



Flex Signal Setup Manual

Ver. 4.3

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Introduction

This document summarizes how to set up Flex Signal.

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1. Operating Environment

Prepare the following PC environment to install the product.

Table 1: Recommended environment

No.	Item	Environment
1	Recommended OS	Windows 10
2	IIS	IIS 7.0 or later
3	Framework	.NET Framework 4.5
4	Browser	IE 11 or later or 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 2: Points to check before setup

No.	Item	
1	Communication between transmitters and receivers	<input type="checkbox"/>
2	Communication between receivers and the PC where you will install the product (*1)	<input type="checkbox"/>

*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 3: Items required for setup

No.	Item	Description	
1	Flex Signal setup media	CD-ROM that contains the Flex Signal installer	<input type="checkbox"/>
2	Customer key	Key issued when you purchase Flex Signal	<input type="checkbox"/>

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

3. Setting Up IIS

(1) Windows 7

1. Select "Start" - "Control Panel."
2. Select "Programs."

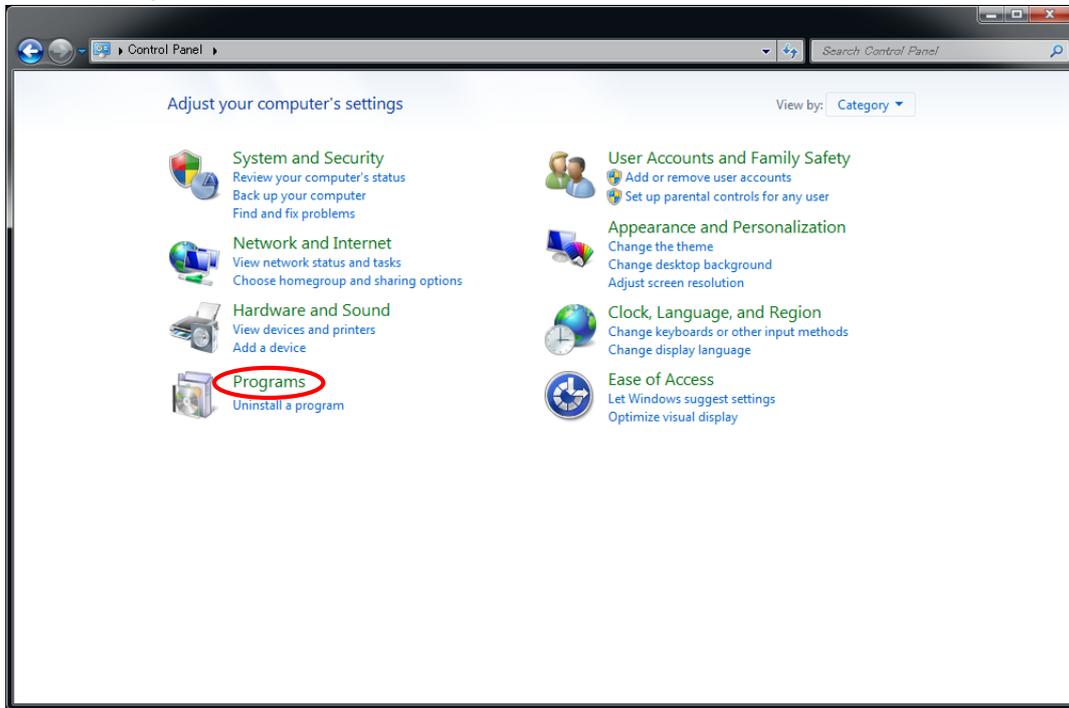


Figure 1: Programs

3. Select "Turn Windows features on or off."

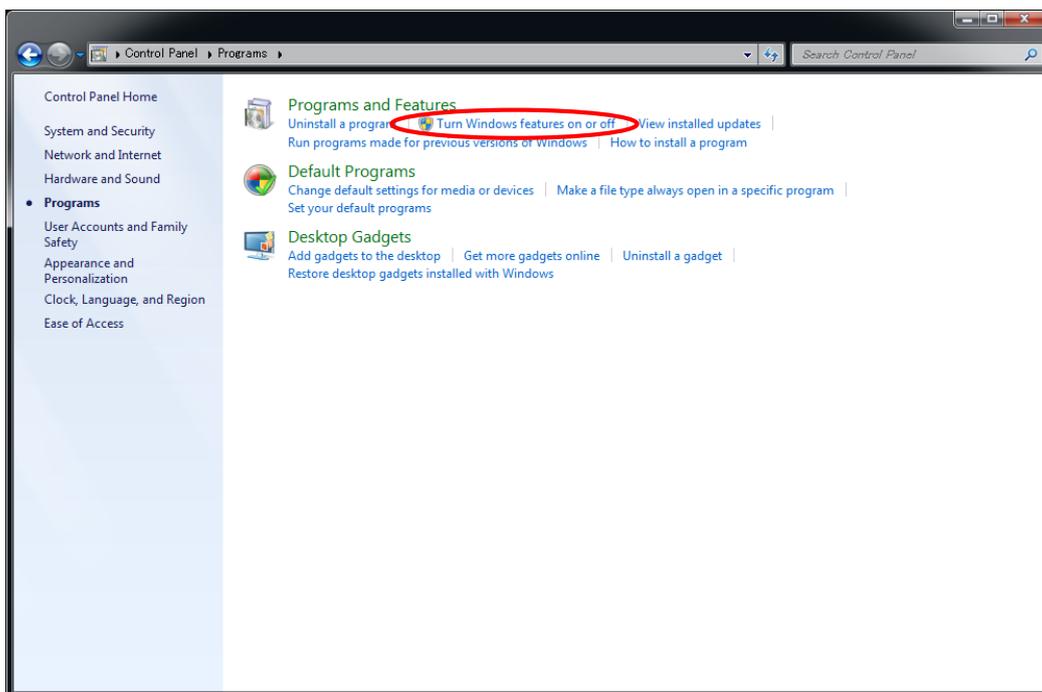


Figure 2: Turn Windows features on or off

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

(1) IIS Management Console

(2) ASP.NET

(3) HTTP Errors

(4) HTTP Redirection

(5) Directory Browsing

(6) Default Document

(7) Static Content

(8) .NET Extensibility

(9) ISAPI Filters

(10) ISAPI Extensions

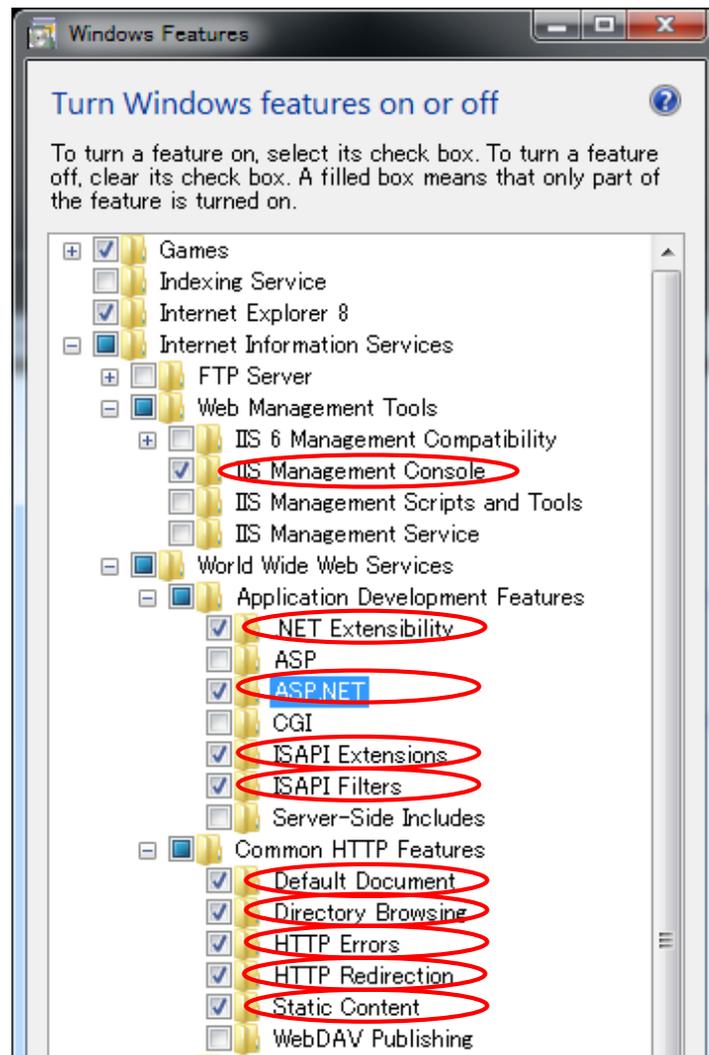


Figure 3: Items set by IIS settings

(2) Windows 10

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



Figure 4: Programs

3. Select "Turn Windows features on or off."



Figure 5: Turn Windows features on or off

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

- (1) IIS Management Console
- (2) ASP.NET4.7
- (3) HTTP Errors
- (4) HTTP Redirection
- (5) Directory Browsing
- (6) Default Document
- (7) Static Content
- (8) .NET Extensibility 4.7
- (9) ISAPI Filters
- (10) ISAPI Extensions

