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USB Data Transfer Cable Installation Guide



Safety Precautions

This guide contains a variety of safety markings related to the safe and correct operation of the USB Data Transfer Cable. Be sure to read this guide and any related manuals carefully to fully understand how to correctly use this cable.

Safety Symbol

This guide uses the following safety-related symbol. Please pay attention to this symbol and follow the instructions given.

Safety symbol and its meaning:



A potentially hazardous situation that could result in serious injury or death and cause major equipment damage if instructions are not followed.

MARNINGS

- Do not disassemble or remodel this cable in any way. Doing so may cause an electric shock or fire.
- Do not use this cable in areas where flammable gases are present. Doing so may cause an explosion.

To Prevent USB Data Transfer Cable Damage

- Do not use the USB Data Transfer Cable at temperatures outside the range specified in this guide.
- Do not use or store this cable at very high temperatures.
- Do not use or store this cable in direct sunlight or excessively dusty or dirty environments.
- Do not use or store this cable in an environment where it may be exposed to chemical vapors or fumes.
- Do not allow water to enter the connector. Also, do not touch the connector if your hands are wet. Doing so may cause an electric shock.
- Do not connect or disconnect the USB Data Transfer Cable during data transfer. Doing so may cause a data communication error.

Package Contents

The following items are included in this unit's package. Prior to using the unit, be sure to confirm that all the items shown below are present in the package.



This unit has been carefully packed, with special attention to quality. However, if for any reason, you find any of the contents of this package damaged or missing, please contact your local Pro-face representative immediately.

Compatible OS Types

Microsoft[®] Windows[®] 98, Microsoft[®] Windows[®] Me, Microsoft[®] Windows[®] 2000, and Microsoft[®] Windows[®] XP.

Product names other than those listed below are trademarks or registered trademarks of their respective owners.

Trademark Name	Trademark Holder	
Dro faco	Digital Electronics Corporation	
FIU-lace	(In Japan and other countries)	
Windows [®] 98, Windows [®] Me,	Microsoft Corporation LISA	
Windows [®] 2000, Windows [®] XP		

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Specifications

General

I/F Type	USB (Specification Rev. 1.1)
Connector Type	USB (Series A Plug)

Electrical

Rated Voltage	5VDC
	(Powered from USB bus & GP tool connector)
Power Consumption	0.5W (Max)

Environmental

Ambient Temperature	0°C to 50°C
Storage Temperature	-10°C to +60°C
	10%RH to 90%RH
Ambient Humidity	(No condensation,
	wet bulb temperature: 39°C or less)
	10%RH to 90%RH
Storage Humidity	(No condensation,
	wet bulb temperature: 39°C or less)

External

Weight	180g or less
External Dimensions (Cable length)	Overall Length 2.2 <u>+</u> 0.07m
	(From PC USB connector to circuit case
	2.0 + 0.05m)



- The GP and PC signals are not insulated.
- In the Data Transfer Cable, the FG (cable shield) and SG wires are shorted together.
- Extending the length of the cable via a USB extension cord can degrade (weaken) signals, possibly causing an error. As a result, do not extend the length of the Data Transfer Cable.

2 Installation

Connect the USB Data Transfer Cable's USB connector to your PC's USB port.





- Be sure to hold the cable connector, not the cable itself, when unplugging the cable from the GP unit. Next, pull down on the connector to release the connector's lock feature (However, certain GP types do not have this locking feature).
- When connecting the USB Data Transfer Cable to your PC or to the GP, be sure to insert the cable's connector at the correct 90° angle. Failure to do so may damage either the connector or the main unit.
- Since the data transfer cable's connector case is metal, be sure it does not contact the charged section of any other equipment.

