

PARTNER-CTR Writer Setup Manual

Read this document before connecting a Gang Writer for CTR ("PARTNER-CTR Writer") to your computer.

This manual describes how to connect the PARTNER-CTR Writer to the computer, install device drivers for each OS, and set up the system.

Interfaces Described in This Manual

USB Interface

Operating Systems Described in This Manual

Windows XP

Windows Vista

Windows 7

- Please note that the content and specifications of this product may be modified without prior notice.
- Although every consideration has been taken in the production of this product, Kyoto Microcomputer Co., Ltd. cannot be held responsible for any consequences of the use of this product.

Kyoto Microcomputer Co., Ltd.

Cautions

Precautions and notices against hazards are presented with the following symbols.



Indicates a general notice or warning that cannot be specifically identified.



Indicates that improper use may cause an electric shock.



Indicates that improper use may cause fumes or fire.

Follow the instructions in this manual for your safety to use the product.



Do not use the product if any smoke, odor, or noise is present.

If smoke, odor, or noise is present, immediately turn off the BT. POWER switch and disconnect the power plug from the outlet. Using the product in such conditions may cause a fire or an electric shock.



Do not disassemble, repair, or alter the product.

Except changing batteries, do not disassemble, repair, or alter the product. Doing so may cause not only a malfunction, but also an electric shock, burn, or personal injury.



Keep water or foreign matter away from product.

Do not let any form of liquid (coffee, etc.) or foreign matter (e.g., pins or paperclips) enter the product. Doing so may cause an electric shock or a fire.



Do not touch the product and power plug with a wet hand.

Do not touch the product and power plug while your hands are wet. Doing so may cause an electric shock.



Use the provided AC Adapter and power cord only.

Use the provided AC Adapter and power cord. If not, a fire or an electric shock may happen.



Do not place the product in a dusty and/or humid place.

Do not place the product in a dusty and/or humid place. Doing so may cause a malfunction or a fire.



Do not stretch the cord harness.

Do not pull the power cord forcibly. Doing so may cause an electric shock or a fire.



Do not put heavy objects on the product, or apply pressure to the product.

Do not put heavy objects on the product, or apply pressure to the product. Doing so may cause a malfunction or a fire.



Do not drop the product or apply vibration or shock.

Do not drop the product from higher place, or apply vibration or shock. Doing so may cause a malfunction.



Avoid rapid change of temperature and humidity.

Avoid rapid change of temperature and humidity. If not, malfunction may happen.

Regulatory Statement

--- U.S.A & Canada ---

- CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

--- CE ---

- We declare, under our solo responsibility, that the products identified in this declaration are in conformity with the requirements of Council Directive:

2004/108/EC on the harmonization of the laws of Member States relating to EMC Directive.

2006/95/EC on the harmonization of the laws of the Member States relating to Low Voltage Directive

2002/96/EC on the approximation of the laws of the Member States relating to Waste Electrical and Electronic Equipment Directive.

2002/95/EC on the approximation of the laws of the Member States relating to the restriction of the use of certain hazardous substances in electrical and electronic equipment

Safety : EN60950-1:2006/A11:2009

EMC : EN 55022:2006+A1:2007

EN 61000-3-2:2006

EN 61000-3-3:1995+A1:2001+A2:2005

EN 55024:1998+A1:2001+A2:2003

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Kyoto Microcomputer Co., Ltd. (KMC)

- About destruction in EU within the region.:

The use of the WEEE symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help protect the environment. For more detailed information about the recycling of this product, please contact your local authority, your household waste disposal service provider or the shop where you purchased the product.



--- **Australia** ---



ACN 060 566 083

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1 Introduction

1.1 Setup Procedure

This section describes the overview of the PARTNER-CTR Writer setup procedure for first-time users. Follow the procedure below to set it up.

1. Setting up PARTNER software

For information on setting up the PARTNER-CTR Writer, refer to "2 Installing the PARTNER-CTR Writer" (page 8) in this manual.

2. Connecting the PARTNER-CTR Writer main unit to the computer via USB

Connect the PARTNER-CTR Writer to the host PC via USB. For information on how to connect it and how to install the drivers, refer to "3.1 Connecting the PARTNER-CTR Writer to a Computer" (page 13) and "3.2 Installing the PARTNER-CTR Writer USB Driver" (page 14) in this manual.

1.2 Accessories

The following accessories are supplied with the PARTNER-CTR Writer. First, make sure you have all of these accessories.

1. PARTNER-CTR Writer main unit	1
2. Power adapter for the PARTNER-CTR Writer	1
3. USB cable	1
4. PARTNER-CTR Writer Setup Manual	1

Note: The PARTNER-CTR Writer software is **NOT** bundled with the hardware. You will have to download the installer from the **DEVELOPER TOOL DOWNLOAD SITE**.

2 Installing the PARTNER-CTR Writer

2.1 How to Install the PARTNER-CTR Writer

Start up Windows XP/ Vista/ Windows 7 and install the PARTNER-CTR Writer software.

2.1.1 Downloading the Setup Program

The PARTNER-CTR Writer software is **NOT** bundled with the hardware. You will have to download the setup program from the **DEVELOPER TOOL DOWNLOAD SITE**.

2.1.2 Starting the Setup Program

To install the PARTNER-CTR Writer, run the setup program (PARTNER-CTR-WRITER_vxxx.EXE, where "xxx" indicates the version or date) that is included on the CD-ROM disc. Refer to "Figure 1 Screen Displayed During Installation." Perform the installation following the instructions given by the setup program. Once the installation process is complete, a shortcut for the PARTNER-CTR Writer is created on the Start menu.

[Note] Be sure to store the PARTNER-CTR Writer installer you used somewhere safe after the installation has completed.