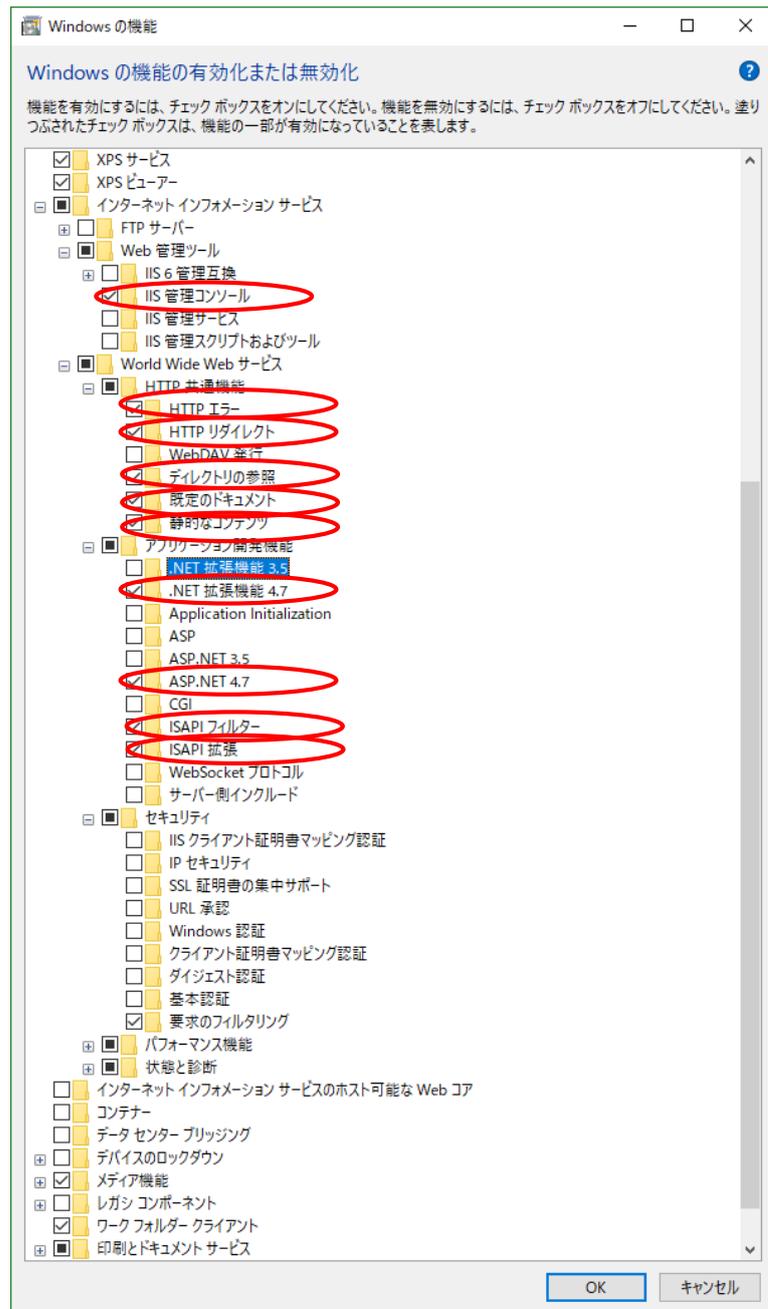


Figure 6: Items set by IIS settings

(3) Windows Server 2016

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



Figure 7: 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."