3 Installation Procedure

■ Windows[®] 98

- 1. Start Windows, and connect the GPW-CB03 to your PC's USB port. Then, insert this package's driver CD into the PC's CD-ROM drive.
- 2. In the following [Add New Hardware Wizard] dialog box, click [Next].
- 3. The [Add New Hardware Wizard] dialog box should now display as shown below. Check the [Search for the best driver for your device. [Recommended].] option, and click [Next].

included].] option	i, und enex [i text]:
Add New Hardware Wiz	ard
	What do you want Windows to do? Search for the best driver for your device. Recommended). Display a list of all the drivers in a specific location, so you can select the driver you want.
	<pre> < Back Next > Cancel</pre>

4. In the following dialog box, check the [Specify a location:] option, and click [Browse...]. Select the [GPW-CB03] folder in the installation CD-ROM. When the [Add New Hardware Wizard] dialog box reappears, click [Next].

Add New Hardware Wiz	ard
	Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search. Eloppy disk drives CD-ROM drive Microsoft Windows Update Specify a Jocation: D:\GPW-CB03 Browse
	<a>Back Cancel

5. Confirm that the [Windows driver file search for the device:] is [Pro-face GPW-CB03], and click [Next].



6. Click [Finish] to complete the installation.

Add New Hardware Wizard	
	Pro-face GPW-CB03
	Windows has finished installing the software that your new hardware device requires.
<u>⊗Baek</u> , Cancel	



• COM Port Numbers will be assigned in order, after previously connected devices.

• If installation does not complete successfully, be sure to restart the PC and quit all resident applications before re-installing the software.

■ Windows[®] Me

- 1. Start Windows, and connect the GPW-CB03 to your PC's USB port. Then, insert this package's driver CD into the PC's CD-ROM drive.
- 2. In the [Add New Hardware Wizard] dialog box, check the [Specify the location of the driver [Advanced]] option, and click [Next].

Add New Hardware Wiza	ard
	Windows has found the following new hardware: USB Device Windows can automatically search for and install software that supports your hardware. If your hardware came with installation media, insert it now and click Next. What would you like to do? Automatic search for a better driver (Recommended) Specify the location of the driver (Advanced)
	≪ <u>₿</u> ack Next > Cancel

3. Check the [Specify a location:] option, and click [Browse].

Add New Hardware Wiza	ard
	Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected Search for the best driver for your device. (Recommended). Removable Media (Floppy, CD-ROM) Specify a location: Display a list of all the drivers in a specific location, so you can select the driver you want.
	< <u>B</u> ack Next > Cancel

4. Select the [GPW-CB03] folder in the installation CD-ROM, and click [OK].

Browse for Folder	? 🗙
Select the folder that contains driver information (.INF file) this device.	or
⊡-@ Desktop	
⊕-∰ My Documents	
다. 🤤 My Computer	
i ⊡- 🛃 3½ Floppy (A:)	
😟 🖅 🚍 SS (C:)	
🖽 🤬 Compact Disc (D:)	
GPW-CB03	
WIN2K	
WIN98 ME	
मि-छिंग Control Panel	
田 備史 Mu Network Places	
Becucle Bin	-
OK Course	

In the [Add New Hardware Wizard] screen, click [Next]. 5.

Add New Hardware Wiza	ard
	Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected Image: Search for the best driver for your device. (Recommended). Image: Removable Media (Floppy, CD-ROM) Image: Specify a Jocation: Image: E:\GPW-CB03 Image: Display a list of all the drivers in a specific location, so you can select the driver you want.
	< <u>B</u> ack Next > Cancel

Confirm that the [Windows driver file search for the device:] is [Pro-face 6. GPW-CB03], and click [Next].

Add New Hardware Wiza	ard
	Windows driver file search for the device: Pro-face GPW-CB03 Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue. Location of driver: E:\GPW-CB03
	< <u>B</u> ack <u>Next></u> Cancel

Click [Finish] to complete the installation. 7.