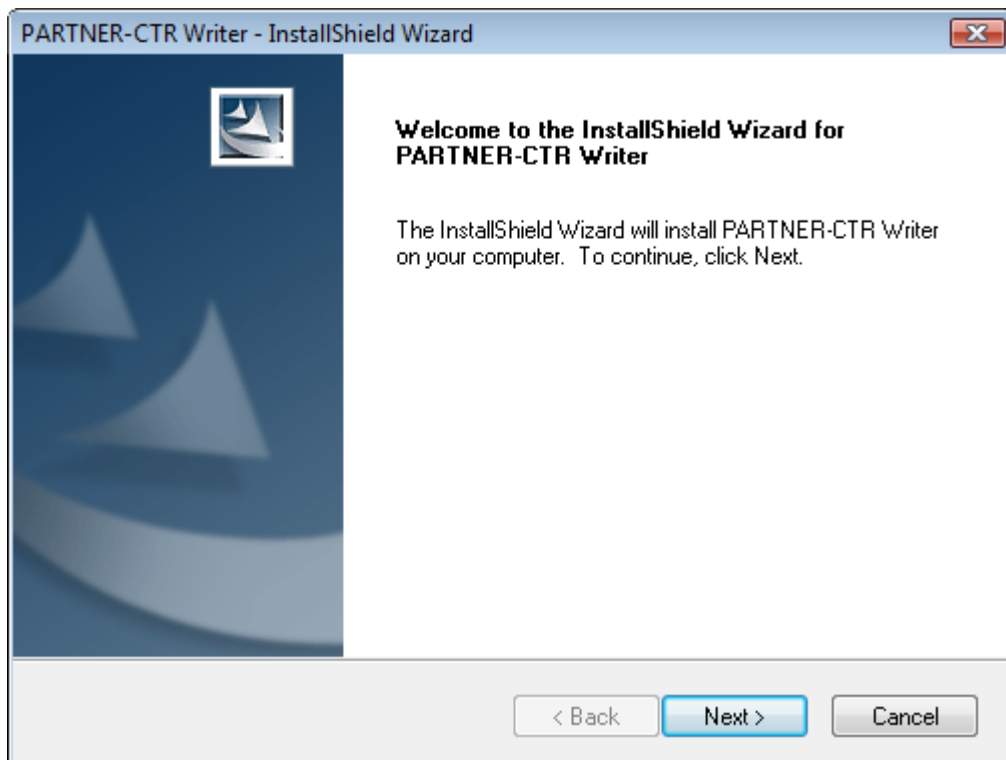


Figure 1 Screen Displayed During Installation

If the user performing the setup procedure does not have administrator rights, a message shown in "Figure 2 Message Displayed During Setup" may appear and the USB drivers may not be installed. To install the USB driver in such a case, refer to "5 Manual USB Driver" (page 20) to complete the installation.

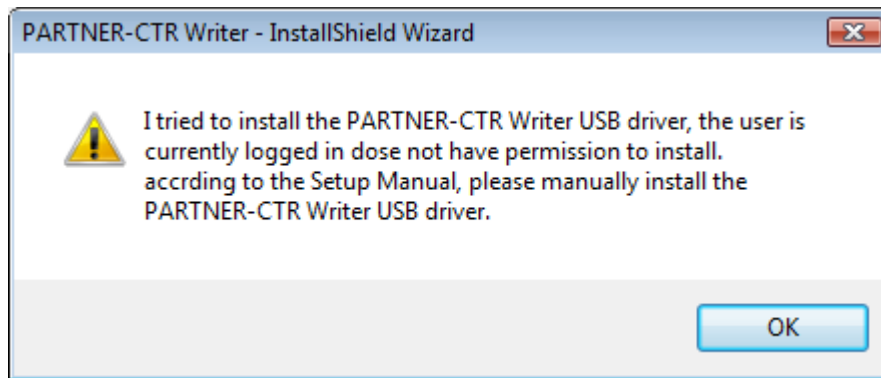


Figure 2 Message Displayed During Setup

2.2 How to Uninstall the PARTMER-CTR Writer

Double-click the **Add or Remove Programs** icon in the Control Panel, select "PARTNER-CTR Writer" from the list, then click **Yes**.

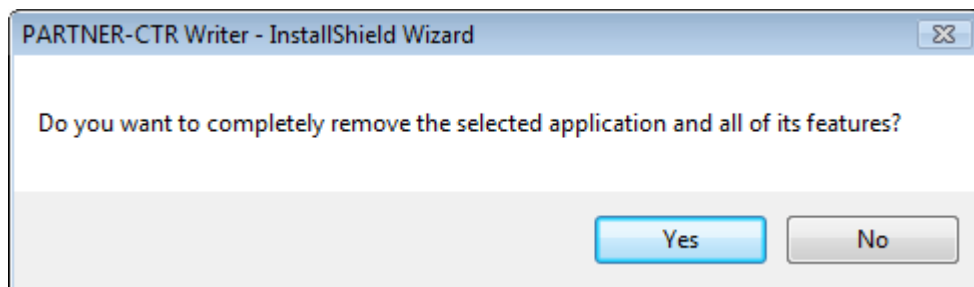


Figure 3 Screen Displayed During Uninstallation

3 Connecting the PARTNER-CTR Writer

The rear panel contains a USB port for connecting the hardware to a host interface as well as a DC jack for connecting the hardware to an external power source.



Figure 4 Rear Panel

USB Port

The USB port is used to connect the hardware to a host computer. This product is compliant with the specifications for USB 1.1 and 2.0. To ensure the maximum performance of the product, we strongly recommend connecting the hardware to a host USB port that supports USB 2.0. Use the supplied USB cable (1.5m) or a third-party USB 2.0-compatible cable for the connection.

