cutting			

Figure 8: Website help screen where you can check the customer key

6. Authenticating the License

1. Prepare the email [アクティベーション登録のご案内] sent from TOKAI-SOFT.

* If you install the system from CD-ROM, ask TOKAI-SOFT (flexsignal@tokai-soft.co.jp) to issue the authentication key by email. Be sure to include the customer key and setup key in the body of the email. We issue the authentication key after checking the customer key and setup key. After the authentication key is issued, proceed with the procedures up to the authentication work in 5.

2. Access the URL for activation registration written in the email [アクティベーション登録のご

Flex	Signal	
ログインページ	۶ ۲	
ログイン		<u> </u>

案内], enter the customer key and log in.

*If you cannot log in, please contact our support team (<u>flexsignal@tokai-soft.co.jp</u>), including the message displayed in red on the screen in the email.

3. After entering the "customer key" and "setup key", click 登録 (register) button.

Flex Signal				
アクティベーション登録	操作手順 1 ElexSignalへ川、プ画面を確認し、カフタ			
	1. Fibersylin でしたり 2. 入力後、登録ボクシをクリックしてください。 3. 「登録売了しました。」と表示されることをご確認ください。			
	4.売了後、メールにて認証キーをご案内いたします。 5.FlexSignalへルプ画面内にある認証キーエリアに認証キーを入力し、認証を行ってください。 登録情報※入力必須			
	カスタマーキー			
	セットアップキー			
お問い合わせ先 FlexSignalサポート係				
お問い合わせ先 FlexSignalサポート係 E-mail : flexsignal@tokai-soft.co.jp Tol : 05-552-2506				

(the customer key is automatically input when logging in.)

*You can find "customer key" and "setup key" from "MENU"(at the top of the FlexSignal website) - "Common" - "Other - Help". (This is not a website for activation registration.)

4. After registration is completed, you will receive an email [アクティベーション登録完了のお知

らせ・認証キーのご案内] sent by TOKAI-SOFT.

5. The authentication key is written in the email [アクティベーション登録完了のお知らせ・認証

キーのご案内] described in 4. above. Enter the authentication key in the authentication key field on the screen that is displayed by selecting "MENU" - "Common" - "Other - Help" and select the "Authenticate" button.

*If you install the system from CD-ROM, the authentication key is issued via email. Please check 1.

License	
Customer key	00000-00000-00000
Setup key	B692C-072EE-54AE5-9525F
Authentication key	Auth.
	During the trial (expiration date : 2023-07-12 19:47)
Edition	STD
Volume	Signal tower 3 unit
SubSystem	
Setup Date	2023-06-12 19:48

Figure 2: License authentication screen

When the authentication is completed, <u>During the trial (expiration date : 2023-07-12 19:47)</u> on the license authentication screen shown in Figure 2 changes <u>Authenticated</u> to Confirm that the number of purchased licenses is displayed in "Volume."

If you enter an incorrect authentication key, enter the correct authentication key and retry the authentication.

* Before authentication, "Expiration date for trial use" shows the date one month after the product was installed on the PC.

7. Specifying Signal Lamp Settings

See "Specifying signal lamp settings" in the Flex Signal Instruction Manual and specify the settings.

Refer to "FlexSignal - LA6-POE 連携設定資料" for the detail of LA6-POE.

* Data is not displayed until signal lamp settings are specified.

8. Uninstallation

- 1. Start the uninstaller by selecting "Start" "Flex Signal."
 - * Perform this operation as a user with administrator privileges.
- 2. Select "Next."





3. Select "Uninstall."

Iex Signal ver.14.2.0.0 Uninstall			_		×
Uninstall Hex Signal ver.14.2.0.0 Remove Flex Signal ver.14.2.0.0 from your computer.			8		
Flex Signal ver. 14.2 the uninstallation.	.0.0 will be uninstalled fr	om the following	folder. Click Uni	install to sta	art
Uninstalling from:	C:\FS\				
Nullsoft Install System	v3.08	< <u>B</u> ack	<u>U</u> ninstall	Са	ncel

Figure 2: Uninstallation folder screen

4. Uninstallation starts. Wait until installation has successfully completed.

Ilex Signal ver.14.2.0.0 Uninstall	_	
Uninstalling Please wait while Flex Signal ver. 14.2.0.0 is being uninstalled.	8	
Show details		
Nullsoft Install System v3.08 < Back Next	:>	Cancel

Figure 3: Screen during uninstallation

- 5. When the uninstallation completion screen appears, select "Reboot now."
 - * If you select "Reboot later," be sure to manually restart the PC.

🞯 Flex Signal ver.14.2.0.0 Unins	stall — 🗆 🗙	
	Completing Flex Signal ver.14.2.0.0 Uninstall Your computer must be restarted in order to complete the uninstallation of Flex Signal ver.14.2.0.0. Do you want to reboot now?	
	< Back Finish Cancel	

Figure 4: Uninstallation completion screen

9. FAQs

(1) "Next" cannot be clicked on the installation screen.

