

MISUMI SUPPORT SOFTWARE

RS-Manager

User's Manual

C1 / C21 / C22 / P1

Before getting started	1
Safety Precautions (Always read before starting use)	2
RS-Manager Setup	3
1. About RS-Manager	5
2. Installing and uninstalling RS-Manager	6
3. Starting and exiting RS-Manager	7
4. RS-Manager main window	8
5. Online robot operation	9
5.1 Connecting to a controller	10
5.2 Returning the robot to origin position	13
5.3 Moving the robot in inching or jog mode	15
5.3.1 C1,C21/C22	15
5.3.2 P1	16
5.4 Moving the robot to a specified point (point trace)	17
6. Data transfer	18
6.1 Transferring data from controller to PC	18
6.2 Transferring data from PC to controller	21
7. Data editing	24
7.1 Creating new data	25
7.1.1 C1,C21/C22	25
7.1.2 P1	27
7.2 Editing point data (C1,C21/C22)	31
7.3 Editing parameters	33

USB Cable Driver Setup	1
1. USB cable specifications and part names	3
1.1 EXRS-USB1 (KCA-M538F) USB Serial Port	3
2. Driver software setup	5
2.1 USB cable applicable support software	5
2.2 Windows 2000	6
2.3 Windows XP	13
2.4 Windows Vista	19
2.5 Windows 7	24
2.6 Windows 8 / Windows 8.1	30
2.7 Windows 10	41
2.8 Windows 11	48
3. Uninstalling the driver software	54
3.1 Windows 2000/XP	54
3.2 Windows Vista	56
3.3 Windows 7	59
3.4 Windows 8/Windows 8.1	61
3.5 Windows 10	64
3.6 Windows 11	67

Before getting started

About this manual

This manual describes how to install RS-Manager support software for MISUMI C1/C21/C22/P1 controllers as well as major functions you can run with RS-Manager support software (simply called "RS-Manager" or "this software" from now on). Before installing RS-Manager be sure to read this manual and follow the instructions. For detailed information on how to use RS-Manager and its functions, refer to help in the RS-Manager software.

Software license agreement

This software may be used only when you agree to the terms stipulated below. By using this software or installing it in a personal computer (PC), you are consenting to the terms stipulated below. Please read the following terms carefully.

1. **This software, help, and this manual may not be copied in part or whole without permission from our company. However, you may make a copy of this software only for use as a backup.**
2. **Reverse engineering, decompiling, altering or modifying this software is prohibited.**
3. **Transfer, rental or leasing of this software to a third party, whether for profit or not, is prohibited without permission from our company.**
4. **Please note that we accept no responsibility for any results that might occur from use of this software, help or this manual.**
5. **Every effort was made to ensure that this software is free of defects and that the contents of help and this manual are accurate. However, we cannot guarantee that there are absolutely no errors or mistakes.**
6. **The specifications of this software and the contents of help and this manual are subject to change without prior notice.**

CAUTION

- The setup disc is not an audio CD. Never play it in an audio CD player. The loud volume might seriously damage your hearing and/or the audio equipment. Furthermore, note that MISUMI shall not be held responsible for any defects resulting from use of this setup disc.
- For information on how to operate the robot controller, driver, and robot including precautions, refer to the user's manuals supplied with the robot controller, driver, and robot, and then follow the instructions stated in those manuals.

RS-Manager package contents

- Setup disc (CD-ROM) ... 1
The setup disc contains the "RS-Manager installation data", and "USB cable driver".

System requirements

The following hardware and software are required to install and use RS-Manager.

Operating environment	Operating system (OS)	Microsoft Windows 2000/XP/Vista (32bit/64bit)/7 (32bit/64bit)/8 (32bit/64bit)/8.1 (32bit/64bit)/10 (32bit/64bit)*/11*
	CPU	Processor that meets or exceeds the suggested requirements for the OS being used.
	RAM memory	Suggested amount of memory or more for the OS being used.
	Available hard disk space	20MB of available space required on installation drive.
	Communication port	Serial communication port or USB port
	Display	Screen resolution of 1024 x 768 (pixels) or more, 256 or more colors
	Others	CD-ROM drive, dedicated commutation cable (D-Sub or USB cable)
Applicable controller or driver		C1/C21/C22/P1 controller
Applicable robot		MISUMI robot that connects to C1/C21/C22/P1 controller

* For Windows 10, Windows 11, RS-Manager version should be 1.4.5 or later.



NOTE

- Microsoft, Windows, Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 Windows 10 and Windows 11 are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Other company names and product names listed in this manual may be the trademarks or registered trademarks of their respective companies.

Safety Precautions (Always read before starting use)

Before using this product, be sure to read this manual carefully as well as the robot controller user's manual and programming manual. Take sufficient precautions to ensure safety and handle the product correctly.

The cautions given in this manual are related to this product. Refer to the robot controller user's manual for details on the cautions to be taken with the robot controller system using this product.

The safety precautions are ranked as "WARNING" and "CAUTION" in this manual.



WARNING

This indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION

This indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury, or damage to the equipment.

Note that some items described as "CAUTION" may lead to serious results depending on the situation. In any case, important information that must be observed is explained.

Store this manual where it can be easily referred to, and make sure that it is delivered to the end user.

Refer to the manual by any of the following methods when installing, operating or adjusting the robot and controller.

1. Install, operate or adjust the robot and controller while viewing the manual on your computer screen.
2. Install, operate or adjust the robot and controller while referring to a printout of the necessary pages from the manual.
3. Install, operate or adjust the robot and controller while referring to the printed version of the manual (available for an additional fee).