External Power Jack (DC IN)

This jack is used to supply external power to the PARTNER-CTR Writer main unit. Connect the power cable (DC 12V) supplied with the product to this jack.

POWER Switch (POWER)

The power switch is a rocker switch. Pushing the switch toward the “I” side powers the unit on, and pushing it toward the “O” side powers the unit off.

RESET Switch (RESET)

The reset switch is used to reset and initialize this product. Reboot the writer software by pressing this button when abnormal behavior is detected. Do not reset or power off the unit while the writer software is running.

DIP Switches

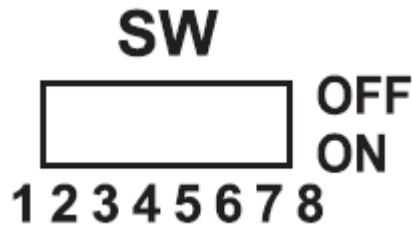


Figure 5 DIP Switches

Flip these switches using tweezers, a ballpoint pen or any other similar object. These switches are currently not used.

SW1 – 8 Reserved. Keep these set to the OFF position.

Ground terminal

This is a grounding terminal.

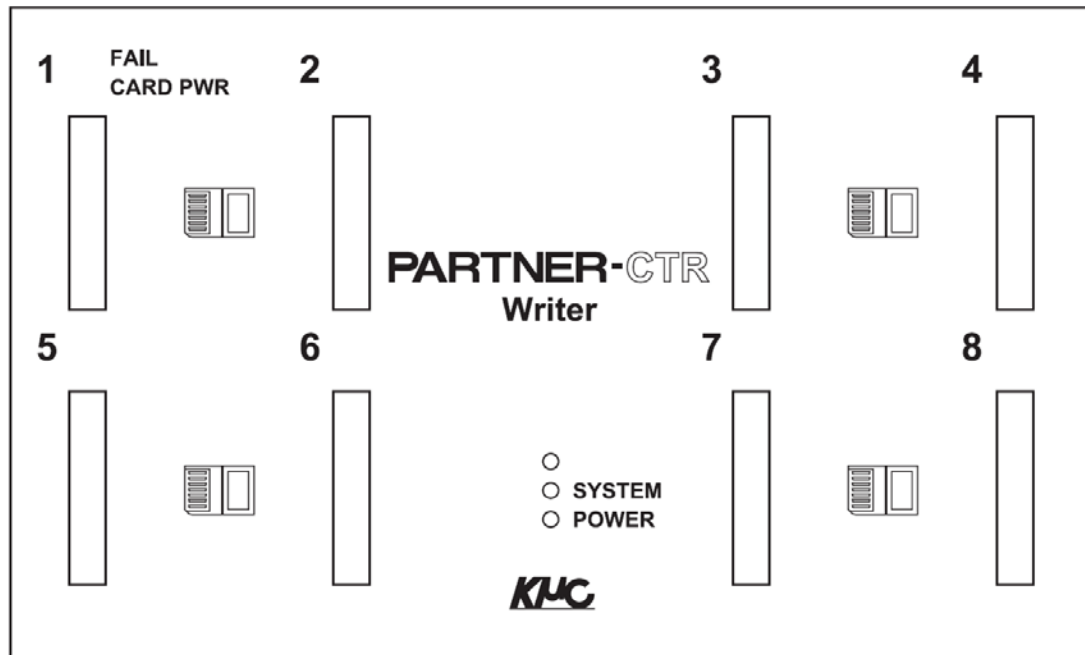


Figure 6 Upper Panel

POWER LED

Lights up when the PARTNER-CTR Writer is powered on.

SYSTEM LED

Lights up during access to the host computer.

CARD PWR LED

Lights up when “CTR FLASH CARD” is powered on. Never insert or remove “CTR FLASH CARD” while this lamp is on.

FAIL LED

Indicates that an error occurred on “CTR FLASH CARD” for which this LED is illuminated.

3.1 Connecting the PARTNER-CTR Writer to a Computer

- (1) Connect one end of the supplied USB cable to the USB port on your computer, and connect the other end to the USB connector on the PARTNER-CTR Writer.

