Multifunction Analyzer Installation manual

E090946-09

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1 Installation of Multifunction Analyzer

1.1 Operation environment

Multifunction Analyzer works with the Windows 10 / 8.1/7 OS, supporting USB.

The necessary operation environment is as following.

System requirements<u>*1</u> Windows 10 / 8.1/ 7 1 gigahertz (GHz) or faster 32-bit (x86) or 64-bit (x64) processor 1 gigabytes (GB) or more RAM (32-bit) or 2 gigabytes (GB) or more RAM (64-bit) 1 gigabytes (GB) or more available hard or solid state disk space The USB<u>*2</u> port is installed. Microsoft Excel<u>*3</u> is installed.

For Windows 10 / 8.1, please use the following Multifunction Analyzer version or later.

(It is recommended to install the latest version. The operation cannot be guaranteed if you use a version not applicable below.)

OS	Multifunction Analyzer Version
Windows10	Ver 1.9 or later
Windows 8.1	Ver 1.9 or later

*1: Even if your system meets the system requirements, displaying a dialog or items on windows might be slow because it depends on the number of signals or sampling data.

*2: We cannot warrant and support the Multifunction Analyzer behavior, if you connect it to other than USB 2.0/1.1.

*3: Microsoft Excel 2003 or greater.

The application may be unstable even if your environment meets the operation environment. It depends on connections, your PC settings or your installed software. Like waveform observations stop etc., if your USB connection is unstable, it may be able to stabilize when you use a USB hub or LAN connections.

1.2 The outline of install procedure

The following setup is necessary for using Multifunction Analyzer.

- 1. Install Operation of Multifunction Analyzer.
- Setup USB driver. At the first time Multifunction Analyzer and USB cable connect PC, it means start installing USB driver.
- Setup LAN.(IP address. If you'd like to use.) If you setup LAN, you need to connect the Multifunction Analyzer to your PC. If you setup LAN manually, you need to decide IP address and net mask which is set to the Multifunction Analyzer before you setup. If you'd like to know details of IP address, please ask your network administrator.

The installer will install the Multifunction Analyzer application and the help.

It must execute install under Administrator.

1.3 Install Multifunction Analyzer

It must execute install under Administrator.

1. You can get the installer from our website the below. Please download "MultifunctionAnalyze.exe" file according to the website.

URL: http://www.ss-technologies.co.jp/en/support/mfa_dl

2. Double click "MultifunctionAnalyzer.exe" which you downloaded. The dialog for language selection will be open.

Choose Se	etup Language 🛛 💽	
Select the language for this installation from the choices below.		
	English	
	OK Cancel	

Please select a language, then click **OK**. If you select "Japanese", the following messages will be shown in Japanese. Then, the dialog for setup as following will open.

InstallShield Wizard		
8	MultifunctionAnalyzer Setup is preparing the InstallShieldR Wizard, which will guide you through the rest of the setup process. Please wait.	
	Cancel	

Open [Control user account] and [Security warning] dialog based on system security: click [Yes], [Continue] or [Allow] for continuing installing

🛞 User Account Control	
Do you want to allow the following p unknown publisher to make changes	rogram from an
Program name: MultifunctionAnalyzer.exe Publisher: Unknown	Windows needs your permission to continue
File origin: Hard drive on this computer	If you started this action, continue.
Show details	Yes Device driver software installation Microsoft Windows
<u>Change when</u>	these not <u> D</u> etails Cancel Cancel
5/45	User Account Control helps stop unauthorized changes to your computer.

3. InstallShield Wizard dialog as following will open.



Click Next.

4. Agree with the End User License Agreement. Read the End User License Agreement, then click **Agree** if you are able to agree.

