# Appendix E FB200AS Driver Installation (Windows 8)



Version 1.0

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## **Revision History**

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### 1 Configuration of Win 8 before installing FB200AS driver

Microsoft Windows 7 recommends users to install software or drivers with its digital signature. Those without digital signature, however, could be installed if users want (e.g. by pressing OK button two to three times, for instance, on the popped-up windows). But this is not possible with Widows 8 (Win 8), unfortunately. So we recommend the users of FB200AS follow steps below to install the provided driver (w/o digital signature) on Win 8.

#### \*NOTE:

To install FB200AS driver on Win 8, users **MUST download FB200AS driver on their PCs** *first*. FB200AS drivers are provided on CDs or can be downloaded from our website at <u>http://www.firmtech.co.kr/02download/main\_eng.php?index=2#ou</u>.



<Fig. 1-1>

2. Select **Settings** on the menu bar as in <Fig. 1-1>



3. <Fig. 1-2> 와 같은 메뉴가 나오면 "PC 설정 변경"을 클릭합니다.

PC settings	Language Add or change input methods, keyboard layouts and languages.
Activate Windows Personalise Users Notifications	Available storage You have 97.8 GB available. See how much space your apps are using. View app sizes
Search Share	Refreshi your PC. Without arrecting your nies If your PC in trunning well, you can refresh it without losing your photos, music, videos and other personal files. Get started
General Privacy Devices	Remove everything and reinstall Windows If you want to recycle your PC or completely start again, you can reset it to its factory settings. Get started
Wireless Ease of Access	Advanced start-up Start up from a device or disc (such as a USB drive or DVD), change your PC's firmware settions, change Windows start-up settings, or restore Windows from a
Sync your settings HomeGroup	Restart now

<Fig. 1-3>
4. Select General on the left menu as in <Fig. 1-3> and then select Restart now on the
Advanced start-up option.



5. Users will see *Please wait* message on the screen as in <Fig. 1-4>.

Choose an optior	า
Exit and continue to Windows 8	Turn off your PC
Use a device Use a USB drive, network connection or Windows recovery DVD	
Troubleshoot Refresh or reset your PC, or use advanced tools	

<Fig. 1-5>

6. Select **Use a device** option as in <Fig. 1-5>.

¢	Troubleshoot
	Refresh your PC If your PC isn't running well, you can refresh it without losing your files
	Reset your PC If you want to remove all of your files, you can reset your PC completely
	Advanced options

<Fig. 1-6>
7. Select Advanced options as in <Fig. 1-6> to move to the settings page.

Adva	anced optior	۱S	
4	System Restore Use a restore point recorded on your PC to restore Windows	C:\	Command Prompt Use the Command Prompt for advanced troubleshooting
-	System Image Recovery Recover Windows using a specific system image file	¢	Start-up Settings Change Windows' start-up behaviour
< <b>\$</b>	Automatic Repair Fix problems that keep Windows from leading		

<Fig. 1-7>8. Choose Start-up Settings on the screen as in <Fig. 1-7>.

¢	Start-up Settings	
	Account of the problem of the probl	
	<fig. 1-8=""></fig.>	

9. On the screen as in <Fig. 1-8>, please press **Restart** button





10. After restarting your computer, move to **Start-up Settings** screen again as in <Fig. 1-9> and choose **7**) **Disable driver signature enforcement** among nine options to finish the required configuration.



<Fig. 1-10>
11. Reboot your computer. On the screen as in <Fig. 1-10>, select **Desktop**.

#### 2 Installation of FB200AS driver on Win 8

		System		- 19 <del>7</del>	. 🗆 🗾
🖯 🎯 🔹 🕇 🕎 🕨 Control Pa	anel 🔸 System and Security 🔸 Sy	stem	~ ¢	Search Control Panel	م
Control Panel Home	View basic information	about your computer			
Device Manager	Windows edition				
Remote settings	Windows 8 Pro				-
System protection	© 2012 Microsoft Corporat	tion. All rights reserved.		Indowe	5 8
Advanced system settings	Get more features with a n	ew edition of Windows		in active.	
	System				
	Rating:	System rating is not available			
	Processor:	Intel(R) Core(TM) i5-3210M CPU @ 2.50GHz 2.50 GHz			
	Installed memory (RAM):	8.00 GB			
	System type:	64-bit Operating System, x64-based processor			
	Pen and Touch:	No Pen or Touch Input is available for this Display			
	Computer name, domain and	workgroup settings			
	Computer name:	firmtech		🚱 Chan	ge settings
	Full computer name:	firmtech			
	Computer description:				
See also	Workgroup:	WORKGROUP			
Action Center	Windows activation				
Windows Update	Windows is not activated.	View details in Windows Activation			
Performance Information and Tools	Product ID: 00178-10140-0	0000-AA401			

<Fig. 1-11>

1. Select **My Computer** on the screen and click right button of your mouse to choose **Configuration**. System window will appear as in Fig. 1-11. Select **Device Manager**.