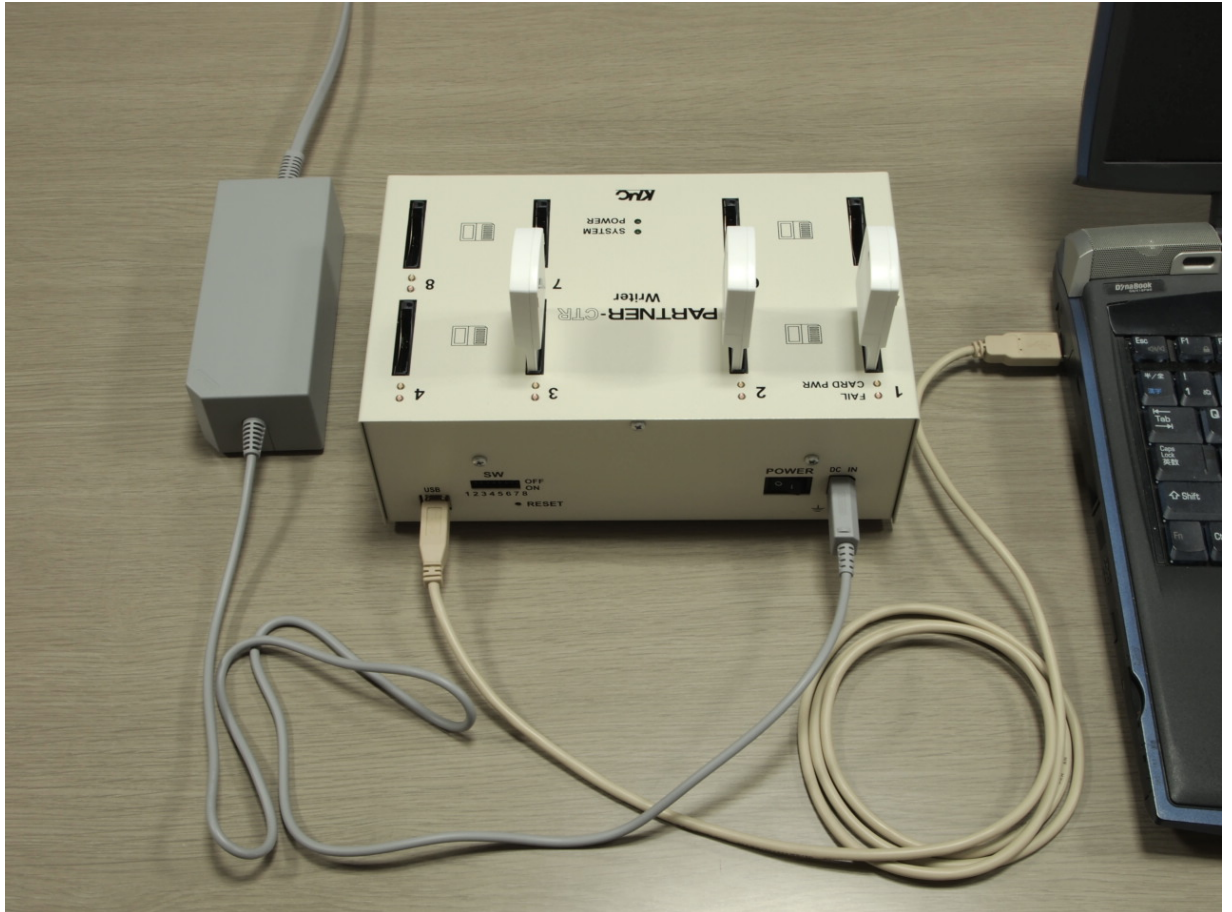


Figure 7 Connecting the PARTNER-CTR Writer

- (2) Connect the supplied power adapter to the PARTNER-CTR Writer external power jack (DC IN).
- (3) If this is the first time the hardware has been powered on while connected to the computer via USB, the USB drivers will be installed.

3.2 Installing the PARTNER-CTR Writer USB Driver

The PARTNER-CTR Writer USB driver is automatically installed when the debugger setup procedure is performed using an administrator account. If the setup procedure is performed using a non-administrator account, refer to "5 Manual USB Driver Installation" (page 20) to install the driver.

[Installation under Windows Vista and Windows 7]

The USB driver is automatically installed.

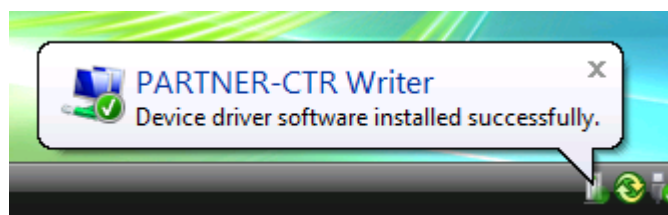


Figure 8 Installing the USB Driver

[Installation under Windows XP]

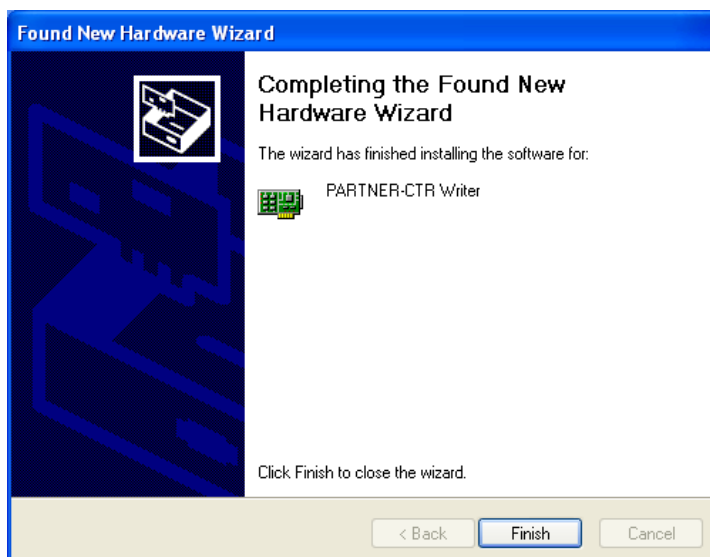
Follow the procedure below to install the USB driver under Windows XP.



Select **No, not this time** and click the **Next** button.



Select **Install the software automatically** and click the **Next** button.



The USB driver installation is complete. Click the **Finish** button.

4 Starting the PARTNER-CTR Writer

4.1 Starting the PARTNER-CTR Writer Using the Shortcut

If a single PARTNER-CTR Writer device is connected to your computer, you can start the PARTNER-CTR Writer software by using a shortcut. If multiple PARTNER-CTR Writer devices are connected to a single host PC, the first detected PARTNER-CTR Writer will be automatically connected to the host PC and the serial number of the Writer will be displayed on the title bar.