End User License Agreement	x
You must agree to the following End User License Agreement for the use of ths software. You can not install this software if you not agree.	ire
1. EXPORT RESTRICTIONS. You acknowledge that the Software is subject to Japan export jurisdiction. You agree to comply with all applicable international and national laws that apply to the Software, including the U.S. Export Administration Regulations, as well as end-user, end-use, and destination restrictions issued by U.S. and other governments.	
2. This EULA will be governed by the laws of Japan. If any part of this EULA is held invalid or unenforceable, the other parts will remain valid.	-
Do you agree?	

Agree button will be enabled, if you scroll to the bottom.

 Input the SSS number and SSS key. Please enter the SSS number and the SSS key in "SSS Registration".

InstallShield Wizard	x
Please input the SSS number and SSS Key	3
SSS number	
SSS key	
InstallShield < <u>B</u> ack Next > Cancel	_
Click Next.	

The case in the SSS number and the SSS key is ignored.

6. Assign folder for install.

In the case of change, click **Browse...** assign install folder.

InstallShield Wizard		
Choose Destination Location Select folder where Setup will install files.		
Setup will install MultifunctionAnalyzer in the following folder.		
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.		
Destination Folder		
C:\\Sophia Systems\MultifunctionAnalyzer		
InstallShield		
< <u>B</u> ack Cancel Cancel		

Please click Next if it is well.

7. <u>Please assign register folder for start menu.</u>

InstallShield Wizard
Select Program Folder Image: Select a program folder.
Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing folders list. Click Next to continue.
Program Folders: MultifunctionAnalyzer Egisting Folders: Accessories Administrative Tools Games Maintenance Startup Tablet PC
InstallShield < <u>B</u> ack <u>N</u> ext > Cancel

Please click **Next** if it is well.

8. Execute installation as following.

InstallShield Wi	zard	x
Setup Statu	s	
Multifunction	Analyzer Setup is performing the requested operations.	
Installing:		
C:\\Multifu	inctionAnalyzer\xxxxx	
	13%	
InstallShield ——	Cancel	_
	Cancel	

9. Please decide register Multifunction Analyzer icon to [Desktop].

InstallShield Wizard	x
Select to install the icon	
Select to install the icon to the menu Cannot install the icon due to menu is not selected. To continue click on the [Next] button.	
Install the icon to the Desktop menu	
InstallShield	
< <u>B</u> ack <u>N</u> ext> Cano	el

Please click **Next**. If it is well.

Copy Multifunction Analyzer file, record necessary data to the windows registry. User does not have to care the contents recorded to registry. 10. Use IP Setting Toll.

The dialog ask whether you set LAN settings as following.

InstallShield Wizard		
Use IP Setting Tool		
Would you like to set local area network(LAN) settings for the probe? If you want to set now, check "Set the probe IP environment" and press "NEXT",		
Set the probe IP environment		
InstallShield	Cancel	

If you connect the Multifunction Analyzer to your PC with LAN without DHCP server, you have to set IP address and net mask manually.

If you set the IP address and the net mask from a DHCP server, you don't have to set the probe IP environment. So, you make the "Set probe IP environment" checkbox cleared, then click **Next**.

If you set the IP address and the net mask manually, the value of the IP address and the net mask is needed.

Please ask your network administrator the details.

Now, if you set the IP address and the net mask manually, you keep the checkbox marked or make the checkbox marked, then click **Next**.

You can set IP environment later, if you set IP environment here, make the "Set probe IP environment" checkbox cleared, then please click **Next**.

Set later	Please refer <u>3 Setup LAN (IP Setting Tool)</u> .
Not set	Jump to 11.

You can set IP environment later. Please refer <u>3 Setup LAN (IP Setting Tool)</u>.



Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.

Click Finish .

[Completed dialog] maybe not be displayed by OS.

Install Multifunction Analyzer is finished by above procedure.

12. Multifunction Analyzer will be added to start menu as following shows.



Windows 10:



The order in the start menu might be changed.

2 Install USB Driver

Sophia Systems use USB as interface for Multifunction Analyzer.

Driver is structure by following file.