Figure 8: Add Role and Features wizard

5. Click "Add Features."

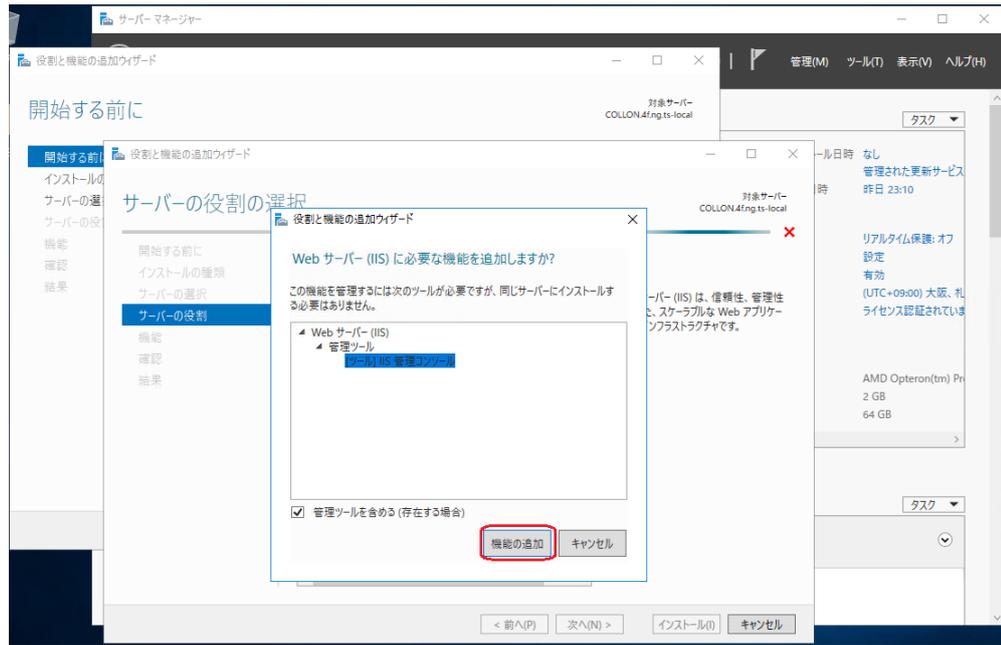


Figure 9: Adding a web server

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

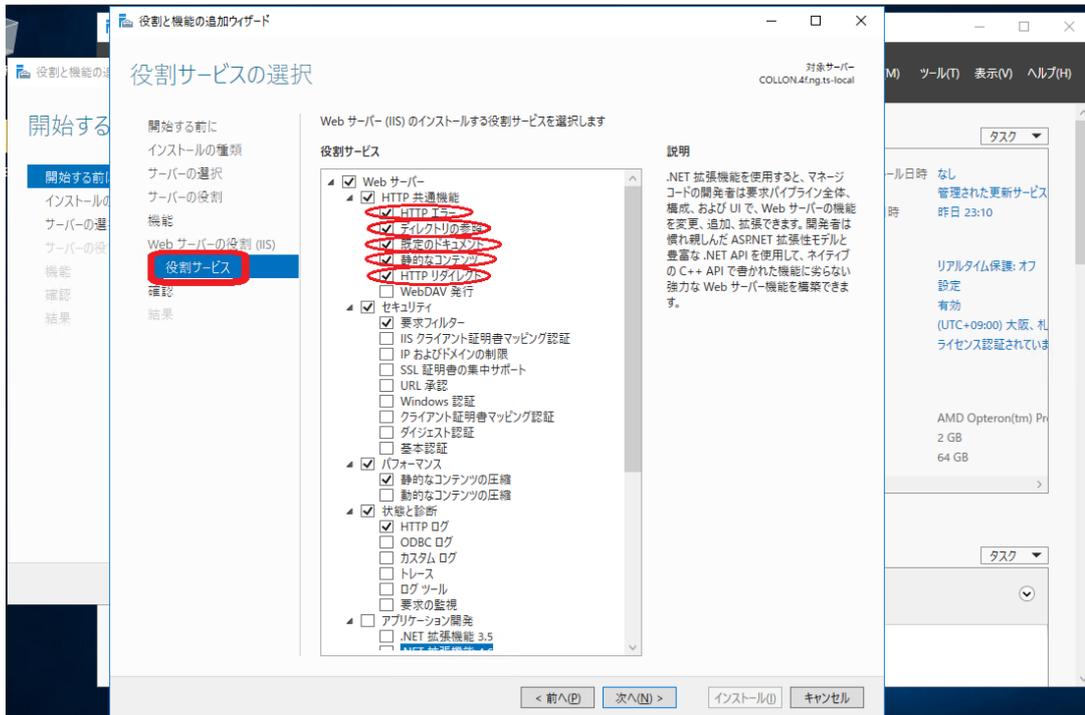


Figure 10: Items added for common HTTP features

11. Click "Next."

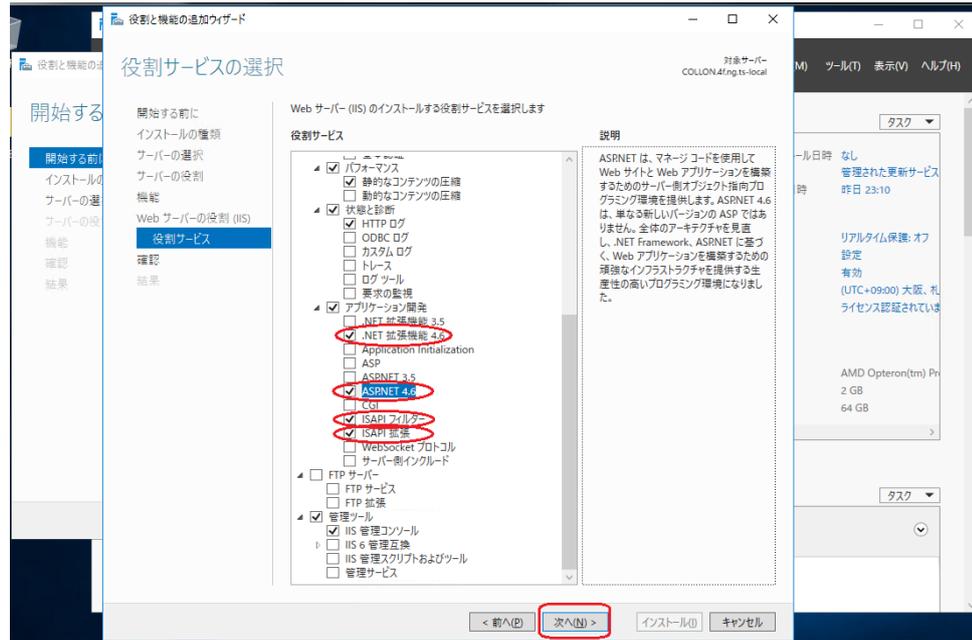


Figure 13: Items added for application features

12. Confirm that the following items are selected.

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

13. Click "Install."

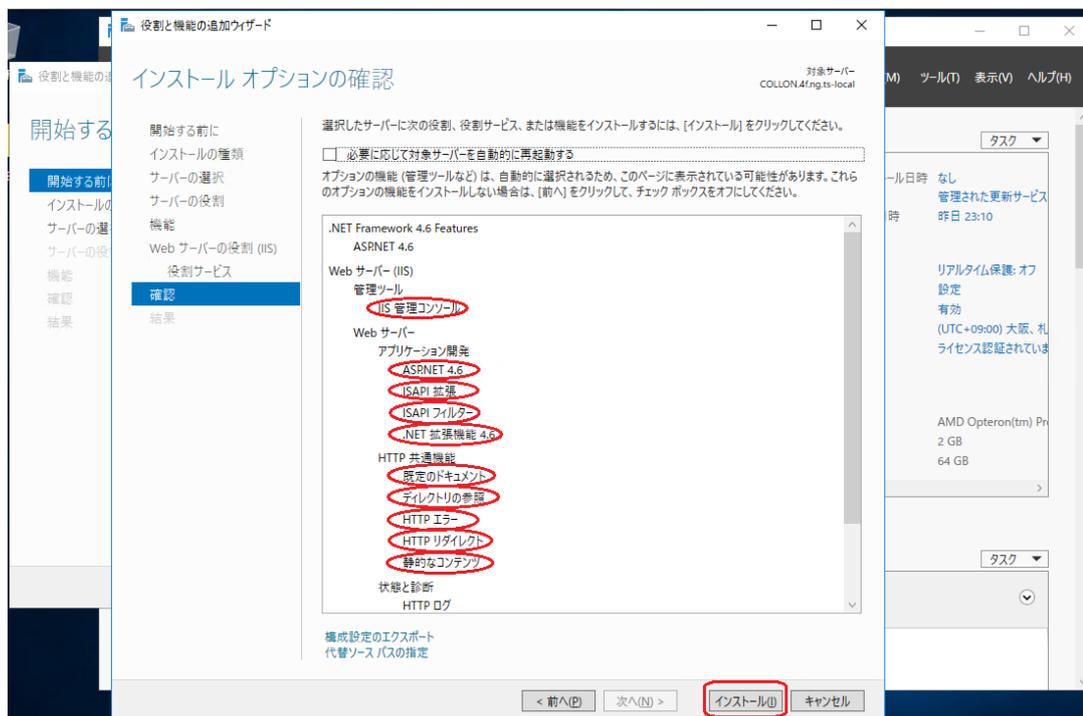


Figure 14: Installation check

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

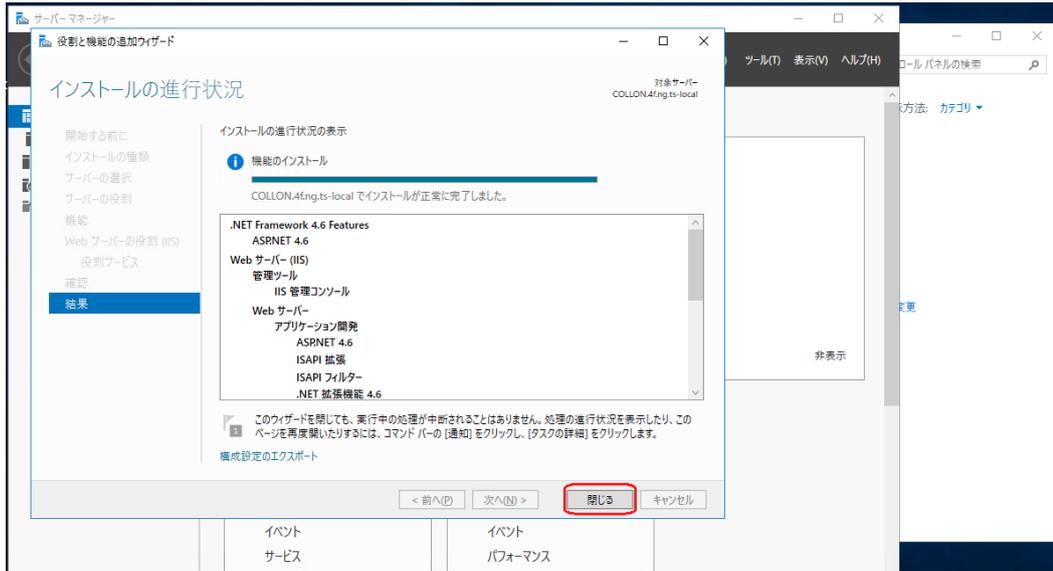


Figure 15: Completion of installation

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

4. Installing the System

1. Insert the setup media into the PC.

When you insert the media and select to execute "FSSetup_x.x.x.x.exe," the screen shown in "Figure 1: Setup screen" opens.

* Perform this operation as a user with administrator privileges.

* If the selection screen does not appear, select "FSSetup_x.x.x.x.exe" in the setup media.

* The x's in FSSetup_x.x.x.x.exe represent numbers.

(Example: FSSetup_2.0.0.0.exe)