RS-Manager Setup

Contents

1. About RS-Manager	5
2. Installing and uninstalling RS-Manager	6
3. Starting and exiting RS-Manager	7
4. RS-Manager main window	8
5. Online robot operation	9
5.1 Connecting to a controller	10
5.2 Returning the robot to origin position	13
5.3 Moving the robot in inching or jog mode	15
5.3.1 C1,C21/C22	15
5.3.2 P1	16
5.4 Moving the robot to a specified point (point trace)	17
6. Data transfer	18
6.1 Transferring data from controller to PC	18
6.2 Transferring data from PC to controller	21
7. Data editing	24
7.1 Creating new data	25
7.1.1 C1,C21/C22	25
7.1.2 P1	27
7.2 Editing point data (C1,C21/C22)	31
7.3 Editing parameters	33

1. About RS-Manager

■ RS-Manager is...

RS-Manager is support software for MISUMI RS series robot controllers. RS-Manager allows you to perform various tasks efficiently from creating data to debugging it, as well as making data maintenance and management. RS-Manager also has the positioning operation simulator and the monitor function that graphically displays the controller internal information.

The following shows the functions of the RS-Manager.

- **Edit data (point data and parameter data) in spreadsheet format.**
- **Monitor various information (I/O status, speed, and internal information such as current)**
- **Use the trace function that acquires real-time data.**
- **Use the operation simulator that calculates the cycle time of multiple patterns at one time.**
- **Make a backup by data transfer.**

TIP

Refer to RS-Manager help to find detailed information on RS-Manager functions and operation.

■ Compatible robot controllers and robot drivers

RS-Manager supports the following MISUMI RS series robot controllers:

- **C1,C21/C22**

Additionally, RS-Manager also supports the following MISUMI RS series robot driver:

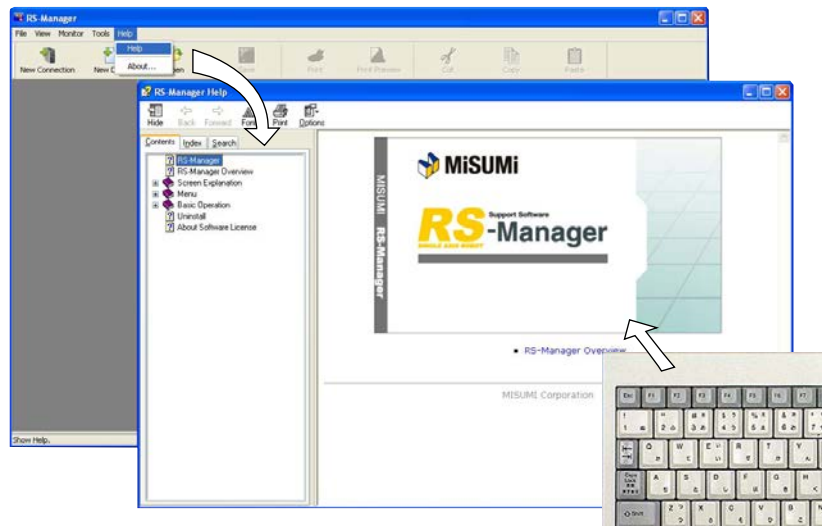
- **P1**

■ RS-Manager help

RS-Manager help appears on the screen by selecting "Help" from the "Help" menu or by pressing the [F1] key on the keyboard.

RS-Manager help gives you detailed information on how to use RS-Manager as well as functions for performing specific tasks. You can display the help screen at any time needed while RS-Manager is running.

"Help" menu and help screen



74001-WM-00

2. Installing and uninstalling RS-Manager

To use RS-Manager on your PC, you must install the RS-Manager application in your PC. If an older version of RS-Manager is already installed in your PC, then you must first of all uninstall it.

■ To install RS-Manager

The following steps describe how to install RS-Manager in a PC running on Windows XP.

Step 1 *Exit all the programs currently running on the PC.*

Step 2 *Insert the setup disc into the CD-ROM drive of the PC.*

Step 3 *The setup program starts automatically.*

If the setup program does not start automatically, use the following procedure to start it.

1. From the [Start] menu, select "My Computer".
2. Double-click the "CD-ROM" drive in which you inserted the setup disc.
3. Double-click "RSM". (The icon name might be "RSM.exe" depending on the Explorer setting.)

Step 4 *Install RS-Manager.*

Follow the instructions that appear on the screen to install RS-Manager.



CAUTION

You may need to restart the computer depending on the PC settings.

■ To uninstall RS-Manager

The following steps describe how to uninstall RS-Manager from the computer running on Windows XP.

Step 1 *Open the "Add or Remove Programs" window.*

From the [Start] menu, select "Control Panel" and then "Add or Remove Programs".

Step 2 *Select the program you want to delete.*

Double-click the "Change or Remove Programs" icon and select "RS-Manager" from the program list.

Step 3 *Uninstall RS-Manager.*

Follow the instructions that appear on the screen to uninstall RS-Manager.

3. Starting and exiting RS-Manager

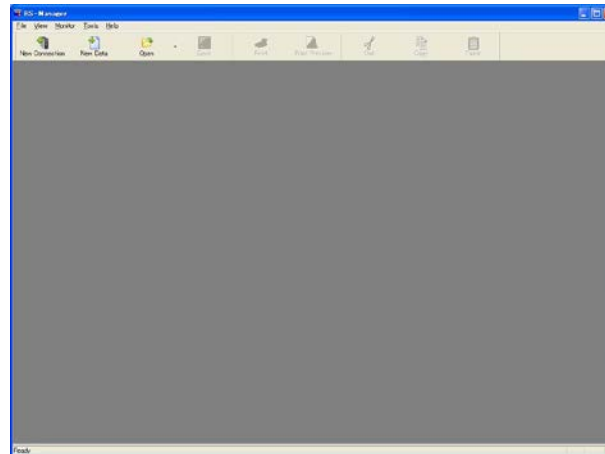
■ To start RS-Manager

Use either of the following two methods to start RS-Manager. The following describes how to start RS-Manager using Windows XP.