- SsUsb.sys (The 64-bit driver is SsUsb_x64.sys.)
- SSIEUSB.INF

This file is saved in "driver" folder under folder installed Multifunction Analyzer.

About connect USB with PC and Multifunction Analyzer Please use attached USB cable to connect with PC and Multifunction Analyzer directly. We cannot guarantee operation when course USB hub.

On Multifunction Analyzer Ver. 1.8 or newer, Multifunction Analyzer firmware is updated. After updating, Multifunction Analyzer is recognized as Human Interface Devices.

The OS Standard drivers is used. And, In Device Manager, Multifunction Analyzer displays "HID-compliant device" and "USB Input Device" in "Human Interface Devices" tree.

Contact Sophia Systems for additional support of USB driver for OS.

2.1 Install steps of Windows 10

- 1. Please connect the PC with the USB driver with the USB cable. (Connect the AC adapter and turn on the power to the main unit.)
- 2. Open Control Panel.

Click	$c [Start] \rightarrow [Windows System]$	n] → Click [Control Panel]
	Windows Phone SDK 8.1	~ ^
-	Windows PowerShell	
8	Windows System	<u>^</u>
ā	Command Prompt	
	Control Panel	
0	File Explorer	
Φ		
	A 🖽 📒 🛱	🧿 í

3. [Control Panel] will open.





4. Open [Device manager].

Right click [Unknown device] of [Other devices] select [Update Driver Software].



5. [Update Driver Software - Unknown Device] window will open.



Click Browse my computer for driver software.

6. Assign folder name has the driver.

USB driver is **SSIEUSB.INF**.

The USB driver software is located in $\$ MultifunctionAnalyzer $\$ driver which installed the Multifunction Analyzer.

Specify the folder by **Browse** button.

← ∎ Update Driver Sof	ftware - Unknown Device	×
Browse for drive	er software on your computer	
Search for driver soft	ware in this location:	
<u>Include subfolder</u>	s S	Browse
→ Let me pick This list will sh software in the	c from a list of device drivers on m ow installed driver software compatible with same category as the device.	y computer the device, and all driver
		<u>N</u> ext Cancel

Click **Next** button the assign research point.



Click Close.

8. Open Device Manager Dialog.

Confirm message as "Sophia Systems SSIE USB Driver" is added or not.



If you installed Multifunction Analyzer Version 1.9 or later, When updating the firmware HID compliant vendor definition device is displayed in [Human Interface Devices].

📇 Device Manager	<u> 10 -</u>	×
<u>File Action View H</u> elp		
🗇 🏟 📰 😰 📅 🔛		
 Audio inputs and outputs Computer 		
> 🚘 Disk drives > 🏣 Display adapters		
 > DVD/CD-ROM drives > Human Interface Devices > HID-compliant vendor-defined device > USB Input Device 		
USB Input Device USB Input Device		
Mice and other pointing devices		
> Monitors		
> 🚽 Network adapters		
> 📮 Ports (COM & LPT)		
> 🖻 Print queues		
> Processors		
> Software devices		
Sound, video and game controllers		
> Storage controllers		
> 🚛 System devices		
Universal Serial Bus controllers		

[END]

2.2 Install steps of Windows 8.1

- 1. Please connect the PC with the USB driver with the USB cable. (Connect the AC adapter and turn on the power to the main unit.)
- 2. Open Control Panel. Right-click [Start] → Left-click [Control Panel] Programs and Features Power Options Event Viewer System Do in M

	Device Manager	
	Network Connections	
	Disk Management	
	Computer Management	
	Command Prompt	
	Command Prompt (Admin)	
	Task Manager	
	Control Panel	
	Control Panel File Explorer	
	Control Panel File Explorer Search	
	Control Panel File Explorer Search Run	
	Control Panel File Explorer Search Run Shut down or sign out	
(Control Panel File Explorer Search Run Shut down or sign out Desktop	

[Control Panel] will open.
 Click [Device Manager].