2. Select "Next."



Figure 1: Setup screen

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

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

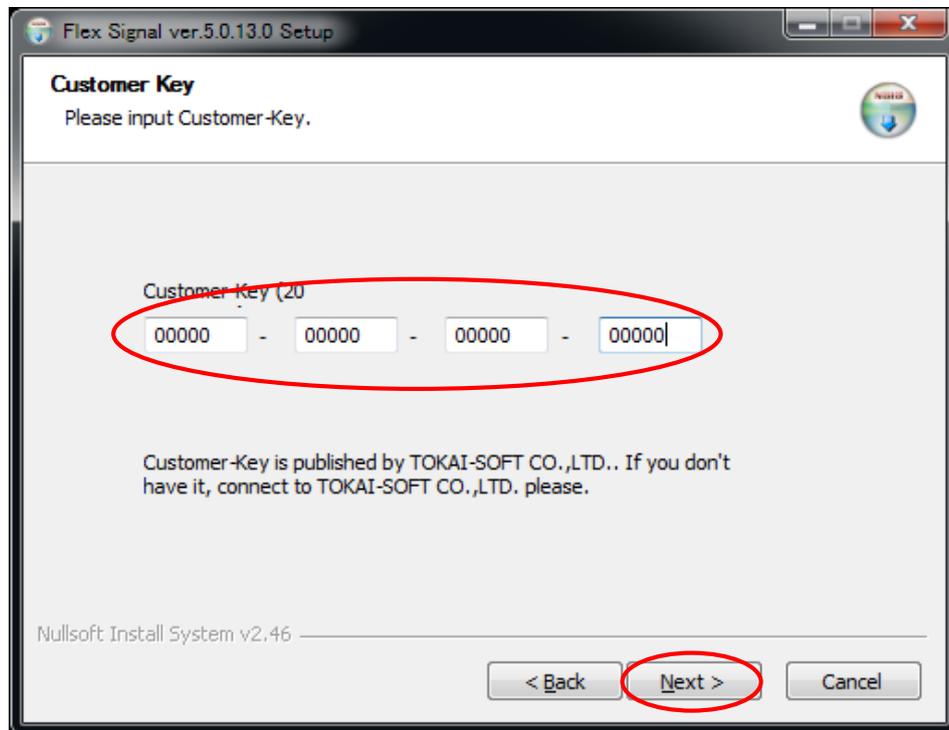


Figure 2: Setup screen for entering the customer key

4. Select "Install."

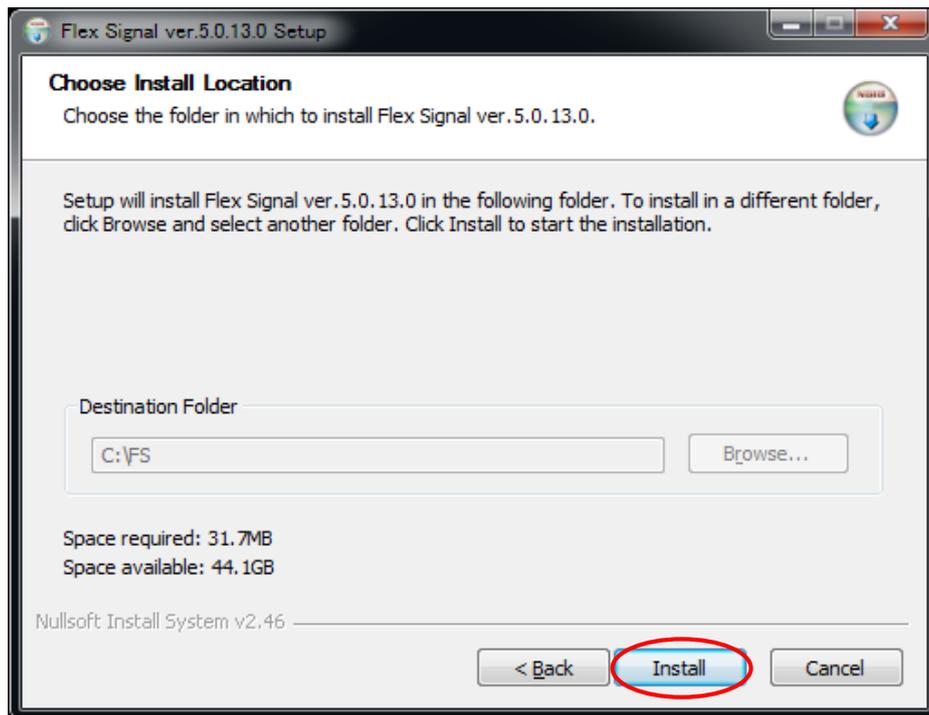


Figure 3: Setup screen for specifying the installation destination

5. Installation starts.

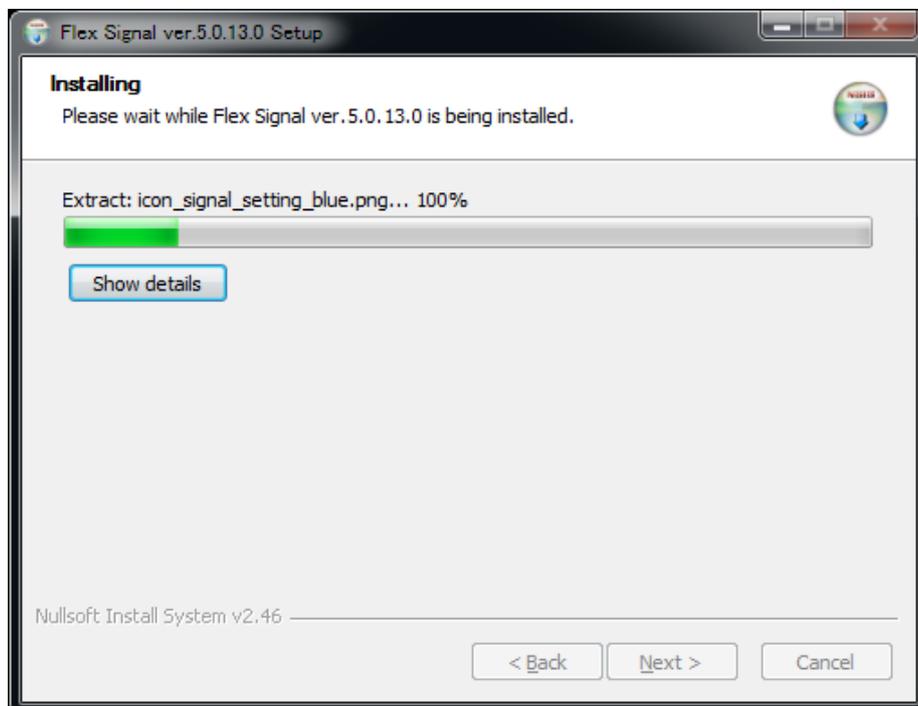


Figure 4: Screen displayed during setup installation

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

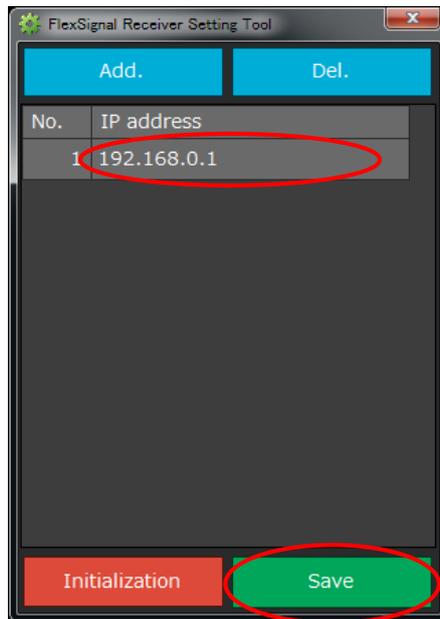


Figure 5: FlexSignal receiver communication setup tool

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.

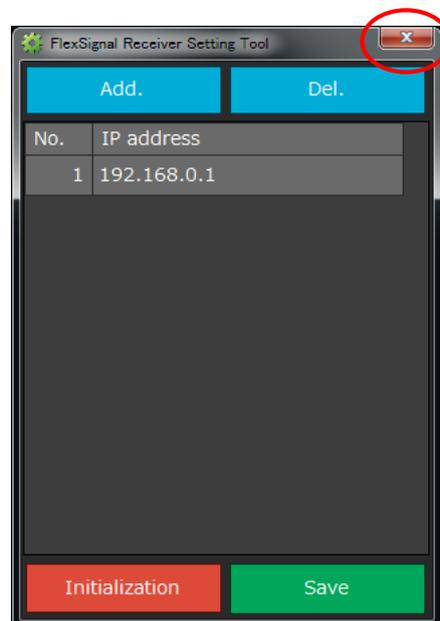


Figure 6: FlexSignal receiver communication setup tool

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

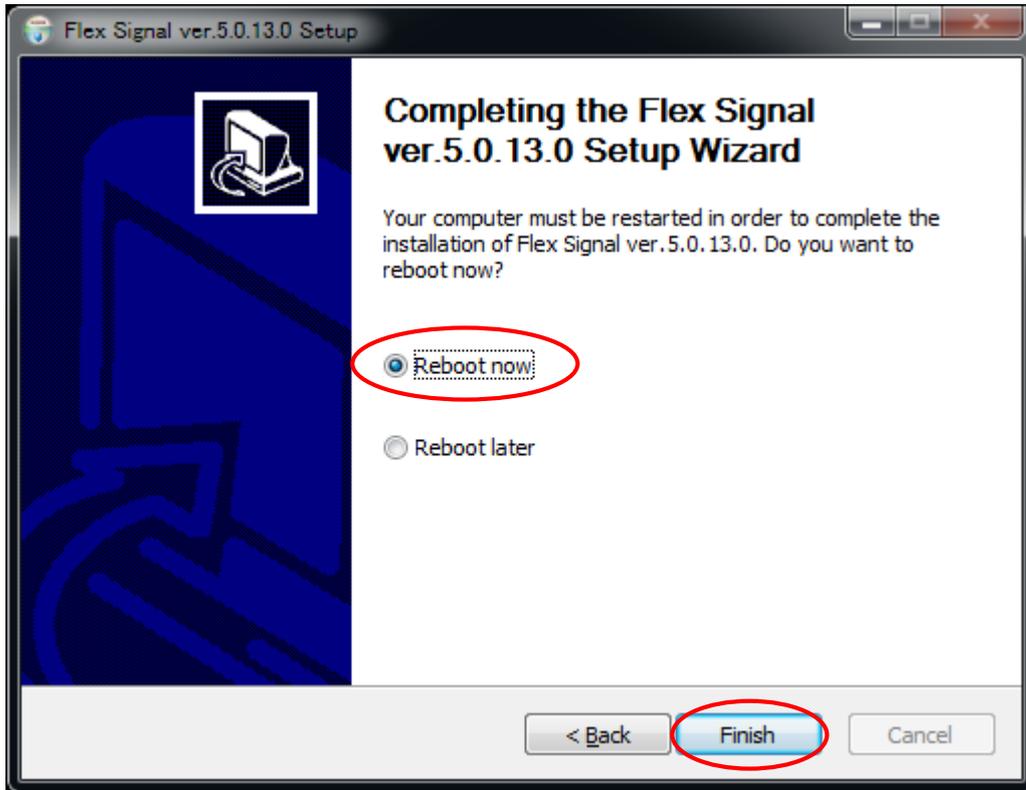


Figure 7: Setup completion screen

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.