Add New Hardware Wiz	ard
	Pro-face GPW-CB03
GŞK	Windows has finished installing the new hardware device.
	«Back Finish Cancel



- COM Port Numbers will be assigned in order, after previously con-Note: nected devices.
 - If installation does not complete successfully, be sure to restart the PC and quit all resident applications before re-installing the software.

■ Windows[®] 2000

- 1. Start Windows, and connect the GPW-CB03 to your PC's USB port. Then, insert this package's driver CD into the PC's CD-ROM drive.
- 2. In the following [Found New Hardware Wizard] dialog box, click [Next].
- 3. The [Found New Hardware Wizard] dialog box should now display as shown below. Check the [Search for a suitable driver for my device [recommended]] option, and click [Next].

Found New Hardware Wizard
Install Hardware Device Drivers A device driver is a software program that enables a hardware device to work with an operating system.
This wizard will complete the installation for this device:
A device driver is a software program that makes a hardware device work. Windows needs driver files for your new device. To locate driver files and complete the installation click Next.
What do you want the wizard to do?
Search for a suitable driver for my device (recommended)
Display a list of the known drivers for this device so that I can choose a specific driver
< <u>B</u> ack Next > Cancel

4. In the following dialog box, check the [Specify a location] option, and click [Next].

Found New Hardware Wizard
Locate Driver Files Where do you want Windows to search for driver files?
Search for driver files for the following hardware device:
USB Device
The wizard searches for suitable drivers in its driver database on your computer and in any of the following optional search locations that you specify. To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive, insert the floppy disk or CD before clicking Next.
Optional search locations: Floppy <u>d</u> isk drives <u>CD-ROM drives</u>
✓ <u>Specify a location</u> <u>Microsoft Windows Update</u>
< <u>B</u> ack Cancel

5. In the following dialog box, click [Browse...].



6. Select the [SERWPL.INF] file located in the CD-ROM drive's [GPW-CB03] folder, and click [Open].

Locate File						? ×
Look <u>i</u> n:	🔄 GPW-CB03	ļ	<u> </u>	- B 💣	!!!! •	
History	I WIN2K I WIN98_ME I SERWPL.INF					
Desktop						
My Documents						
My Computer						
	File <u>n</u> ame:	SERWPL.INF		•	[[<u>O</u> pen
	Files of <u>type</u> :	Setup Information (*.inf)		`₹	[[Cancel

7. In the following dialog box, click [OK].

Found Nev	w Hardware Wizard	×
	Insert the manufacturer's installation disk into the drive selected, and then click OK.	Cancel
	<u>C</u> opy manufacturer's files from: D:\GPW-CB03	<u>B</u> rowse

8. Confirm that [The wizard found a driver for the following device:] is [Proface GPW-CB03], and click [Next].

Found New Hardware Wizard
Driver Files Search Results The wizard has finished searching for driver files for your hardware device.
The wizard found a driver for the following device:
Windows found a driver for this device. To install the driver Windows found, click Next.
d:\gpw-cb03\serwpl.inf

9. Click [Finish] to complete the installation.



If the Data Transfer Cable is unplugged from the port designated during installation and connected to a different port, the OS will recognize the new port. Therefore, be sure to always use the port designated during installation.



If installation does not complete successfully, be sure to restart the PC and quit all resident applications before re-installing the software.

■ Windows[®] XP

- 1. Start Windows, and connect the GPW-CB03 to your PC's USB port. Then, insert this package's driver CD into the PC's CD-ROM drive.
- 2. In the [Found New Hardware Wizard] dialog box, check the [Install from a list or specific location (Advanced)] option, and click [Next].