Open [Device manager].
 Right click [Unknown device] of [Other devices] select [Update Driver Software].



5. [Update Driver Software - Unknown Device] window will open.



Click Browse my computer for driver software.

6. Assign folder name has the driver. USB driver is **SSIEUSB.INF**.

The USB driver software is located in $\$ MultifunctionAnalyzer $\$ driver which installed the Multifunction Analyzer.

Specify the folder by **Browse** button.

		×
4	Update Driver Software - Unknown Device	
	Browse for driver software on your computer	
	Search for driver software in this location: C:\Program Files\Sophia Systems\MultifunctionAnalyzer\driver \viewset Browset	
	✓ Include subfolders	
	→ Let me pick from a list of device drivers on my computer This list will show installed driver software compatible with the device, and all driver software in the same category as the device.	
	<u>N</u> ext Car	cel

Click **Next** button the assign research point.



Click Close.

8. Open Device Manager Dialog.

Confirm message as "Sophia Systems SSIE USB Driver" is added or not.



If you installed Multifunction Analyzer Version 1.9 or later, When updating the firmware HID compliant vendor definition device is displayed in [Human Interface Devices].



[END]

2.3 Install steps of Windows 7

1. Connect USB to PC and Multifunction Analyzer powered by AC adapter without driver, new driver will be found. However, it is **unable to successful installed** as below dialog.

Start ir	nstall device driver.				
U	Installing device driver software 🔌 Click here for status.	×			
		L	8	þ	•

Click the above tub, the below dialog will be opened.

リ Driver Software Installation	
Installing device driver sof	ftware
In Circuit Emulator	Searching Windows Update
Obtaining device driver software for Skip obtaining driver software from	rom Windows Update might take a while. <u>n Windows Update</u>
	Clo

2. [Device driver software was not successfully installed] will be indicated.

Device driver software was not successfully installed * × Click here for details.
Driver Software Installation
Device driver software was not successfully installed Please consult with your device manufacturer for assistance getting this device installed.
In Circuit Emulator XNo driver found
What can I do if my device did not install properly?
Close
Click Close

0

3. Start device manager.(devmgmt.msc) Click [Start]. Input devmgmt.msc to [Search programs and files], <return>. Back Search programs and files Programs (1) A devmgmt See more results devmgmt.msc X @ Shut down >

E

Open [Device manager].
 Right click In Circuit Emulator of [other device] select [Update driver software].





Click Browse my computer for driver software.

6. Assign folder name has drive.

There is USB driver in the folder "driver" in which Multifunction Analyzer was installed. Specify the folder by **Browse** button.

🚱 🧕 Update Driver Software - In Circuit Emulator	×
Browse for driver software on your computer	
Search for driver software in this location: C:\Program Files\Sophia Systems\MultifunctionAnalyzer\driver Browse Include subfolders 	
Let me pick from a list of device drivers on my computer This list will show installed driver software compatible with the device, and all driver software in the same category as the device.	
Next	ancel

Click **Next** button assign research point as following.

😡 🗕 Update Driver Software - In Circuit Emulator	
Installing driver software	
😵 Windows Security 💽	
Windows can't verify the publisher of this driver software	
Don't install this driver software You should check your manufacturer's website for updated driver software for your device.	
Install this driver software anyway Only install driver software obtained from your manufacturer's website or disc. Unsigned software from other sources may harm your computer or steal information.	
See <u>d</u> etails	

Click Install this driver software anyway.

8. After install driver, The following diagram will be displayed.



Click Close.

~

Confirm USB driver.
 Open Device Manager window.
 <u>Confirm message as Sophia System SSIE USB Device is added or not.</u>



If you installed Multifunction Analyzer Version 1.8 or later, When updating the firmware HID compliant vendor definition device is displayed in [Human Interface Devices].