- Double-click the "RS-Manager" icon on the desktop.
- From the [Start] menu, select "All Programs" - "RS-Manager" - "RS-Manager".

The RS-Manager main window appears when RS-Manager has started.

RS-Manager main window



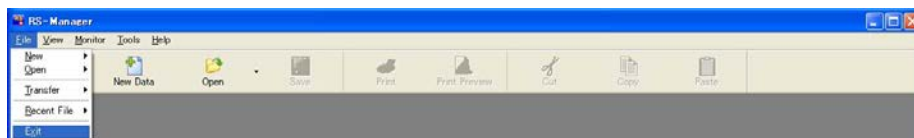
74002-WM-00

■ To exit RS-Manager

Use either of the following two methods to exit RS-Manager.

- From the [File] menu, select "Exit".
- Click the [x] (close) button on the top right of the RS-Manager main window.

Exiting RS-Manager



74003-WM-00

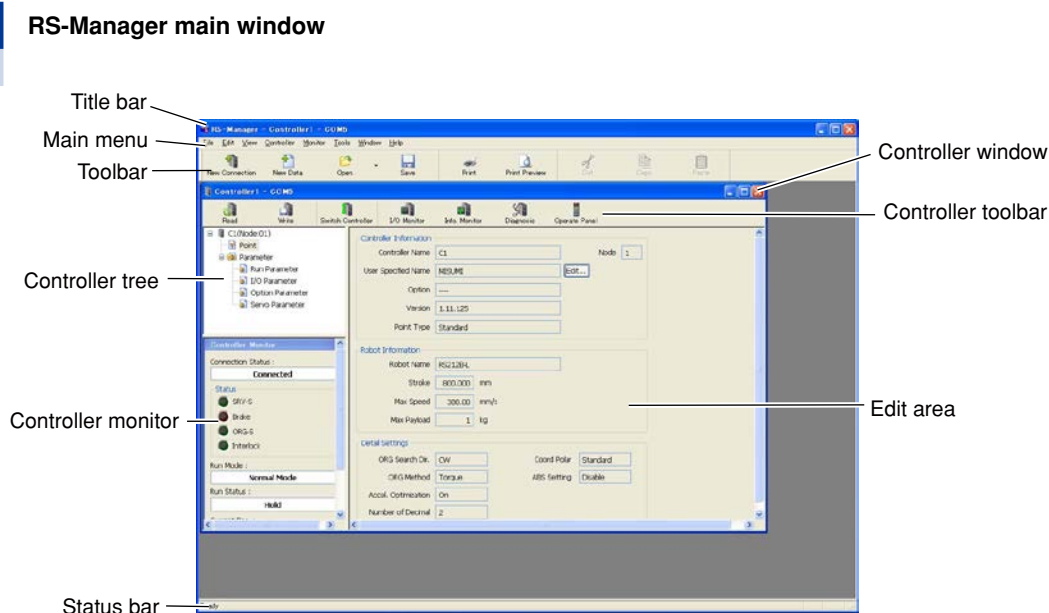


CAUTION

- If data currently being edited is not yet saved, a confirmation message appears asking whether to save it.
- If the robot is operating in trace mode, a confirmation message appears asking whether to stop or continue the operation.

4. RS-Manager main window

When RS-Manager has started, the RS-Manager main window appears as shown below.



74004-WM-00

TIP

- For instructions on how to connect to a controller, refer to section 5.1, "Connecting to a controller", or RS-Manager help.
- For details on each menu and items shown in the main window, refer to "Screen Explanation" – "Main Window" in RS-Manager help.

■ Description of RS-Manager main window

Title bar

The title bar displays the name of the currently selected controller window.

Main menu

The following menus are available in the RS-Manager main window.

- File
- Edit
- View
- Controller
- Monitor
- Tools
- Window
- Help

Toolbar

The toolbar contains short-cut buttons to run frequently used menu commands. The buttons that become active depend on the operation state.

Status bar

The status bar displays helpful instructions for users and also displays information about special keys.

Controller window

This window is used for displaying the controller data and for operating the robot.

Controller toolbar

The controller toolbar contains short-cut buttons to run frequently used "Controller" menu and "Monitor" menu commands. The buttons that become active depend on the controller connection state.

Controller tree

Displays the controller information in a tree structure with icons.

Controller monitor

Displays the controller status in real-time.

Edit area

This area is used for displaying and editing data.

5. Online robot operation

RS-Manager allows you to remotely control robots connected to the controller and monitor their operating status from the PC. The following sections describe how to connect controllers to RS-Manager as well as how to control the online robot operation.

Connecting to a controller

⇒ 5.1

Returning the robot to origin position

⇒ 5.2

Operating the robot in inching or jog mode

⇒ 5.3

Moving the robot to a specified point (point trace)

⇒ 5.4

73001-WM-00



WARNING

When operating a robot, make sure the robot movement range is clear and be prepared to press the emergency stop button if necessary.

5.1 Connecting to a controller

This section describes how to connect the computer to a robot controller so you can perform on-line control.

Step 1 Connect the PC to the robot controller.

Connect the PC to the robot controller using the dedicated USB cable while the controller is turned off.

For details about how to connect the USB cable and how to install the USB driver software, see "USB Cable Driver Setup" in the latter half of this manual.

Step 2 Start RS-Manager.