There might not be enough IIS setting items.

(i) Check the IIS setting items.

(2) Setup does not complete successfully.

The FlexSignal receiver communication setup tool, which should start up during installation, might already be running.

- (i) Confirm that the FlexSignal receiver communication setup tool is not running. If the FlexSignal receiver communication setup tool is running, click the "x" to close the setup tool.
- (ii) If you are prompted to cancel the installation, make sure that the network adapter is enabled.
- (iii) Uninstall Flex Signal once and install again.

(3) Data is not displayed even though installation is completed.

Signal lamp settings might not be specified.

- (i) Download "FlexSignal_Manual_RevX.X_en from "MENU" "Common" "Other -Help" and specify signal lamp settings referring to "Individual signal lamp settings".
- (4) Authentication fails.
 - (i) Confirm that the customer key on the email [ユーザー情報登録完了のお知らせ]
 sent from TOKAI-SOFT is the same as the customer key on the Help screen in Flex Signal.
 - (ii) Confirm that the PC where you installed the product has not been disconnected from the network.

(5) Data is not displayed even after signal lamp settings are specified. The receiver might not be communicating with the PC where you installed the product.

- (i) Confirm that the connection method between the receiver and the PC where you installed the product is a LAN connection.
- (ii) Confirm the receiver status on the screen displayed by selecting "MENU" "Common" "Help". If the status of the receiver shows "Disconnected" or
 "Cutting", confirm the connection status with the receiver.
- (iii) Confirm that the IP address is set to the connected LAN.
- (iv) Confirm that an application from PATLITE or other software is not running.
- (v) Confirm that the port number setting of the receiver has not been changed.

- (vi) Select the transmitter MAC address of the target equipment displayed when you select the Select button rather than manually filling in "ID" under the individual signal lamp settings.
- (vii) Confirm that the equipment is on.
- (viii) Restart the PC and confirm that FS Start automatically starts and automatically closes after a few minutes.
- (6) I want to display Flex Signal on another PC.
 - (i) See item 2 in "(2) Checking the website" in Chapter 5 of this manual.

(7) "HTTP error" is displayed.

The response method differs depending on the error type.

• HTTP Error 500.21 \Rightarrow It need to enter a command.

- Select "Start Menu" Enter "cmd" in "Find programs and files" to start command prompt.
- (ii) Enter the following command at the command prompt and press the "Enter".

Command when the installation destination PC : 32 bits

C:\Windows\Microsoft.NET\Framework\v4.0.30319\Framework_regiis -i

Command when the installation destination PC : 64 bits

C:\U00e4Windows\U00e4Microsoft.NET\U00e4Framework64\u00e4v4.0.30319\u00e4aspnet_regiis -i

(iii) If "Install of ASP.NET (4.0.30319) is complete" is displayed, it is complete.Close the command prompt and check the FlexSignal screen.

• HTTP Error 500.19 \Rightarrow There is a possibility that ASP.NET 4.7 is not checked. Please check the settings of IIS again.

(8) Identification ID list is not displayed in the signal lamp settings.The communication environment between the PC and the receiver might not be prepared.

- (i) Confirm that the IP address of the receiver is registered in FlexSignal. *See "FlexSignal receiver communication setup manual" for the description of checking / adding / changing the IP address of the receiver.
- (ii) Select "Start Menu" Enter "cmd" in "Find programs and files" to start command prompt.
- (iii) Enter "ping receiver IP address" at the command prompt and press the "Enter".(Example: ping 192.168.0.1)
- (I) If the response from the receiver's IP address is not normal as shown in the figure below and an error like "Request timed out" is displayed, please check the communication environment.

```
Select C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19045.2965]
(c) Microsoft Corporation. All rights reserved.
C:\Users\takashi.ishida>ping 192.168.0.1
Pinging 127.0.0.1 with 32 bytes of data:
Reply from 192.168.0.1: bytes=32 time<1ms TTL=128
Reply from 192.168.0.1: bytes=32 time<1ms TTL=128</pre>
```

(9) Total of the operation status graph exceeds 100%.

The monitoring time which is used as a denominator might be less than the total time of each component color.

- (i) Please confirm that the check box for any of the colors is checked in "Monitoring light" item in Signal Tower Settings. If any of the check box is checked, the time when the color of the unchecked check box is in on or flash state is not included in the monitoring time, which may cause the rate to exceed 100%.
- (ii) Confirm the monitoring time which is specified as a fixed value in "monitoring light" item in Signal Tower Settings. If the time for which the signal was in on or flash state is longer than planned, it may cause the rate to exceed 100%.
- (10) I want to use LA6-POE.
 - (II) see "FlexSignal LA6-POE 連携設定資料" for the detail of LA6-POE.