[END]

3 Setup LAN (IP Setting Tool)

If you use the Multifunction Analyzer with LAN, you need to set IP address and net mask to the Multifunction Analyzer.

3.1 Preparation

1. Turn on the Multifunction Analyzer, after you connect it to PC with USB.

If you connect the Multifunction Analyzer to PC with USB for first time, you need to install USB driver for the Multifunction Analyzer. Please refer "<u>2 Install USB driver</u>" in this document.

- If you set the Multifunction Analyzer IP address manually, please decide the value below.
 IP address
 - sub net mask

Please ask your network administrator for details.

You will set IP address and sub net mask to Multifunction Analyzer via USB.

3.2 Start IP Setting Tool and Steps

Start IP Setting Tools.		
[All Programs] >> [MultifunctionAnalyzer] >> [MFAIPSettingTool]		
or [Start] >> [Programs] >> [MultifunctionAnalyzer] >> [MFAIPSettingTool]		
When you start ID Setting Tool, the dialog as following might be shown		
If the dialog will be shown, please update firmware in the following steps first.		
MFAIPSettingTool 83		
Pevice 1 You must update the device's firmware. Do you want to update?		
Yes <u>N</u> o		
Please select Yes		
MFAIPSettingTool		
While updating, you must not turn off the device or disconnect the USB cable.		
ОК		
Follow the dialog instructions to click OK.		
Updating firmware will be started.		
Cpdating		
52 K		
When updating firmware is finished, IP Setting Tool will be started automatically.		

The "MFAIPSettingTool" dialog as following will be opened.

IP address can be set to Multifunction Analyzer via USB	5.
---	----

MFAIPSettingTool						
USB Devices Dev	vice0: HG10010230 🔹 Reload					
Way to set IP Address	Automatic 🔻 Get IP Address					
IP Address	0.0.0.0					
Sub Net Mask	0.0.0.0					
Hostname	HG10010230					
	Apply Close					

If "USB Devices" is empty, select Reload.

3. 2. 1 Specify "Way to set IP Address" Specify how to set IP address.

Manual	Set IP address and sub net mask you want to use.
Automatic	Get IP address and subnet mask from DHCP server automatically.

3. 2. 2 In the case of specifying "Manual" in "Way to set IP Address" Please enter IP address and sub net mask you decided.

🔤 MFAIPSettingTool						
USB Devices	vice0: HG10010230 🔻 Reload					
Way to set IP Address	Manual 🔻 Get IP Address					
IP Address	10 . 58 . 100 . 220					
Sub Net Mask	255 . 255 . 255 . 0					
Hostname	HG10010230					
	Apply Close					

When you enter IP address, sub net mask and host name,

jump to "3.2.4 Write IP address settings to the Multifunction Analyzer".

3.2.3 In the case of specifying "Automatic" in "Way to set IP Address"

Get IP address and sub net mask for the Multifunction Analyzer from DHCP server.

■ MFAIPSettingTool					
USB Devices Dev	vice0: HG10010230 🔻 Reload				
Way to set IP Address	Automatic 🔻 Get IP Address				
IP Address	10 . 58 . 100 . 160				
Sub Net Mask	255 . 255 . 255 . 0				
Hostname	HG10010230				
	Apply Close				

When you click "Get IP Address", the IP address and sub net mask is displayed.

You cannot enter IP address and sub net mask.

You specify the host name for the Multifunction Analyzer in network. The host name is up to 15 characters, and you can use 1 byte alphabet, numbers, '-'(hyphen) and '_' (underscore).

The default host name is a serial number.

If you used 2 bytes characters or 1 byte kana character for the hostname, then behavior is not ensured.

If you don't change the settings, you cannot click Apply. Please click Close.

3. 2. 4 Write IP address to the Multifunction Analyzer

If you will write IP address, click Apply.