The RS-Manager main window appears.

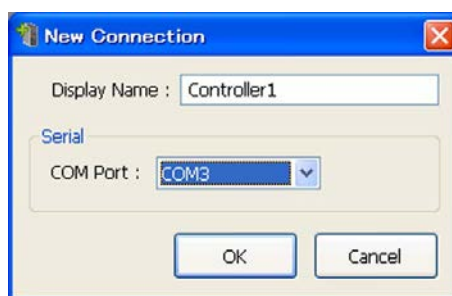
Step 3 From the "File" menu, select "New" – "Connection...".

The "New Connection" dialog box appears.

TIP

You can also click the  (New Connection) button on the toolbar.

"New Connection" dialog box



74005-WM-00

Step 4 Enter a name for the controller.

In the "Display Name" box, enter a name for the controller as you want it to appear in the Controller Tree.

TIP

The name specified here is not registered in the robot controller, but is used only for identifying the data on RS-Manager.

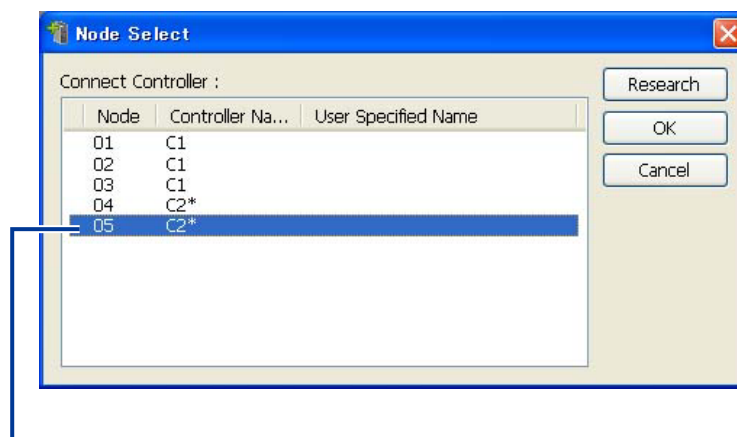
Step 5 Select the COM port.

The available COM ports are displayed in the drop-down list. Select the COM port to which the robot controller is connected.

Step 6 The "Node Select" window appears.

The controller nodes, controller model names, and user specified names currently being connected are displayed. Select a desired controller you want to display.

"Node Select" dialog box



Select the controller with node "05".

74006-WM-00

Step 7 Click the [OK] button.

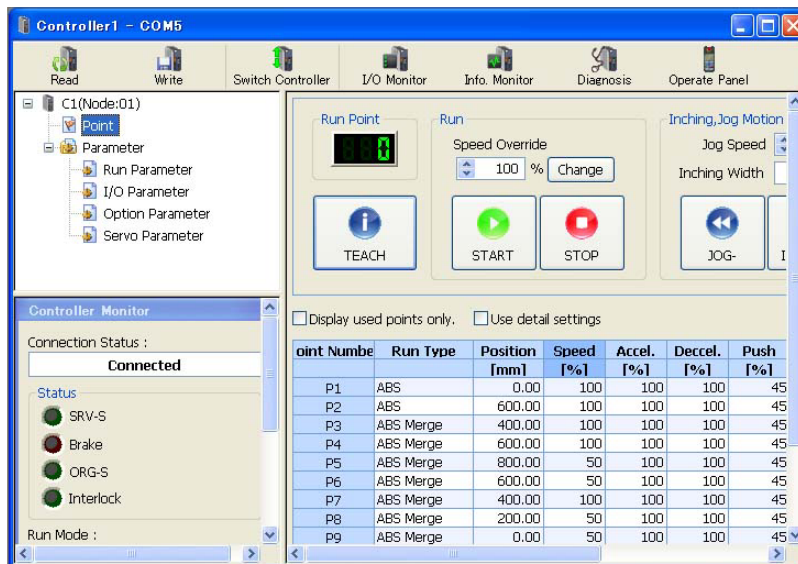
■ C1,C21/C22

The data (controller information, point data, and parameters) is automatically acquired.

When the connection is complete, the controller tree and controller monitor appear in the left portion of the controller window, and the point data list appears in the edit area.

When connected to controller

C1,C21/C22



74007-WM-00

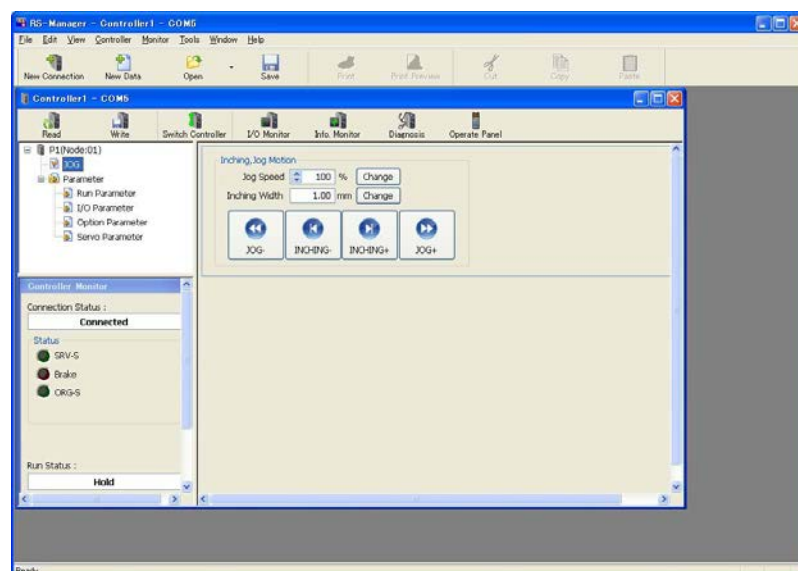
■ P1

The data (controller information and parameters) is automatically acquired.