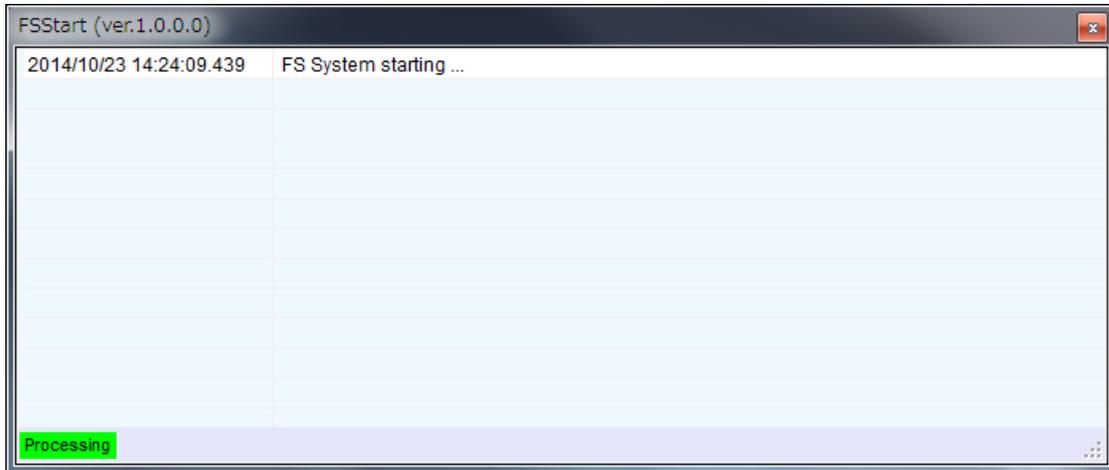


Figure 1: FSStart

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

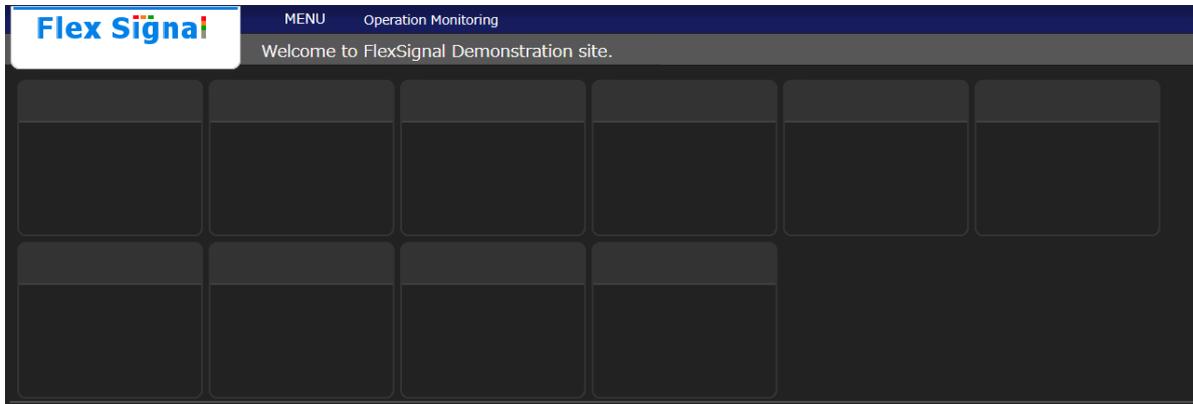


Figure 2: Initial website screen

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.

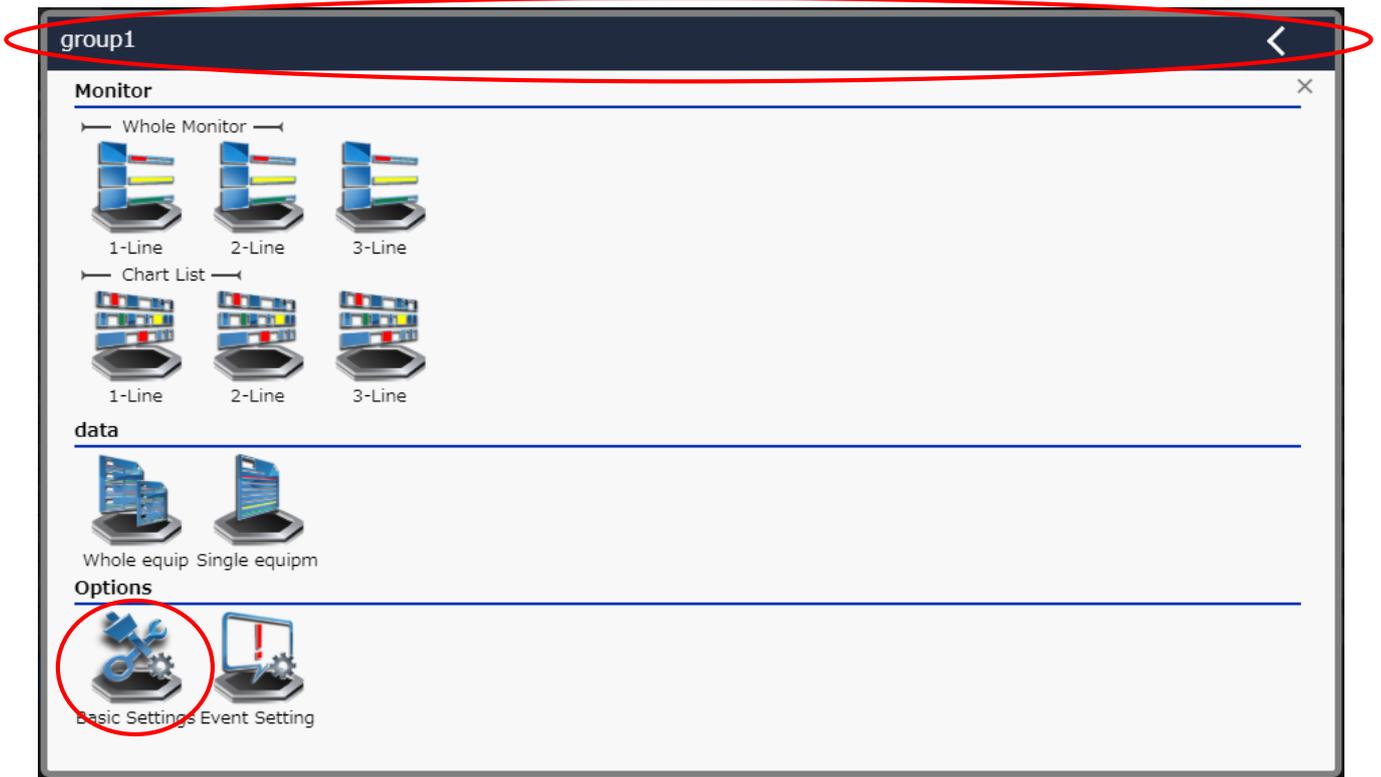


Figure 3: Basic settings selection screen on the website menu

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

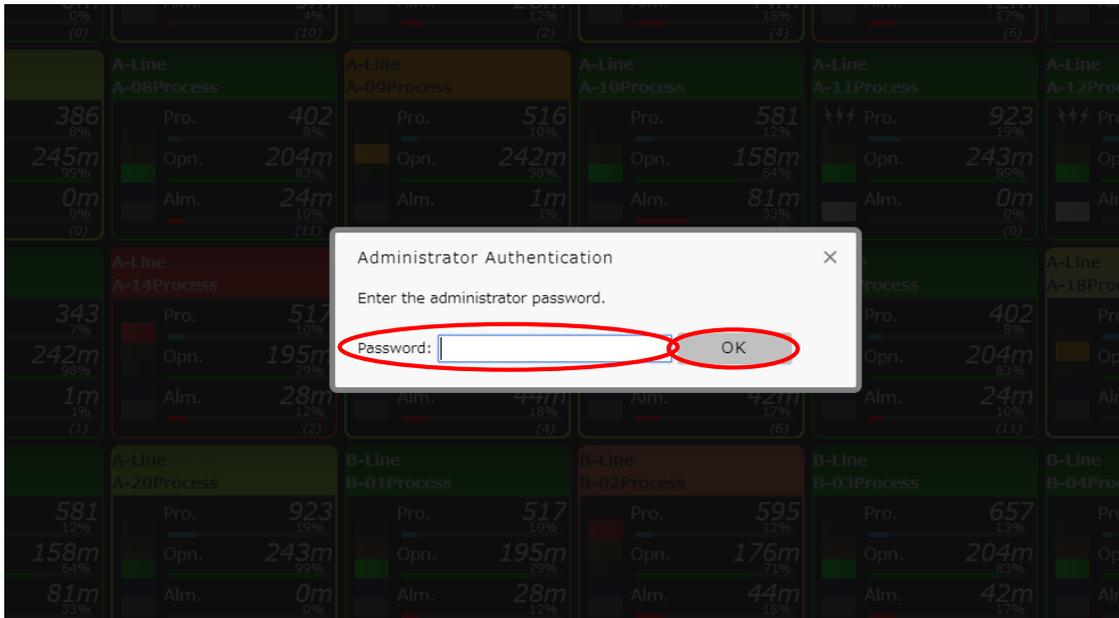


Figure 4: Website administrator authentication screen

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

Flex Signal MENU Operation Monitoring

Basic Settings
 + Whole Monitor Page Settings
 + Gantt Chart Settings

You can set the basic options of Flex Signal.

Basic Settings

Management group: Operation Monitoring

Start time (origin time): 08 : 00
 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 1: Welcome to FlexSignal Demonstration site.
 Telop 2:
 Telop 3:

Administrator Settings

Administrator password: Current Password: New Password: (Confirmation input)
 Note: Please specify 5 or more characters of single-byte character.

Auto Output Settings

Use auto output. You can set enable.

Output time: 00 : 10
 Note: The default setting, 00:10. That output the day before setting time.