■ MFAIPSettingTool						
USB Devices Device0: HG10010230 Reload						
Way to set IP Address	Automatic 🔻 Get IP Address					
IP Address	10 . 58 . 100 . 160					
Sub Net Mask	255 . 255 . 255 . 0					
Hostname	HG 100 10230					
	Apply Close					

When you click this button, the settings will be written to the Multifunction Analyzer. But, the settings will be enabled actually after reboot.

If you want enable new settings soon, select **Yes** in a message box shown as soon as you select **Apply**.

MFAIPSettingTool	83
You should reboot the device to enable settings. Do you want to reboot the device?	
Yes <u>N</u> o	

When the Multifunction Analyzer will be rebooted, please select **Close** in "MFAIPSettingTool" dialog to finish "MFAIPSettingTool" dialog.

If you want to know how to connect the Multifunction Analyzer with LAN. please refer "Basic
Operation" – "Connecting to Devices" in online help.

4 Firmware Update

Firmware update of the main unit is performed when the firmware version written on the main unit is older than the firmware version of the installed Multifunction Analyzer.

The procedure for updating the firmware is explained below.

4.1 Preparation

1. Please connect the PC with the USB driver with the USB cable. (Connect the AC adapter and turn on the power to the main unit.)

When connecting to PC for the first time with USB, it is necessary to set USB driver.

4.2 Updating the firmware of the Multifunction Analyzer

1. Start the Multifunction Analyzer.

Windows7:



Windows10:



2. Update the firmware.

If the firmware version written on the main unit is older than the firmware version of the Multifunction Analyzer installed, the firmware update dialog will be displayed.

If it is not displayed, it is not necessary to update the firmware.



Please select Yes .

3. The notes on updating the firmware are displayed.



Please click **OK** .

4. The firmware update in progress dialog will be displayed.

Multifunction Analyzer	
Updating the firmware	
15 %	

The firmware update will be completed when it reaches 100%.

This completes updating the firmware of the Multifunction Analyzer.

5 Uninstall Multifunction Analyzer

Here is 2 way of uninstall Multifunction Analyzer.

- 1. Re-install Multifunction Analyzer
- 2. [Uninstall or change program] in Windows

5.1 Uninstall by re-install

If the Multifunction Analyzer already in PC,

Installer (MultifunctionAnalyzer.exe) of Multifunction Analyzer will execute uninstall.

Please follow the following procedure.

1. The dialog for language selection will be open.

Choose Se	etup Language	×					
	Select the language for this installation from the choices below.						
	English	•					
	OK Cance	1					

Please select a language, then click **OK**. If you select "Japanese", the following messages will be shown in Japanese. Next, judge PC status.



Open [Control user account]and[Security warning] dialog based on system security: click [Yes], [Continue] or [Allow] for continuing installing					
😗 Use	r Account Control		—		
	Do you want unknown puł	to allow the following program plisher to make changes to this o	from an		
_		5	User Account C	ontrol	×
	Program name: Publisher:	MultifunctionAnalyzer.exe Unknown	💗 Windo	ows needs your permission to continue	
	File origin:	Hard drive on this computer	If you started	this action, continue.	
🕑 s	how details	Yes		Device driver software installation Microsoft Windows	
		Change when these notif	🕑 <u>D</u> etails	<u>Continue</u> Can	cel
			User Account (Control helps stop unauthorized changes to your compu	uter.

2. It will be inquiry for delete installed application or not. It has no relate of version.



Click OK .