When the connection is complete, the controller tree and controller monitor appear in the left portion of the controller window.

When connected to controller

P1



74008-WM-00

■ To disconnect the controller

From the "Controller" menu, select "Disconnect" to disconnect the communication between the PC and the controller. When disconnected, the "Disconnected" indication appears and each button for on-line operation becomes inactive. Each monitor also stops updating.



NOTE

- To reconnect the controller, select "Reconnect" from the "Controller" menu.
- The "Disconnect" command and "Reconnect" command alternately become active according to the controller connection status.

Controller monitor example

When controller is disconnected

The screenshot shows a software window titled "Controller Monitor". It contains several fields and a status box. The "Connection Status" field displays "Disconnected" in red text. Below it, a "Status" box lists "Servo", "Brake", "ORG-S", and "Interlock". The "Run Mode" and "Run Status" fields are empty. The "Current Pos." field shows a digital display with "0.01" and "mm" next to it. The "Alarm" field is also empty.

74009-WM-00

5.2 Returning the robot to origin position

Return to robot origin position should be completed in advance to move the robot by point trace or acquire and use the robot position during point data editing. This section describes how to perform return-to-origin (origin search).

Before operating the robot, make sure it is correctly connected to the controller.

Step 1 Make sure that the desired controller is connected to RS-Manager.

If the monitor shows "Disconnected", connect the controller by selecting "Reconnect" from the "Controller" menu.

Step 2 Display the "Operate Panel" by using either of the following methods.

- Select "Operate Panel" from the "Controller" menu.
- Click the  (Operate Panel) button on the Controller toolbar.

Operate Panel



74010-WM-00

Step 3 Click the [Origin Search] button.

A confirmation message appears asking whether to start return-to-origin. Ensure safety and then click the [OK] button. The robot will move to its origin position.

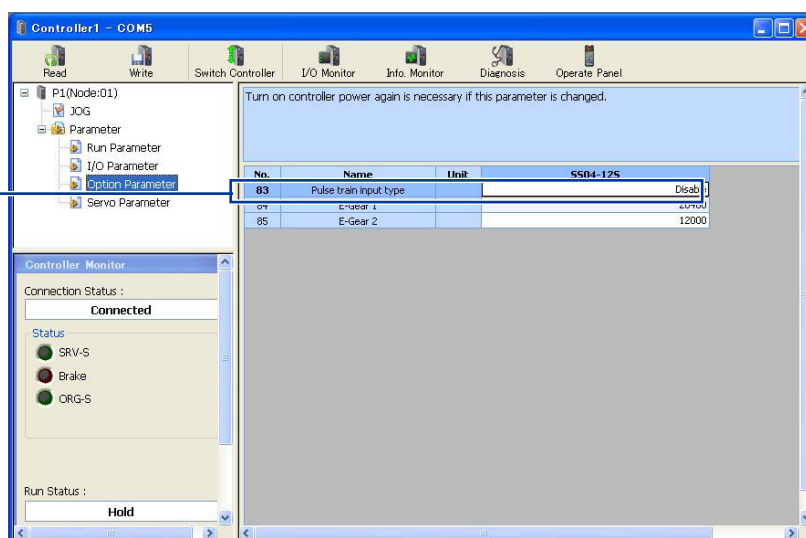
To perform the return-to-origin with the P1

To perform the return-to-origin with the P1, disable the option parameter K83 (pulse train input type). If this parameter is not disabled, the message, "NG.1=4A pulse train mode", appears.

"Pulse train input type" setting screen

P1

Disable this parameter.



74011-WM-00



NOTE

If you want to stop return-to-origin before it is complete, click the [Stop] button on the Operate Panel.

Step 4 A message appears stating that return-to-origin is complete.

When return-to-origin has ended successfully, the machine reference is displayed. Check the machine reference and then click the [OK] button.

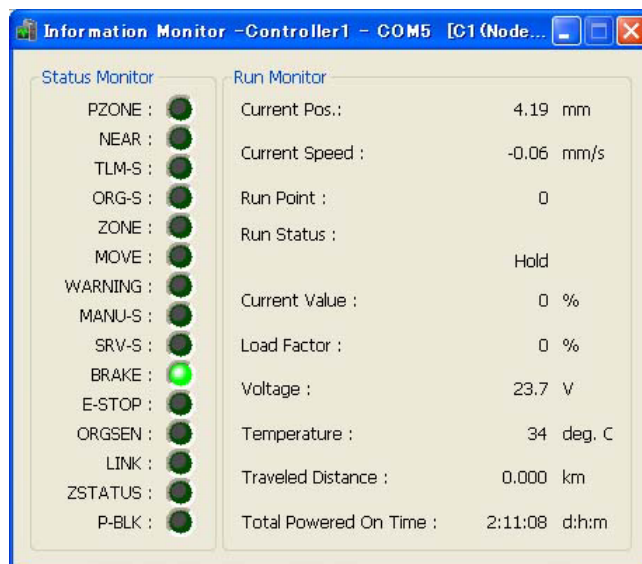
TIP

The "ORG-S" indicator on the "Information Monitor" shows whether return-to-origin is complete. Use either of the following methods to display the "Information Monitor".

- Select "Information Monitor" from the "Monitor" menu.
- Click the  (Info. Monitor) button on the Controller toolbar.