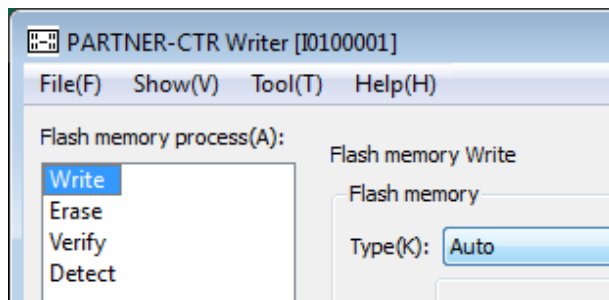


Figure 9 Serial Number of the Writer connected to the host PC

Starting the PARTNER-CTR Writer

Select **PARTNER-CTR Writer** from the **Start** menu to launch the software.

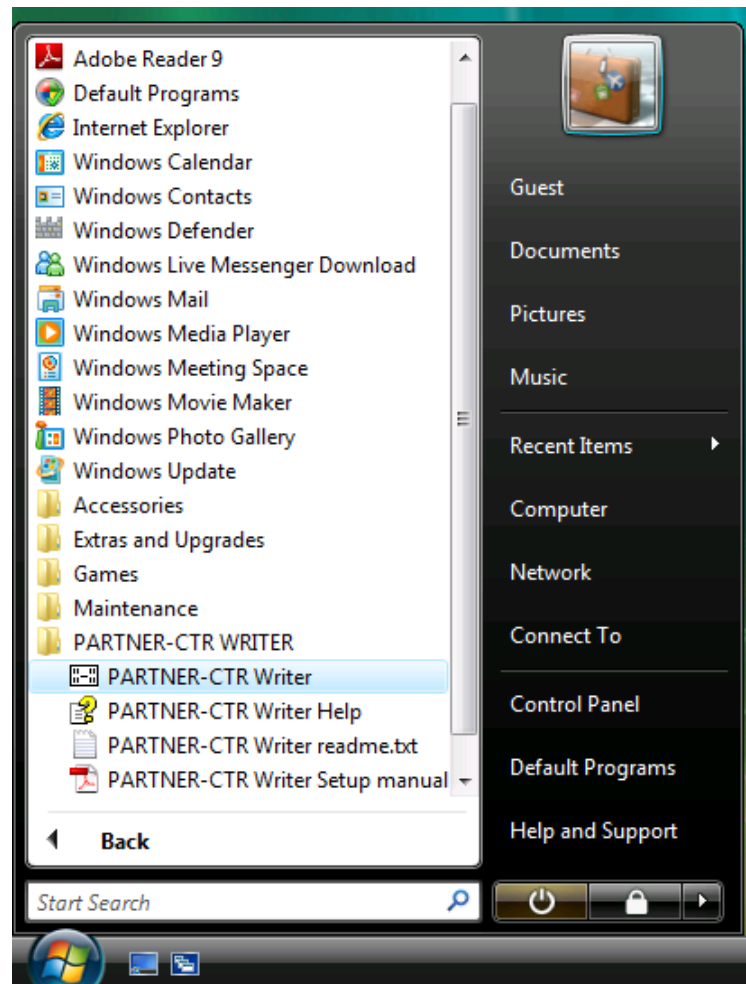


Figure 10 Shortcut Location

4.1.1 PARTNER-CTR Writer Startup Screen

Once the PARTNER-CTR Writer software starts up, the following window is displayed.