1	🚽 Device Manager – 🗆 🗙	×
6 9	File Action View Help	l Panel 🔎
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🛞 Devic	b 4 Audio inputs and outputs	
Remo	> 🗃 Batteries	
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😽 Syster	> 🧫 Disk drives	NV/S X
🚱 Adva	Display adapters	1100
1000	DVD/CD-ROM drives	
	Um Human Interface Devices	-
	Carlot A 1A/A 1API controllers	
	Figure and the second secon	
	Nemocy technology davies:	
	Mice and other pointing devices	
	Monitors	
	▶ ₽ Network adapters	
	Dy Other devices	
	Buetooth Controller	Change settings
	jin FB200AS	U change settings
	Processors	
	🛛 🙀 Sound, video and game controllers	
See al	Storage controllers	
Actio	▶ 📲 System devices	
Wind	Universal Serial Bus controllers	
Wind		
Perfo		
10015		

#### <Fig. 1-12>

2. As in <Fig. 1-12>, FB200AS driver is classified as **Other devices** as the necessary driver has not been installed. Double click FB200AS to see **Properties** to manually install the driver.

	Device Device	e Manager	
	File Action View Help		م ا:
Control Par	← ↔   ;;;   [2] ;;   [2] ;;   [4] FB200A	S Properties	
<ul> <li>Device Mar</li> <li>Remote set</li> <li>System pro</li> <li>Advanced s</li> </ul>	▲ firmtech         ▲ audio inputs and outp         ▲ Batteries         ▲ Computer         ▶ ▲ Display adapters         ▶ ▲ Memory technology d         ▶ ▲ Monitors         ▶ ▲ Monitors         ▶ ▲ Network adapters         ▲ Buteoth Controll         ▶ ■ Processors         ▶ ■ Processors         ▶ ■ Sound videe and name	devices own #0001.Hub_#0003 ti installed. (Code 28) lick Update Driver	/S° 8
See also Action Cen	Storage controllers     Mineral Serial Bus co	OK Cancel	
Windows U Performanc Tools			

<Fig. 1-13>

3. Press **Update Driver** button as in <Fig. 1-13> to manually install the required driver.

<Fig. 1-14>

	4	Device Manager -	
	File Action	View Help	٩ ٩
Control Par			•
😗 Device Mar	⊳ ¥ At	<ul> <li>Update Driver Software - FB200AS</li> </ul>	
<ul> <li>Remote set</li> <li>System pro</li> </ul>		How do you want to search for driver software?	/s <sup>.</sup> 8
M Advanced s		Search automatically for updated driver software Windows will search your computer and the Internet for the latest driver software for your device, unless you've disabled this feature in your device installation settings.	
	→ M → M → M → M → M → M	Browse my computer for driver software Locate and install driver software manually.	hange settings
See also	⊳ 💭 Pr ⊳ 💭 Pr ⊳ 🕊 Sc ⊳ � St –		
Action Cen	⊳ pt Sy	Cancel	
Windows U			
Performanc Tools			

4. Select **Browse my computer for driver software** on the screen in <Fig. 1-14>.

l	System	×
🔄 🏐 👻 🕇 🔛 Kontr	ol Panel + System and Security + System	Search Control Panel
Control Panel Home	C II Update Driver Software - FB200AS	
Remote settings System protection Advanced system settings	Browse for driver software on your computer	dows 8
	Search for driver software in this location: C:\Users\Rndpc02\Desktop\FB200AS_Driver_new_20110601 Browse Browse	
	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.	😗 Change settings
See also		
Action Center Windows Update	Next	Cancel
Performance Information an Tools	d Product ID: 00178-10140-00000-AA401	

5. Click **Browse** button in <Fig. 1-15>.

<Fig. 1-15>

4	Device Ma	nager	- 🗆 ×
File Action View H	elp		
A dudio inputs an	d outputs		^
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Is Computer	_		
Disk drives	🔄 🧕 Update Driver Software - USB Serial P	Browse For Folder	
<ul> <li>Display adapter</li> <li>DVD/CD-ROM</li> <li>Um Human Interfactor</li> </ul>	Browse for driver software on your com	Select the folder that contains drivers for your hardware.	
<ul> <li>IDE ATA/ATAP</li> <li>Imaging device</li> <li>Keyboards</li> </ul>	Search for driver software in this location:	■ Desktop ▷ 🧝 Libraries	
Memory techn Mice and other	C:\Users\Rndpc02\Desktop\FB200AS_Driver_new_2	▷ 🥵 Rndpc02	
Monitors Monitors Metwork adapt Monitors Metwork adapt Met	✓ Include subfolders	<ul> <li>Image: Computer</li> <li>Image: Second Science Scienc</li></ul>	
Image: Serial F           Image: Serial F           Image: Serial F           Image: Serial F           Image: System devices           Image: System devices           Image: Image: System devices           Image: Image: System devices           Image: Image: System devices           Image: Image: Image: System devices           Image: Image: Image: Image: Image: System devices           Image: I	Let me pick from a list of device dr This list will show installed driver software cor software in the same category as the device.	Folder: FB200AS_Driver_new_20110601	
Generic USE Generic USE Intel(R) USE		Next Cancel	
<ul> <li>Standard En</li> <li>Standard En</li> <li>USB Compo</li> <li>USB Root Hu</li> <li>USB Root Hu</li> </ul>	hanced PCI to USB Host Controller hanced PCI to USB Host Controller site Device ub ub		~
USB Root Hu	ub ub		

<Fig. 1-16>

6. Browse and select the driver provided for FB200AS as in <Fig. 1-16> and press OK button.



<Fig. 1-17>

7. While installing the driver, if you are faced with Windows Security pop-up window as in <Fig. 1-17>, choose "**Install this driver software anyway**" to continue installation.