Information Monitor

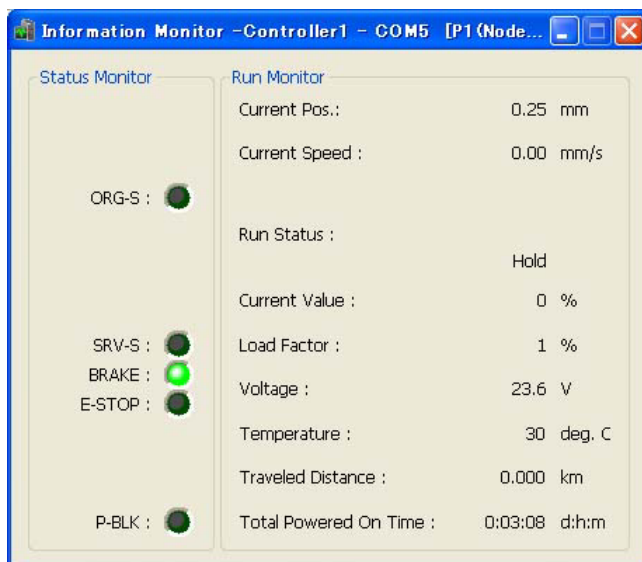
C1,C21/C22



74012-WM-00

Information Monitor

P1



74013-WM-00

5.3 Moving the robot in inching or jog mode

This section describes how to move the robot in inching or jog mode.

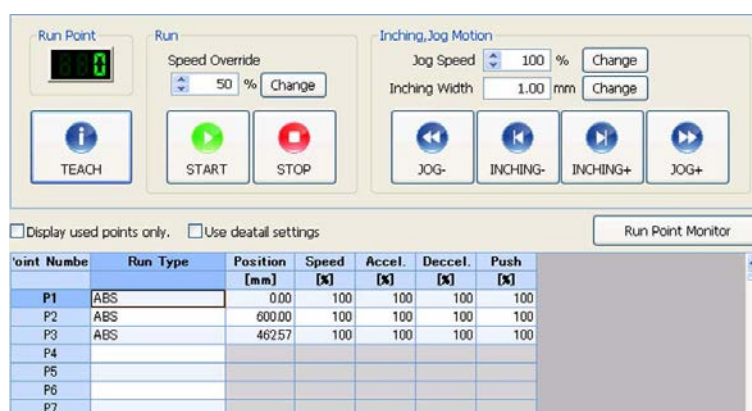
5.3.1 C1,C21/C22

Step 1 Make sure that the desired controller is connected to RS-Manager.

Step 2 Display the point data list in the edit area by using any of the following methods.

- In the Controller tree, double-click the "Point" icon .
- Right-click the "Point" icon  and select "Open Selected Item" from the pop-up menu.
- Select (highlight) the "Point" icon  and then select "Open Selected Item" from the "Controller" menu.

Point data list (online)



74014-WM-00

TIP

Refer to the RS-Manager help for detailed information on the point data list.

Step 3 Set the jog speed or inching width.

To move the robot in jog mode, enter the speed (%) in the "Jog Speed" box and click the [Change] button.

To move the robot in inching mode, enter the inching amount (mm) in the "Inching Width" box and click the [Change] button.

When the [Change] button is clicked, a confirmation message appears asking whether to change the jog speed or inching amount. Click the [OK] button to enable the setting you have changed.

TIP

In jog mode, the 100% jog speed is equal to movement at 10mm/s.

Step 4 Ensure safety and operate the robot.

Each time you click the [INCHING -] or [INCHING +] button, the robot moves a distance specified as the inching amount in the respective directions.

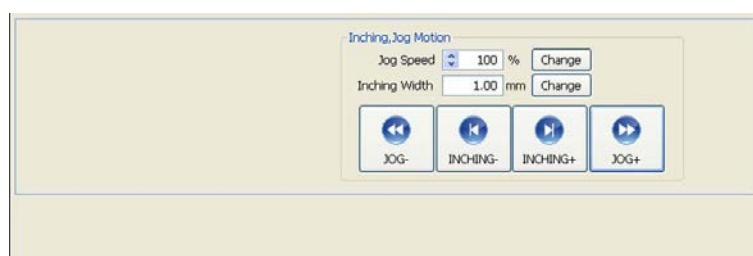
As long as you press the [JOG +] or [JOG -] button, the robot keeps moving at the specified jog speed in the respective directions. Upon releasing the button, the robot slows down and stops. The robot also slows down and stops when it reaches the soft limit in the respective directions.

Step 1 Make sure that the desired controller is connected to RS-Manager.

Step 2 Display the jog screen in the edit area by using any of the following methods.

- In the Controller tree, double-click the "Jog" icon .
- Right-click the "Jog" icon  and select "Open Selected Item" from the pop-up menu.
- Select (highlight) the "Jog" icon  and then select "Open Selected Item" from the "Controller" menu.

Jog screen (online)



74015-WM-00

Step 3 Set the jog speed or inching width.

To move the robot in jog mode, enter the speed (%) in the "Jog Speed" box and click the [Change] button.

To move the robot in inching mode, enter the inching amount (mm) in the "Inching Width" box and click the [Change] button.

When the [Change] button is clicked, a confirmation message appears asking whether to change the jog speed or inching amount. Click the [OK] button to enable the setting you have changed.

TIP

In jog mode, the 100% jog speed is equal to movement at 10mm/s.

Step 4 Ensure safety and operate the robot.

Each time you click the [INCHING -] or [INCHING +] button, the robot moves a distance specified as the inching amount in the respective directions.

As long as you press the [JOG +] or [JOG -] button, the robot keeps moving at the specified jog speed in the respective directions. Upon releasing the button, the robot slows down and stops. The robot also slows down and stops when it reaches the soft limit in the respective directions.