3. Uninstalling.

InstallShield Wizard		 X
Setup Status		
MultifunctionAnalyzer	Setup is performing the requested operations.	
Uninstalling: C:\\MultifunctionAr	nalyzer\xxxxx	
	22%	
InstallShield		
		Cancel

4. Uninstall of Multifunction Analyzer for Multifunction Analyzer finish.

InstallShield Wizard			
	Maintenance Complete InstallShield Wizard has finished performing maintenance operations on MultifunctionAnalyzer.		
	< <u>B</u> ack Finish Cancel		

5.2 Uninstall by [Uninstall or change program] in Windows

- 1. Open Control Panel
 - Windows 10:

Clic	k [Start] >> [Windows Sys	stem] >> Click [Control Panel]
	Windows Phone SDK 8.1	~ ^
-	Windows PowerShell	~
8	Windows System	~
ā	Command Prompt	
	Control Panel	
ŝ	File Explorer	
Ф		×
	A 🗆 📄 🛱	(9)

Windows 8.1:

Ri	ight-click [Start] >> Left-click [Control Pa	nel]
	Programs and Features	
	Power Options	
	Event Viewer	
	System	
	Device Manager	
	Network Connections	
	Disk Management	
	Computer Management	
	Command Prompt	
	Command Prompt (Admin)	
	Task Manager	
	Control Panel	
	File Explorer	
	Search	
	Run	
	Shut down or sign out	
	Desktop	

Windows 7:	
[Start] >> [Control Panel]	
	Control Panel
	Devices and Printers
	Default Programs
	Help and Support
All Programs	
Search programs and files	💓 Shut down 🕨

2. [Control Panel] will open.

Windows 10 / 8.1:

Click [Programs and Features] icon.



3. Diagram of [Uninstall or change a program] will open.



Double click [Multifunction Analyzer].

Follow the procedure to display on screen.

4. The dialog for language selection will be open.



Please select a language, then click **OK**. If you select "Japanese", the following **messages will be shown in Japanese.** Next, It will be an inquiry for deleting installed application or not. It has no related of version.

Confirm File Deletion	×
Do you want to completely remove the selected application and all of its components?	
OK Cancel	

Click OK.

5. Uninstalling.

InstallShield Wizard			
Setup Status			
MultifunctionAnalyzer Setup is performing the requested operations.			
C:\\MultifunctionAr	nalyzer\xxxxxx		
	2270		
InstallShield			
		Cancel	

6. Uninstall of Multifunction Analyzer finish.

InstallShield Wizard	
	Maintenance Complete InstallShield Wizard has finished performing maintenance operations on MultifunctionAnalyzer.
	< <u>B</u> ack Finish Cancel

Click Finish.

7. Multifunction Analyzer was deleted from this dialog.

~				
G	🖉 🗢 Prog 🕨 Prog	rams and Feat 👻 🍫 Search Programs and Featu	res 🔎	
	Control Panel Home	Uninstall or change a program		
	View installed updates	To uninstall a program, select it from the list and then	click	ł
۲	Turn Windows features on or off	Uninstall, Change, or Repair.		
		Organize 🔻	= • 🕐	
		Name	Publisher	
		No programs are installed on this computer		
			1 Alexandre	1
				٩.

If it cannot uninstall successful, other application becomes unstable where it influence.

Revision	Section	Chapter	Contents
E090946-03	Initial version		
E090946-04	Install	1.3	UI language selection is added.
	Uninstall	4.1, 4.2	
E090946-05	Install	1.3	URL is changed.
E090946-06	Install	1.3	URL is changed.
E090946-07	Operation environment	1.1	Notes is added.
E090946-08	Operation environment	1.1	Windows XP is removed.
	Install USB driver	2	Description of Device manager for Multifunction Analyzer Ver. 1.8 or newer id added
	Install procedure of Windows XP	2.4	Windows XP is removed.
	Windows XP	4.2.2	Windows XP is removed.
E090946-09	Operation environment	1.1	Version to guarantee operation by the OS is added.
	Install USB	2.1	Windows 8 remove.
	Driver		Windows 10 added.
		2.2	Move Windows 7 to 2.3.
			Windows 8.1 Addition.
		2.3	Delete Windows Vista.
	Firmware	4	Add firmware update.
	Update		
	Uninstall by "Uninstall or	5.2	Added a method to open the control panel of each OS.
	change program"		
		l	

History

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