3. Check the [Include this location in the search:] option, and click [Browse].

Found New Hardware Wizard		
Please choose your search and installation options.		
\odot Search for the best driver in these locations.		
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.		
Search removable <u>m</u> edia (floppy, CD-ROM)		
✓ Include this location in the search:		
Browse		
\bigcirc Don't search. I will choose the driver to install.		
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.		
< <u>B</u> ack Cancel		

4. Select the [GPW-CB03] folder in the installation CD-ROM, and click [OK].



5. In the [Found New Hardware Wizard] screen, click [Next].

Found New Hardware Wizard		
Please choose your search and installation options.		
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.		
Search removable <u>m</u> edia (floppy, CD-ROM)		
✓ Include this location in the search:		
G:\GPW-CB03 I♥ Browse		
◯ <u>D</u> on't search. I will choose the driver to install.		
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.		
< <u>B</u> ack Next > Cancel		

6. In the [Hardware Installation] screen, click [Continue Anyway].

Hardware Installation			
	The software you are installing for this hardware: Pro-face GPW-CB03		
	has not passed Windows Logo testing to verify its compatibility with Windows XP. (<u>Tell me why this testing is important.</u>) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.		
	Continue Anyway		

7. Click [Finish] to complete the installation.





If the Data Transfer Cable is unplugged from the port designated during installation and connected to a different port, the OS will recognize the new port. Therefore, be sure to always use the port designated during installation.



If installation does not complete successfully, be sure to restart the PC and quit all resident applications before re-installing the software.

4 Post-Installation Check

- 1. Right-click on [My Computer] and click on [Properties]. When the [System Properties] box appears, click on [Device Manager].
- 2. Confirm that [Pro-face GPW-CB03 (COM3)] is available in the [Ports [COM & LPT]] sub-folder (Windows Me System Properties dialog box).

System Properties		
General Device Manager Hardware Profiles Performance		
View devices by type View devices by connection		
I I III Monitors IIII IIII IIIIIIIIIIIIIIIIIIIIIIIIII		
I III month and a share a sha		
El-est Network adapters		
Communications Port (COM1)		
Communications Port (COM2)		
Printer Port (LPT1)		
Pro-face GPW-CB03 (COM3)		
🗄 🥰 Universal Serial Bus controllers		
Intel(R) 82801BA/BAM USB Universal Host Controller - 24		
Intel(R) 82801BA/BAM USB Universal Host Controller - 24		
USB Root Hub		
Properties Refresh Remove Print		
OK Cancel		



The COM number ("3" in the above figure) is assigned automatically by the OS.

If the OS has previously allocated COM numbers for other devices (internal modems, IrDA ports, etc.), the GPW-CB03 will be allocated to the next available COM number.

5 Changing the COM Port Number

■ Windows[®] Me (Windows[®] 98)

- 1. Right-click on your desktop's [My Computer] icon. Then, click on the [Properties] selection to call up the [System Properties] dialog box. There, click on the [Device Manager] tab.
- 2. Double-click on [Ports [COM & LPT]], and check which COM number is being used for the USB cable.
- 3. In [Device Manager], double-click on [Modem], and check the modem's COM number (This can only be done if your PC is equipped with a modem).
- 4. If your PC contains an IrDA device, check that device's COM number.
- 5. The following table shows valid Input/Output range values for any currently unused COM port numbers:

COM Number	Input/Output Range
COM1	03F8-03FF
COM2	02F8-02FF
COM3	03E8-03EF
COM4	02E8-02EF

- 6. Double-click again on [Ports [COM & LPT]]. Select [Pro-face GPW-CB03], and click the [Properties] button.
- 7. In the [Pro-face GPW-CB03 [COM3] Properties] dialog box, click on the [Resources] tab. Uncheck the [Use Automatic Settings] checkbox.
- 8. Confirm that [Input/Output range] is selected, and click the [Change Setting] button.
- 9. In the following [Edit Input/Output Range] dialog box, select/enter a COM range (in the [Value] box) that does not conflict with any of the other previously set COM numbers. Then, click [OK].