5.4 Moving the robot to a specified point (point trace)

This section explains how to move the robot to a point that is set beforehand.

The point trace movement can be performed only with the C1, C21 and C22 controller.

Step 1 *Make sure that the desired controller is connected to RS-Manager.*

Step 2 *Display the point data list in the edit area.*

Step 3 *Specify the speed at which the robot moves by point trace.*

In the "Speed Override" box, enter the speed at which the robot will move during point trace and click the [Change] button.

Step 4 *Specify the point where the robot moves.*

The point can be selected by clicking on the point data row where you want to move the robot.

Step 5 *Click the [START] button.*

A confirmation message appears asking whether to move the robot to the specified point. Ensure safety and click the [OK] button. The robot starts moving to the selected point.

If you want to stop moving the robot during operation, click the [STOP] button. To restart, click the [START] button again.



NOTE

If "Jump" in the point data is specified, the robot continues moving to the jump destination point. To stop moving the robot, click the [STOP] button.

■ To monitor the operation point

Click the [Run Point Monitor] to enter the monitoring mode that allows you to monitor the points used during operation. When the monitoring starts, the currently used point row in the point data list is highlighted (selected).



NOTE

- To stop the monitoring, click the [Stop Monitor] button.
- The points can be monitored when the robot is controlled via I/O control.

6. Data transfer

RS-Manager includes a handy utility for transferring data to any desired location. Controller data can be backed up and the backup data can then be restored to the controller.

6.1 Transferring data from controller to PC

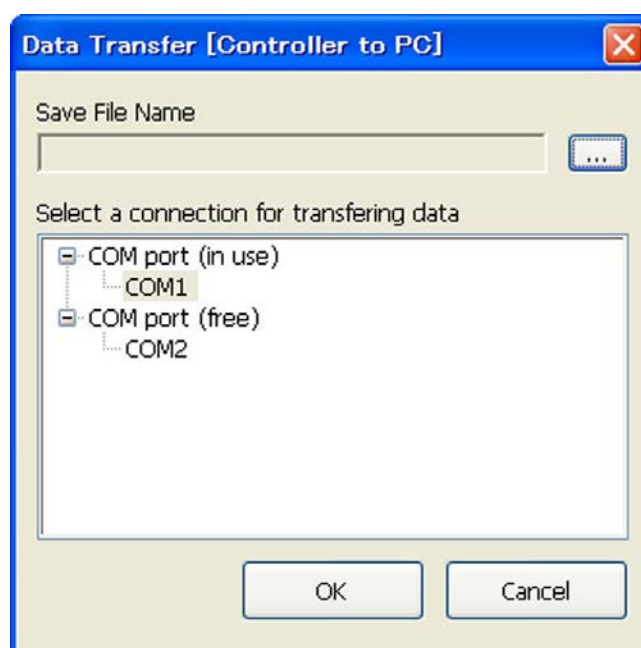
This section describes how to transfer data from a controller to any desired location in a computer, and save as a file.

Step 1 Execute the **"Controller to PC..."** command.

From the "File" menu, select "Transfer" - "Controller to PC..." command.

The "Data Transfer [Controller to PC]" window appears.

"Data Transfer [Controller to PC]" window

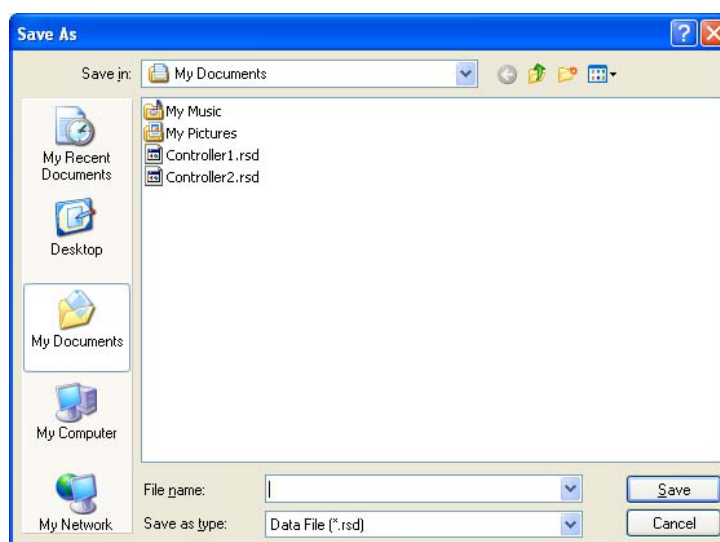


74016-WM-00

Step 2 Display the **"Save As" dialog box**.

The "Save As" dialog box appears by clicking the [...] button next to the "Save File Name" box.

"Save As" dialog box



74017-WM-00

Step 3 In the "File name" box, enter a file name for the data after transfer.**NOTE**

Files transferred from a controller are automatically given an extension "*.rsd". You do not have to select the extension from the "Save as type" drop-down list.

Step 4 Select the location to save the data and click the [Save] button.

The save destination is determined and displayed in the "Save File Name" box.

Step 5 Select the connection for data transfer.

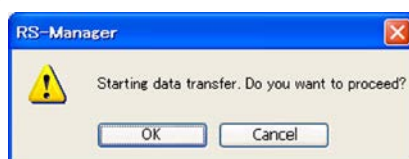
From the "COM port (free)" list, click to select the port to use for data transfer. When the controller from which you will transfer data is already connected, select the connected port from the "COM port (in use)" list.

Step 6 Click the [OK] button.

When transferring data from the currently connected controller, a confirmation message appears asking whether to execute data transfer as shown below.