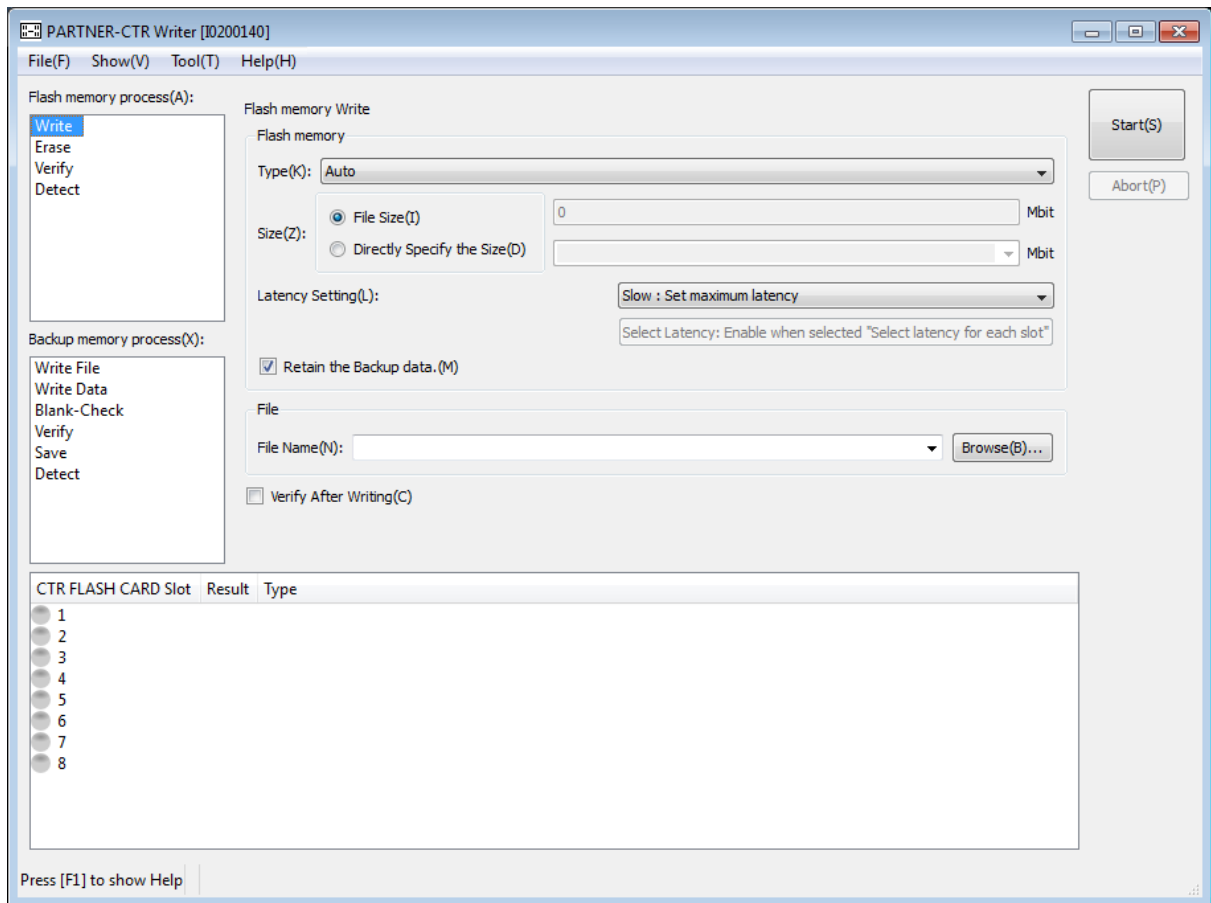


Figure 11 PARTNER-CTR Writer Startup Screen

4.1.2 When the PARTNER-CTR Writer Does Not Start Up

If the PARTNER failed to start up, one of the following messages appears. Take an appropriate measure according to the message displayed. If no message is displayed and the PARTNER does not start up, power off the PARTNER-CTR Writer main unit, then power on the PARTNER-CTR Writer again to see if it starts up successfully.

Cannot find PARTNER-CTR Writer on USB Bus. If exists, please press its reset switch.

This message is displayed if PARTNER-CTR Writer could not be found on the PC's USB bus. Make sure that PARTNER-CTR Writer is connected via USB, and that PARTNER-CTR Writer is powered on. Try restarting the writing software after either power cycling or pressing the reset button on the PARTNER-CTR Writer main unit.

Not found hardware config-file (CTR_WR.HWF).

This message is displayed when the hardware definition file (JET_CTR_WR.HWF) could not be found in the same directory as the PTCTRWR.EXE executable file that was run.

Try reinstalling the PARTNER-CTR Writer software.

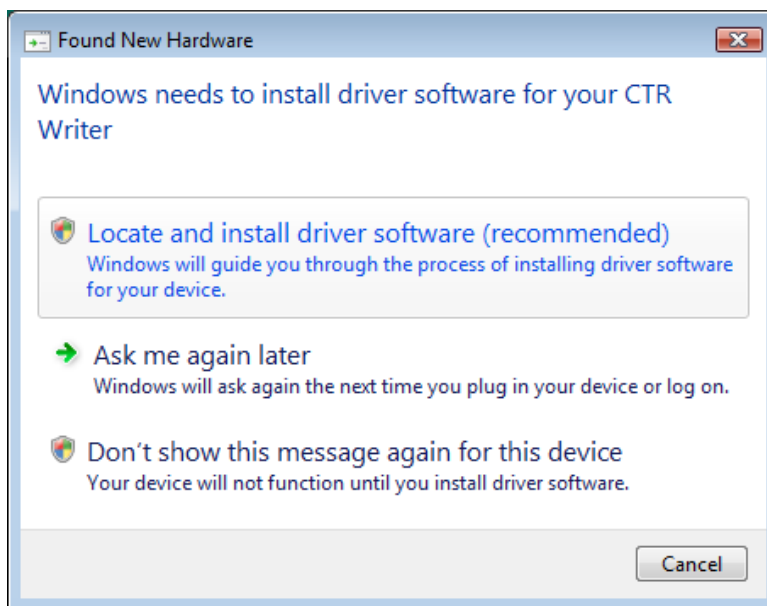
Hardware configuration error.

If this message is displayed, the hardware definition file (JET_CTR_WR.HWF) may be corrupted. If this occurs, try reinstalling the PARTNER-CTR Writer software. If this message is displayed repeatedly, there might be a problem with your PARTNER-CTR Writer main unit or the power supply.

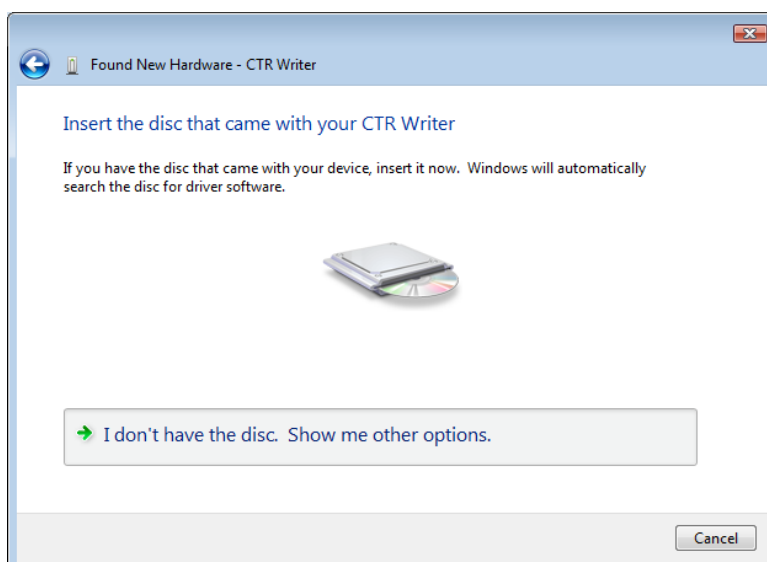
5 Manual USB Driver Installation

If the USB driver was not automatically installed, follow the procedure below to manually install the USB driver for the PARTNER-CTR Writer. To start the installation, connect the PARTNER-CTR Writer to the PC with the USB cable using "3 Connecting the PARTNER-CTR Writer" (page 10) for reference, then power on the hardware.