Edit Input/Output Range	?	×
Enter the input/output range you would like to set for this device.		
You may either enter a specific range and the nearest valid range will be selected automatically, or you may select a rang using the arrows.	е	
Value: 03E8 - 03EF		
Conflict information The setting you have chosen does not conflict with any other devices.		
No devices are conflicting.		
Canc	el	

10. The following [Creating a Forced Configuration] dialog box will appear. Click [Yes]. Last, in the [System Settings Change] dialog box, you will be asked to restart your computer. Click [Yes].

Creating	a Forced Configuration 💉
	You adjusted one or more resource settings manually.
	If you continue, these settings will be assigned, and Windows will be unable to change them automatically to make room for hardware you install in the future.
	For example, if you install a Plug and Play compatible device later, Windows may not be able to set it up because these settings are unavailable. If this happens, you can return to the Resources tab and select the Use Automatic Settings check box.
	Do you want to continue?
	<u>Yes</u> <u>N</u> o

■ Windows[®] XP (Windows[®] 2000)

- 1. Right-click on your desktop's [My Computer] icon. Then, click on the [Properties] feature.
- 2. This opens up the [System Properties] dialog box. Click on the [Hardware] tab, and click the [Device Manager] button.

System Properties				
System Restore Automatic Updates Remote General Computer Name Hardware Advanced				
Add Hardware Wizard				
Add <u>H</u> ardware Wizard				
Device Manager The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.				
Driver <u>Signing</u> Device Manager				
Hardware Profiles Hardware profiles provide a way for you to set up and store different hardware configurations.				
Hardware Profiles				
Cancel Apply				

- 3. In [Device Manager], double-click on [Ports [COM & LPT]]. Select [Pro-face GPW-CB03], and click on [Properties].
- 4. In the [Pro-face GPW-CB03 [COM3] Properties] dialog box, click on the [Port Settings] tab, and click the [Advanced] button.

5. In the following [Advanced Settings for COM1] dialog box, select an unused number for the [COM Port Number], and click [OK].

Adv	anced Settings for COM	Å1						<u>, 7</u>
	Use FIFO buffers (requ Select lower settings to Select biobog actings 1	uires 16550 o correct co	compatible UAR	T)				OK Cancel
	Select higher seamings i		romance.		—ò	High (14)	(14)	<u>D</u> efaults
	<u>T</u> ransmit Buffer: Low (1)	, ,			—ò	High (16)	(16)	
	COM Port Number: COM4	V	>					ļ

6. When the following [Communication Port Properties] dialog box appears, click [Yes].

Communications Port Properties.					
(j)	This COM name is being used by another device (such as another com port or modem). Using duplicate names can lead to inaccessible devices and changed settings. Do you want to continue?				
	Yes No				

6 Uninstalling the Driver

Unplug the USB Data Transfer Cable from your PC's USB port. Double-click the CD-ROM's "DRemover_2k.exe" file to start the uninstallation process.

7 Troubleshooting

The following table describes errors that may occur when using the USB Data Transfer Cable, and their possible solutions.

Problem/Symptom	Solution				
The USB Data Transfer Cable is not recognized.	Connect the USB Data Transfer cable correctly,				
Overcurrent occurred.	USB hub ha sure to connect it directly to your				
The Plug and Play is not functioning correctly.	PC's USB port.				
I am unable to use the USB Data Transfer Cable after I connect it to a USB hub.	The power supplied from the hub may be				
	insufficient. Be sure the hub is self-powered.				
	Connect the USB Data Transfer Cable directly				
	to the PC's USB port.				
	Confirm that the USB Data Transfer Cable				
	confirms to USB Specification Rev. 1.1 or later				
	The driver has not been installed correctly.				
After installation, a "?" is	Uninstall the driver and then re-install it.				
displayed when I try to confirm the	For driver uninstallation procedures,				
cable's status via the	✓ Reference				
Device Manager.	For driver installation procedures,				
	▼Reference▲ "3 Installation Procedure"				

Although this USB Data Transfer Cable has been thoroughly tested, occasionally data transfer may not be possible due to USB-related device incompatibility or your PC's system design.

Memo