Output Folder:

Shift Settings

ShiftType: None Ordinary Two shift Three shifts

	Shift Name	StratTime - EndTime
Shift1		
Shift2		
Shift3		

Save Cancel Initialize

Figure 5: Basic website settings screen

6. Confirm that **The basic settings was saved.** is displayed on the screen.

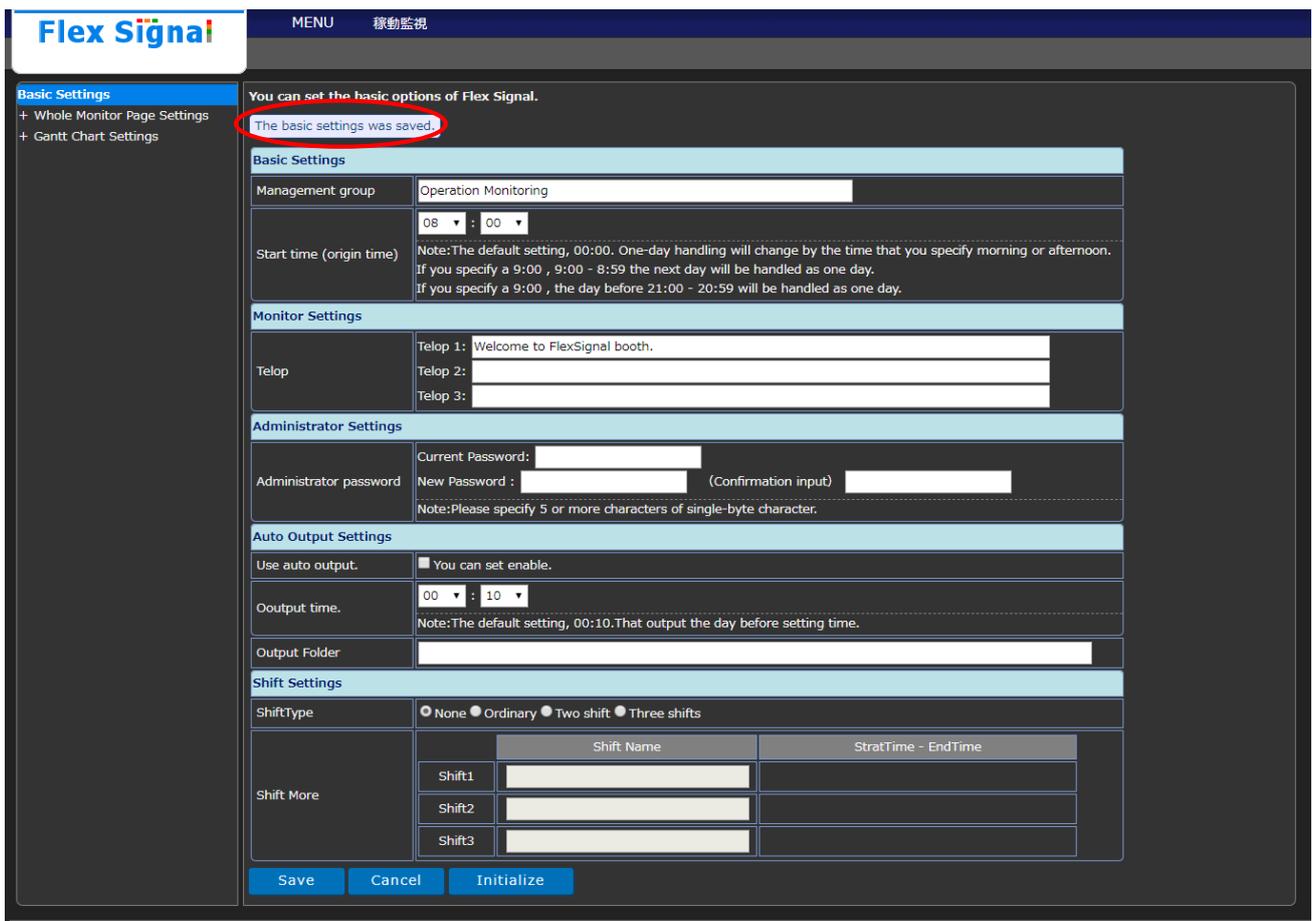


Figure 6: Basic website settings save completion screen

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

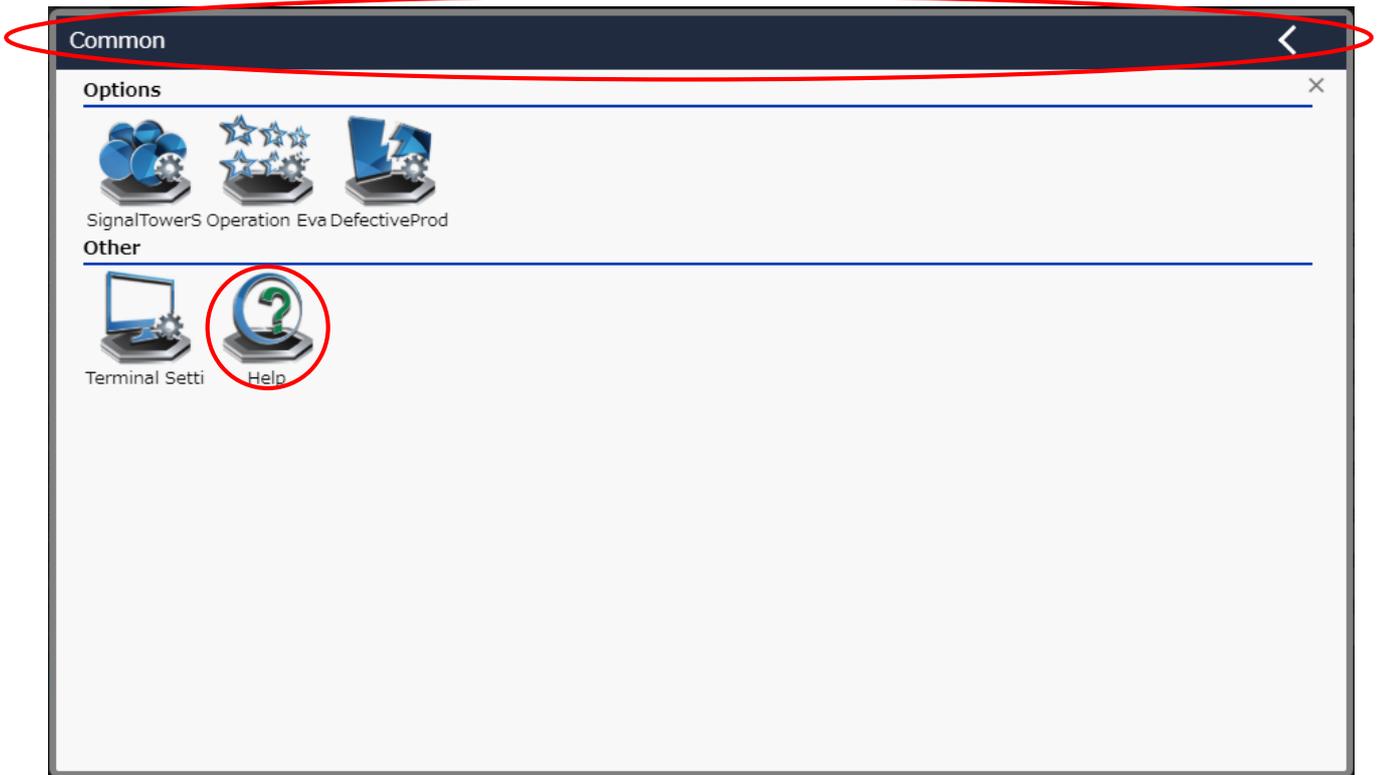
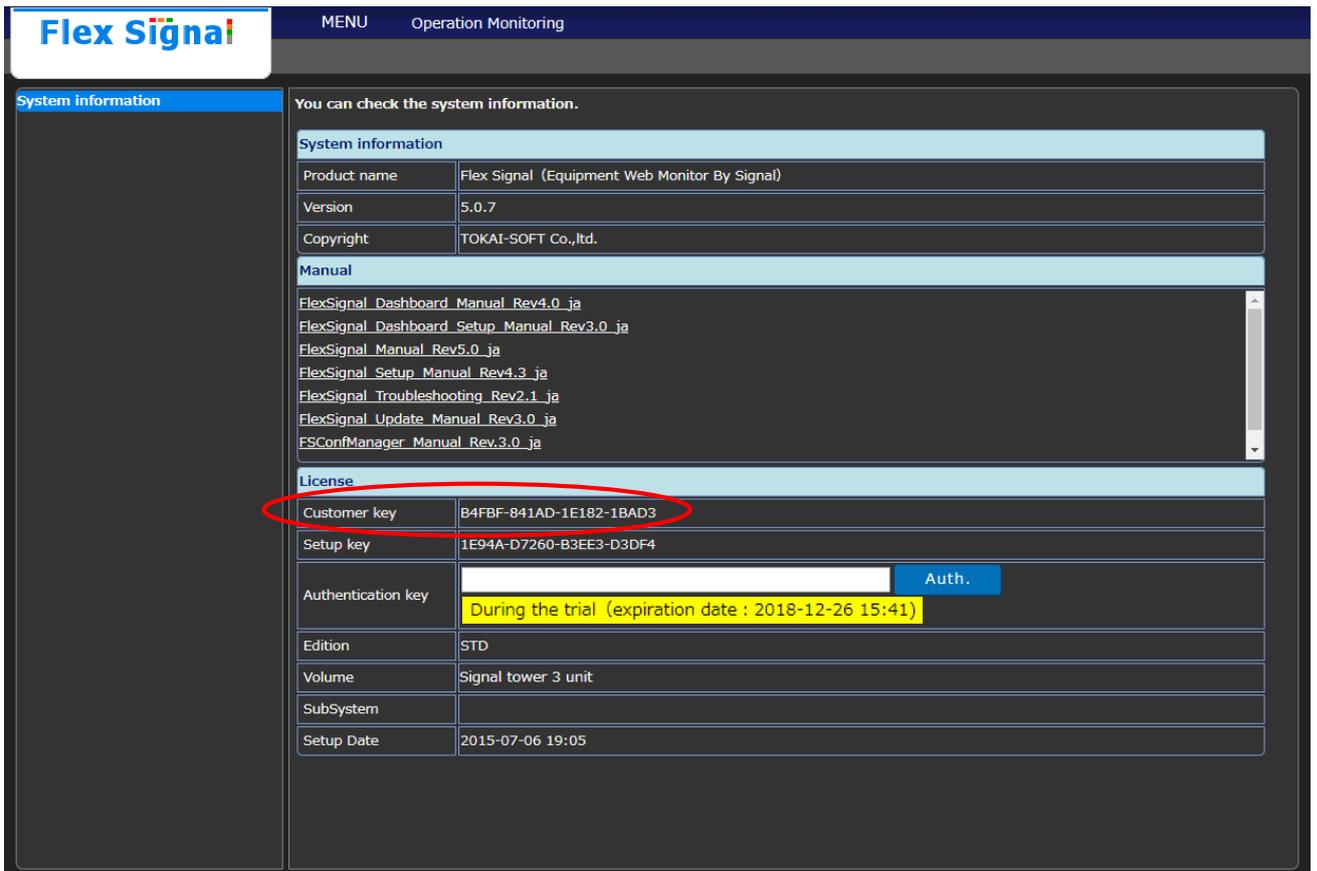