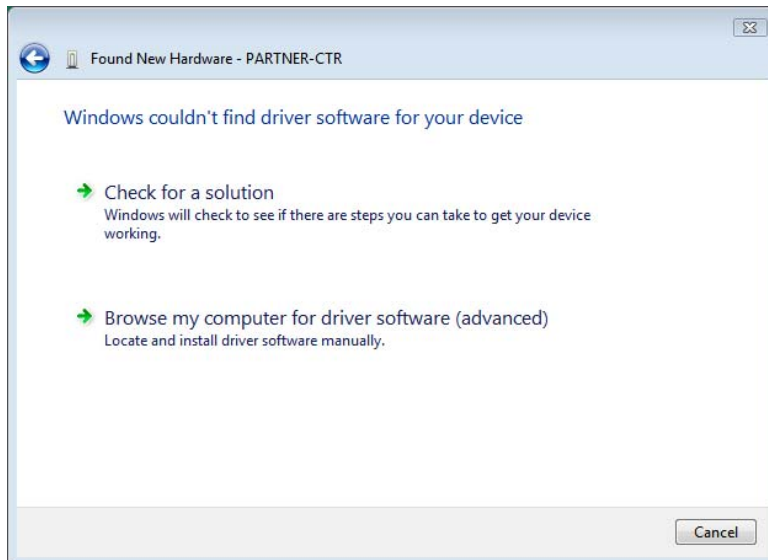
5.1 Installation Procedure for Windows Vista



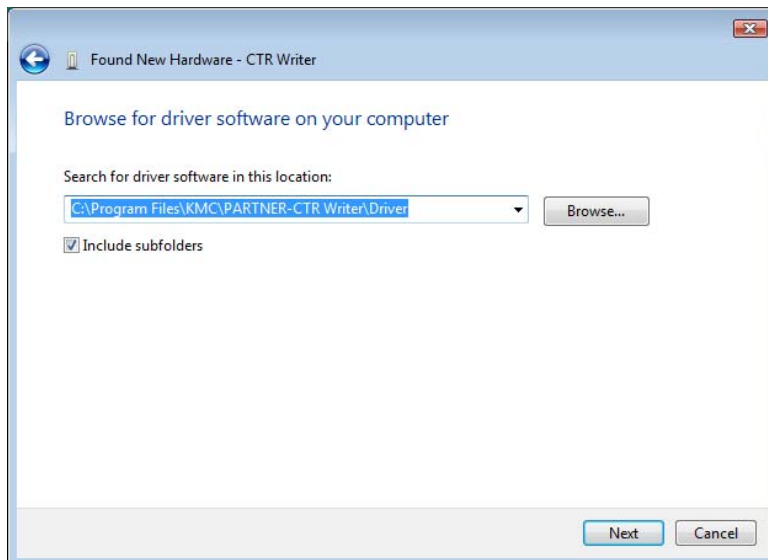
Once PARTNER-CTR Writer is detected by the OS, the dialog box shown on the left is displayed. To proceed, click **Locate and install driver software**.



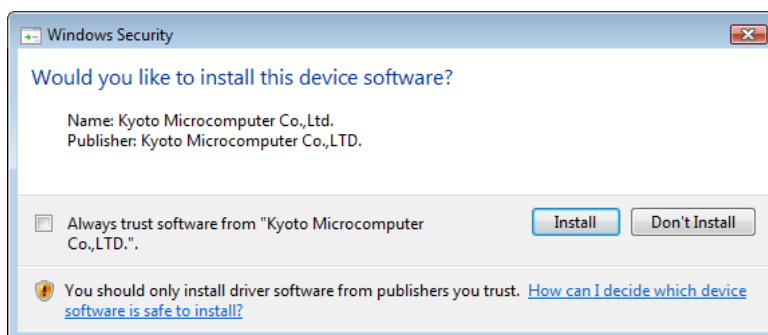
Select **I don't have the disc. Show me other options.**



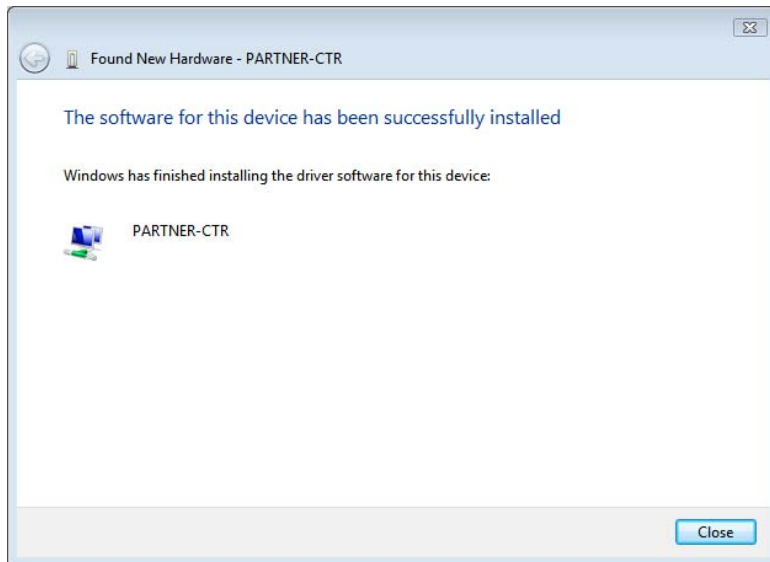
Click **Browse my computer for driver software**.



Specify the Driver folder¹ that is located in the installation folder created in "2 Installing the PARTNER-CTR Writer", then click **Next** to continue.



Click the **Install** button.