Computer							
				19	×		
Network				00	Device Manager		
					File Action View Help		
				Contr			
12					A firmtech     C     Update Driver Software - FB200AS		
Residente				B Remo	s 🙀 Audio		
				Sucter	Installing driver software		
-				Advai	⊳ ⊒ Disk di VVS O		
3					> 🔬 DVD/C		
Revel-Bin					> 0% Huma		
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Control Panel					b 🖉 Netwo		
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							Build 9200
e		-	-	3		P 10 20 0 ENG	17:01 29/01/2013

<Fig. 1-18>

8. If you has chosen the right location of the driver of FB200AS stored, installation will proceed as in <Fig. 1-18>.

1	A Device Manager	× ×
• •	File Action View Help	Panel P
Contr		×
🚱 Devic	ifirmtech ⊖ 및 Update Driver Software - FB200AS	^
🚱 Remc 🚱 Systei	<ul> <li></li></ul>	ws <sup>.</sup> 8
😽 Advai	▷ ➡ Display ▷ ➡ DVD/C Windows has finished installing the driver software for this device: ▷ Ugg Huma	
	▷          Imagir         FB200AS         ▷          ▷          Keybo         ▷          Memo         ▷          𝔅 Memo         ▷          𝔅 Monit	
	<ul> <li>▷ ✿ Netwo</li> <li>▲ ⑦ Other</li> <li>④ Bl.</li> <li>● ௺ Print q</li> <li>&gt; ■ Proces</li> </ul>	P Change settings
See al	5 🐳 Sound	
Actio	s Systen	
Wind	Julier Julier	Close
Perfo	FB;	v.

Fig. 1-19>9. After the installation of FB200AS driver, a screen in <Fig. 1-19> will appear on your screen.



<Fig. 1-20>
10. In <Fig. 1-20>, you will be able to check the installed driver of FB200AS.

\* Unlike Windows XP/7, Windows 8 does not ask users to install USB serial port driver. Therefore, USB driver should be installed manually by users additionally as follows:



<Fig. 1-21>

11. In <Fig. 1-21>, you can see FB200AS on the list but USB serial port has not been installed. Users should install the USB driver now.

4	Device Manager	. 🗆 🗡
File Action View Help		
	5	
<ul> <li>firmtech</li> <li>Audio inputs and outputs</li> <li>Batteries</li> <li>Computer</li> <li>Disk drives</li> <li>Display adapters</li> <li>DVD/CD-ROM drives</li> <li>DVD/CD-ROM drives</li> <li>ELE ATA/ATAPI controllers</li> <li>ELE ATA/ATAPI controllers</li> <li>Mice and other pointing devices</li> <li>Mice and other pointing devices</li> <li>Monitors</li> <li>Subscript devices</li> <li>Bluetooth Controller</li> <li>Bluetooth Controller</li> <li>Sound, video and game controllers</li> <li>Sound, video and game controllers</li> <li>Sound, video and game controllers</li> <li>FE200AS</li> <li>Generic USB Hub</li> <li>Generic USB Hub</li> <li>Intel(R) USB 3.0 eXtensible Host</li> <li>Standard Enhanced PCI to USB Hec</li> <li>USB Root Hub</li> <li>USB Root Hub</li> <li>USB Root Hub</li> </ul>	USB Serial Port Properties         General Driver Details Events         USB Serial Port         Device type:       Other devices         Manufacturer:       Unknown         Location:       on FB200AS         Device status	

<Fig. 1-22>

12. Select **USB serial port** of your **Device Manager** and right click of your mouse to open **Properties**. Please choose **Update Driver** button as in <Fig. 1-22>.





13. Choose "Browse my computer for driver software" as in <Fig. 1-23>.



<Fig. 1-24>

14. Select the folder where FB200AS driver is stored by clicking **Browse** button in <Fig. 1-24>. Press **Next** button.



<Fig. 1-25>

15. While installing the driver, if you are faced with Windows Security pop-up window as in <Fig. 1-25>, choose "**Install this driver software anyway**" to continue installation.



<Fig. 1-26>

16. After you finish installing USB serial port driver, you will see a window as in <Fig. 1-26>. Press **Close** button.



<Fig. 1-27>

17. Now, after successful installations of FB200AS driver and USB driver, *FB200AS* under **Universal Serial Bus controllers**, and *FB200AS* (*COM3*) under **Ports (COM&LPT)**.

\*COM port number can vary depending on individual PC environment.