Figure 7: Help selection screen on the website menu

8. Confirm that "Customer key" in "Help" matches the key on the license certificate.



The screenshot shows the Flex Signal website interface. The top navigation bar includes the Flex Signal logo and the text 'MENU Operation Monitoring'. The main content area is titled 'System information' and contains a table of system details. The 'License' section is highlighted, and the 'Customer key' field is circled in red.

System information	
Product name	Flex Signal (Equipment Web Monitor By Signal)
Version	5.0.7
Copyright	TOKAI-SOFT Co.,Ltd.
Manual	
FlexSignal_Dashboard_Manual_Rev4.0_ja	
FlexSignal_Dashboard_Setup_Manual_Rev3.0_ja	
FlexSignal_Manual_Rev5.0_ja	
FlexSignal_Setup_Manual_Rev4.3_ja	
FlexSignal_Troubleshooting_Rev2.1_ja	
FlexSignal_Update_Manual_Rev3.0_ja	
FSConfManager_Manual_Rev.3.0_ja	
License	
Customer key	B4FBF-841AD-1E182-1BAD3
Setup key	1E94A-D7260-B3EE3-D3DF4
Authentication key	<input type="text"/> <input type="button" value="Auth."/>
During the trial (expiration date : 2018-12-26 15:41)	
Edition	STD
Volume	Signal tower 3 unit
SubSystem	
Setup Date	2015-07-06 19:05

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

6. Authenticating the License

1. Prepare the customer key you used during installation and the setup key generated during installation.

* You can see the customer key and setup key by selecting "MENU" - "Common" - "Other - Help."

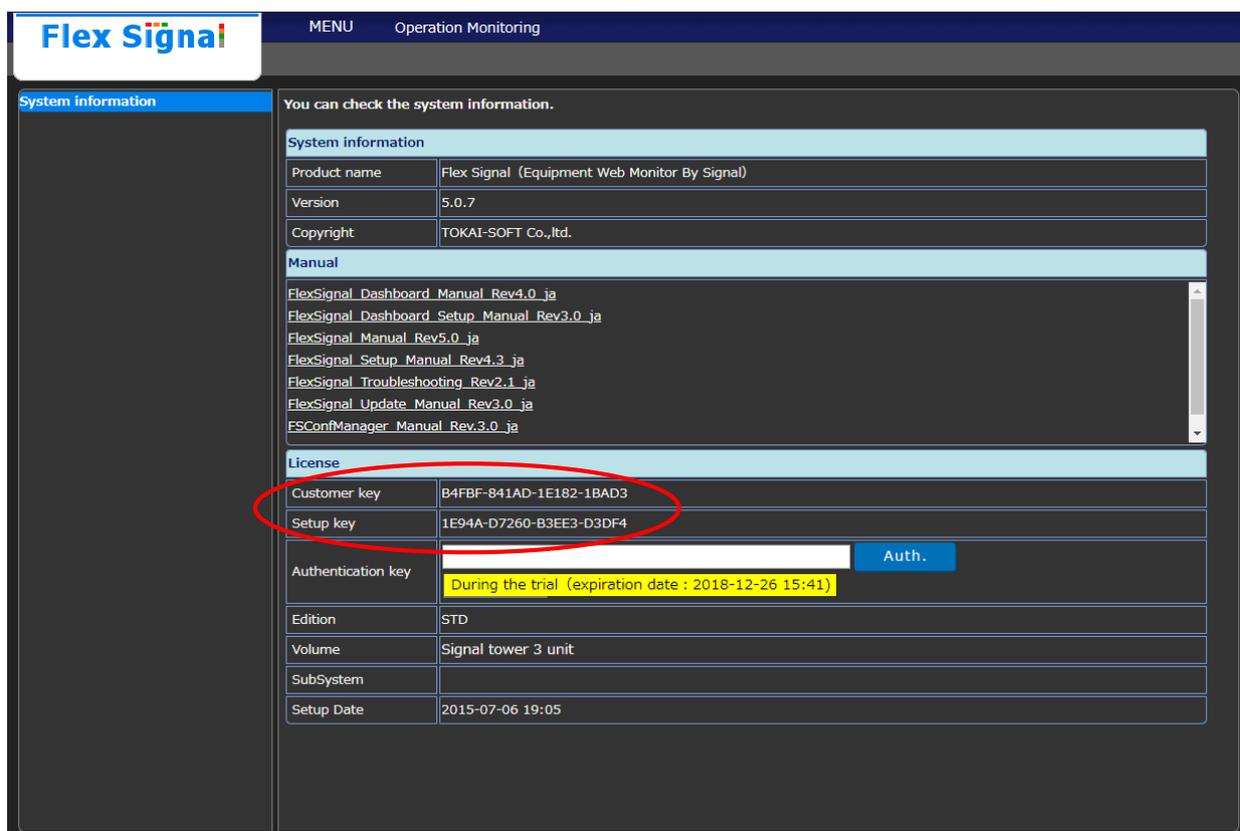


Figure 1: Help screen

2. 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.
3. After the authentication key is issued, 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.

License	
Customer key	B4FBF-841AD-1E182-1BAD3
Setup key	1E94A-D7260-B3EE3-D3DF4
Authentication key	<input type="text"/> <input type="button" value="Auth."/>
Edition	STD
Volume	Signal tower 3 unit
SubSystem	
Setup Date	2015-07-06 19:05

Figure 2: License authentication screen

When the authentication is completed, **During the trial (expiration date : 2018-12-26 15:41)** changes to **Authenticated** on the license authentication screen shown in Figure 2. 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.

* 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."