If the USB driver was installed successfully, you will see the dialog box shown on the left. Click the **Close** button.

¹ The default installation folder where PARTNER-CTR Writer is installed depends on the type of user account used during installation.

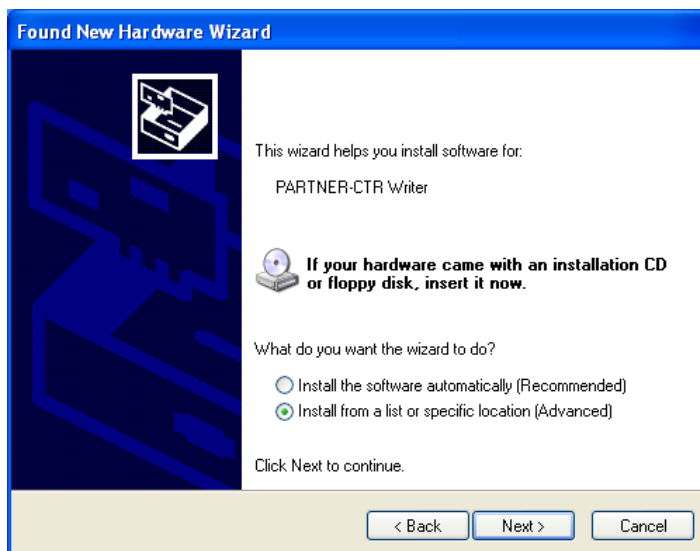
[Administrator Account] C:\Program Files\KMC\PARTNER-CTR WRITER

[Normal User Account] C:\Users*User Name*\AppData\Roaming\KMC\PARTNER-CTR WRITER

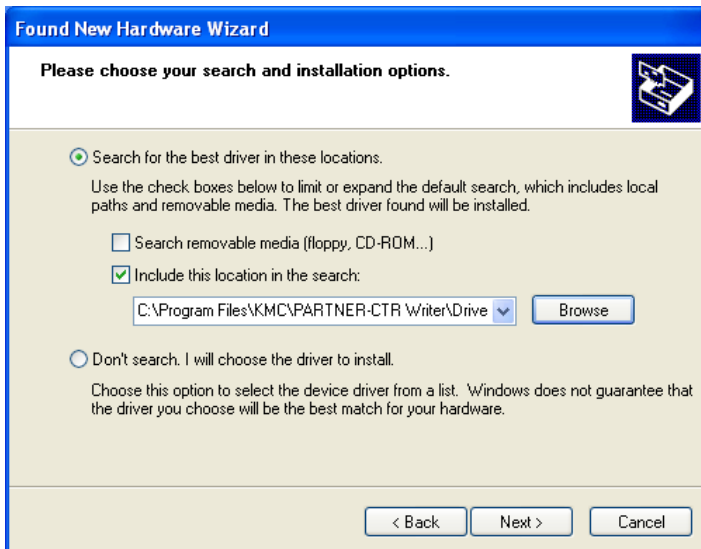
5.2 Installation Procedure for Windows XP



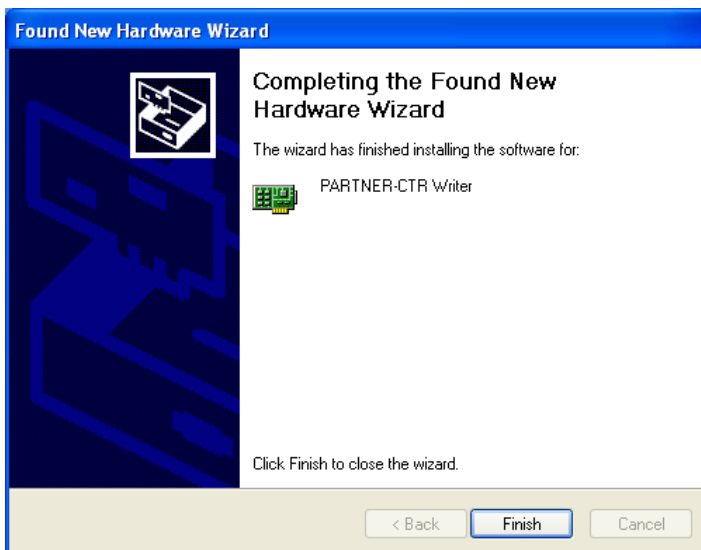
Select **No, not this time** and click the **Next** to continue.



Select **Install from a list or specific location** and then click **Next** to continue.



Select **Search for the best driver in these locations**, then choose the **Include this location in the search** option. Specify the driver folder² within your PARTNER-CTR Writer installation directory, then click **Next** to continue.



If the USB driver was installed successfully, you will see the dialog box shown on the left. Click the **Finish** button.

² The default installation folder where PARTNER-CTR Writer is installed depends on the type of user account used during installation.

[Administrator Account] C:\Program Files\KMC\PARTNER-CTR WRITER

[Restricted Account] C:\Documents and Settings\User Name\Application Data\KMC\PARTNER-CTR WRITER

6 Specification

6.1 Product Specification

Product name	PARTNER-CTR Writer
Host interface	USB 2.0
Power source	DC12V (included)
Dimensions	Width 223.0mm x Depth 134.4mm x Height 79.8mm
Weight(Controller)	1380g
Usage environment	Temperature 5 – 35 degrees C, Humidity 85% RH or below (no condensation)
Applicable standard	FCC PART15 SUBPART B CLASS A ICES-003 CLASS A EN55022/EN55024 EN61000-3-2/EN61000-3-3 AS/NZS CISPR22 CLASS A EN60950-1

Table 1 PARTNER-CTR Writer specification

PARTNER-CTR Writer Setup Manual

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Kyoto Microcomputer Co., Ltd.