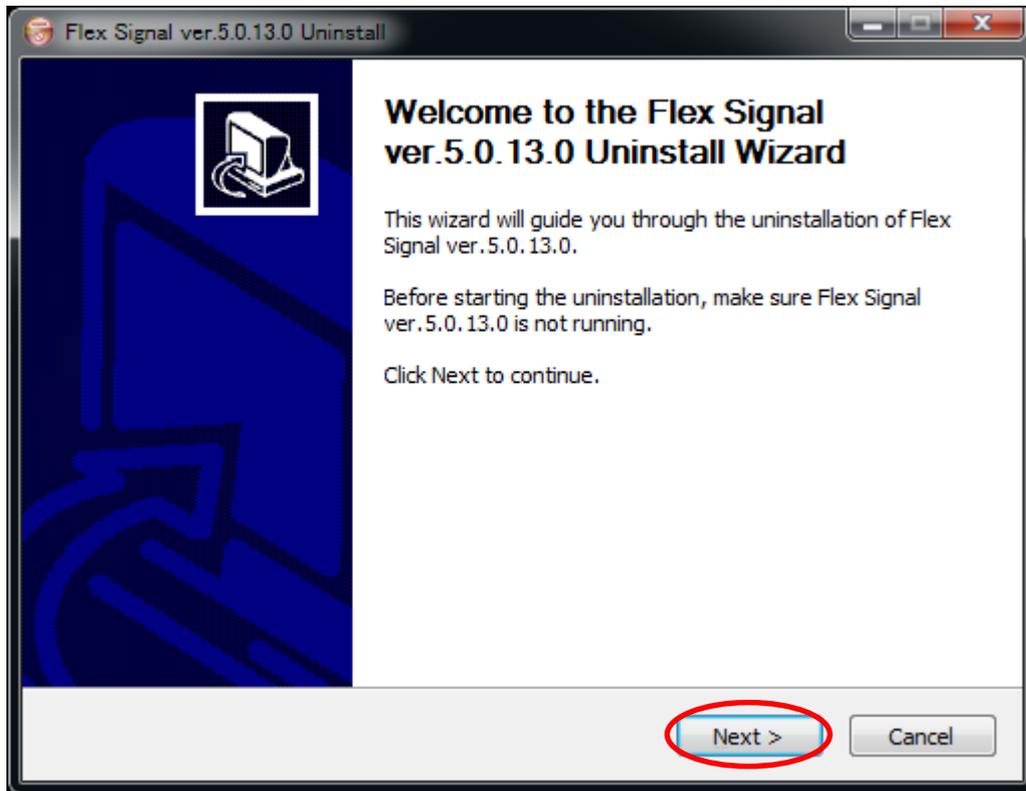


Figure 1: Uninstallation screen

3. Select "Uninstall."

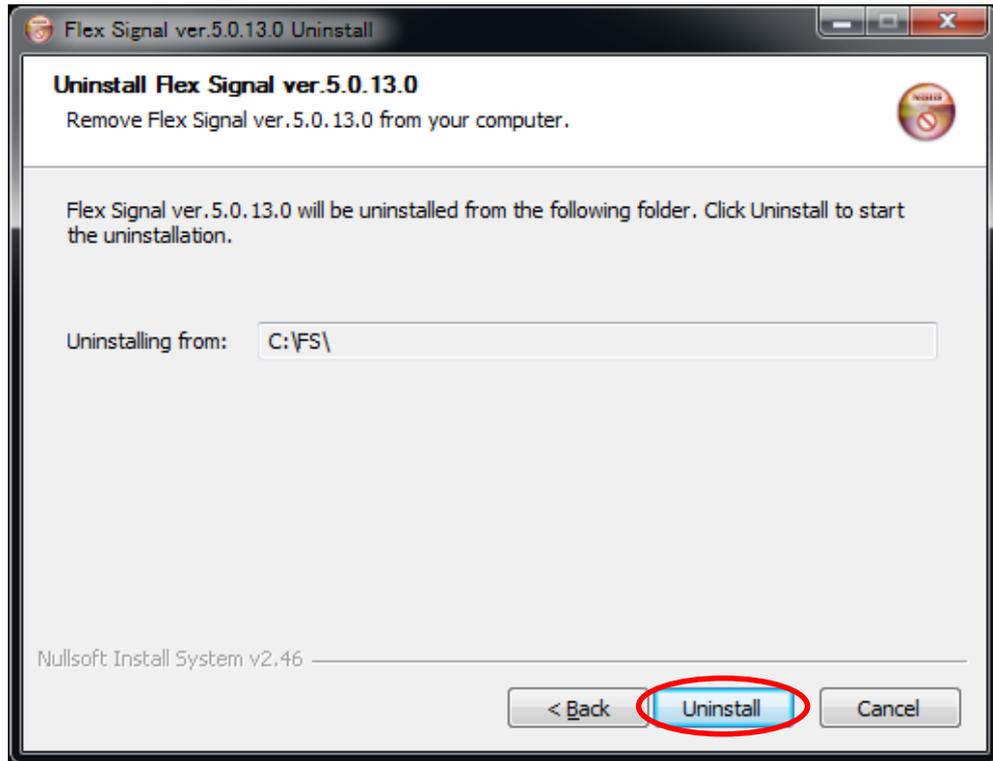


Figure 2: Uninstallation folder screen

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

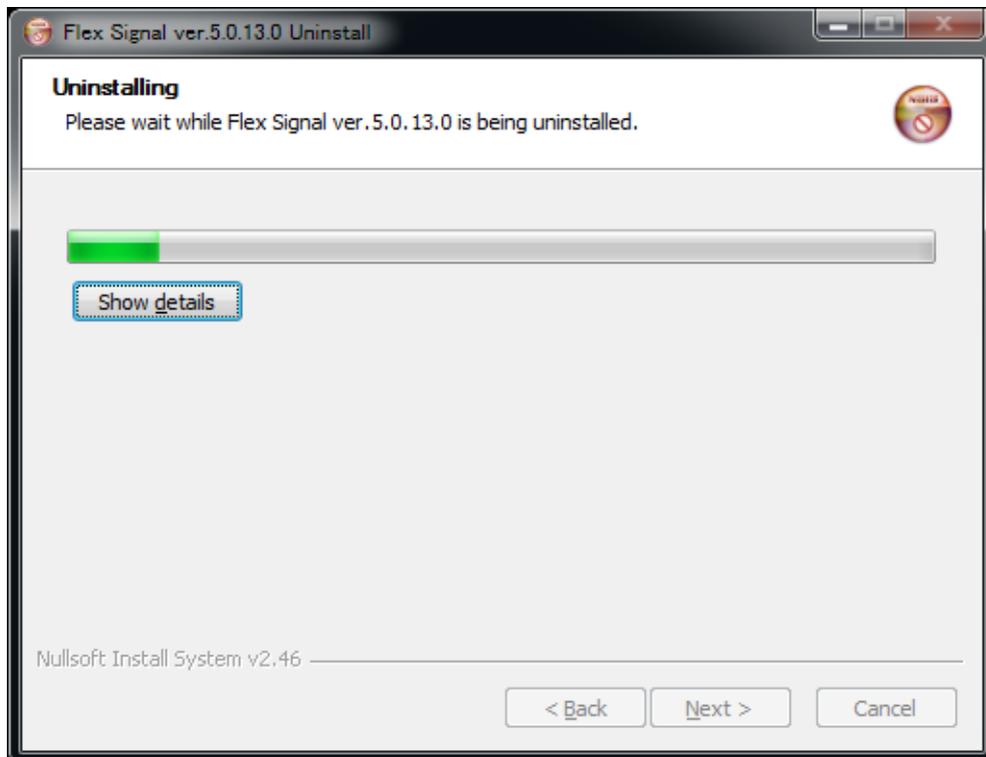


Figure 3: Screen during uninstallation

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

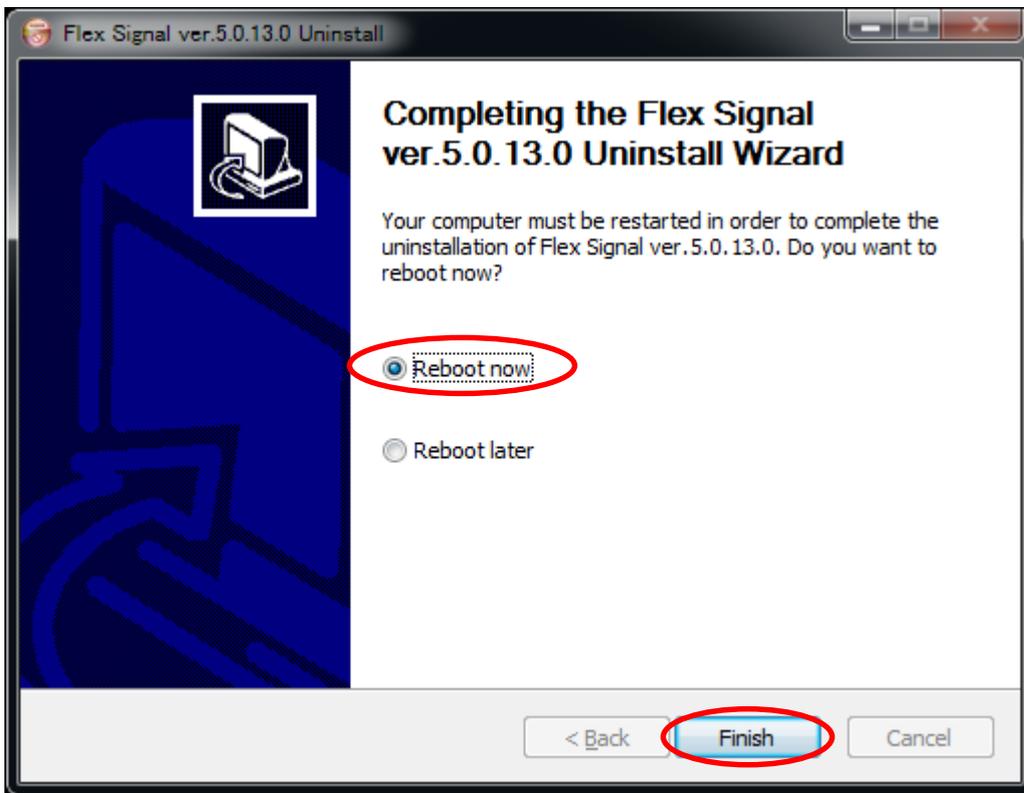


Figure 4: Uninstallation completion screen

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) The setup completion screen does not appear.

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.

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

Signal lamp settings might not be specified.

- (i) Specify signal lamp settings, referring to "Individual signal lamp settings" in the Flex Signal Instruction Manual.

(4) Authentication fails.

- (i) Confirm that the customer key on the license certificate is the same as the customer key on the Help screen in Flex Signal.
- (ii) Confirm that the customer key and setup key you sent by email are the same as those displayed on the Help screen in Flex Signal.
- (iii) 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 that the receiver can communicate with the PC where you installed the product.
- (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.

(6) I want to display Flex Signal on another PC.

- (i) See "(2) Checking the website" in Chapter 5 of this manual.



Shinmichi 2-15-1, Nishi-ku, Nagoya-shi, Aichi 451-0043
Website: <http://www.tokai-soft.co.jp/>