Confirmation message

Data transfer from currently connected controller



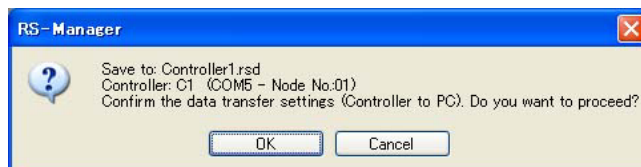
74018-WM-00

When newly connecting a controller to perform data transfer, a search for the controller starts.

When the controller for data transfer is found, a confirmation message appears asking to execute data transfer as shown below.

Confirmation message

Data transfer from newly connected controller



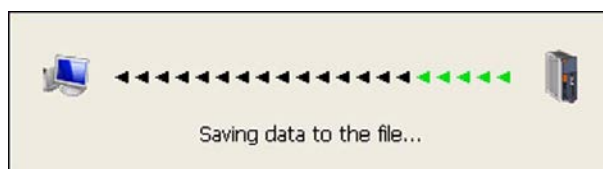
74019-WM-00

TIP

To stop data transfer, click the [Cancel] button.

Step 7 Click the [OK] button.

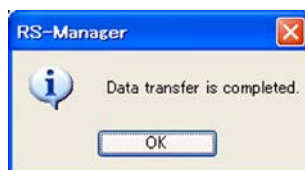
Data transfer starts and the progress indicator is displayed during data transfer.

Data transfer in progress

74020-WM-00

Step 8 When the message appears stating that data transfer is complete, click the [OK] button.

"Data transfer completed" message



74021-WM-00

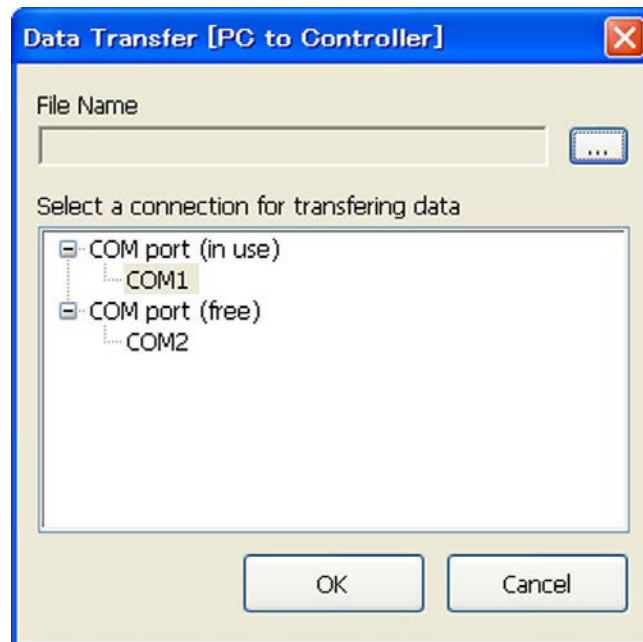
6.2 Transferring data from PC to controller

This section describes how to transfer file data on a computer to a controller.

Step 1 Execute the "PC to Controller..." command.

From the "File" menu, select "Transfer" - "PC to Controller..." command.
The "Data Transfer [PC to Controller]" window appears.

"Data Transfer [PC to Controller]" window

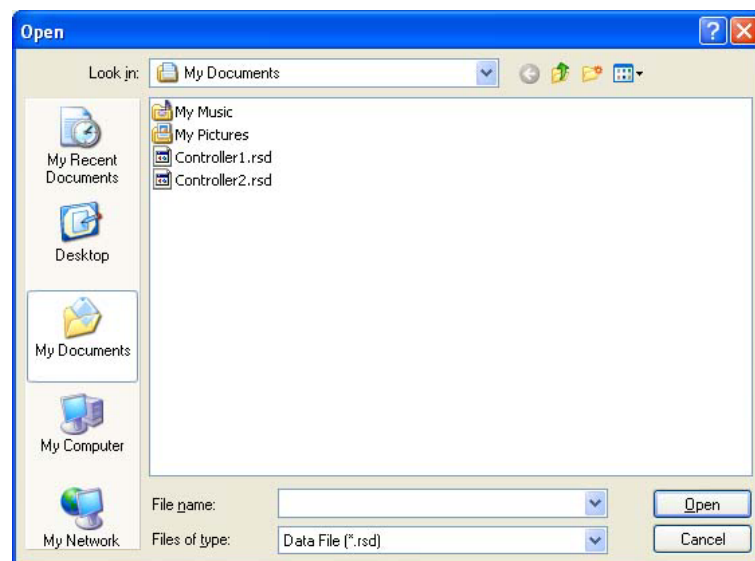


74022-WM-00

Step 2 Display the "Open" dialog box.

The "Open" dialog box appears by clicking the [...] button next to the "File Name" box.

"Open" dialog box



74023-WM-00

Step 3 Select the file to transfer to a controller and click the [Open] button.

The selected data file is displayed in the "File Name" box.

Step 4 Select the connection for data transfer.

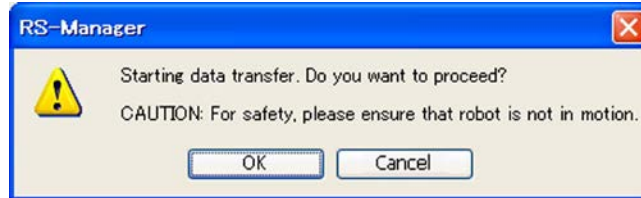
From the "COM port (free)" list, click to select the port to use for data transfer. When the controller to which you will transfer data is already connected, select the connected port from the "COM port (in use)" list.

Step 5 Click the [OK] button.

When transferring data to the currently connected controller, a confirmation message appears asking whether to execute data transfer as shown below.

Confirmation message

Data transfer to currently connected controller

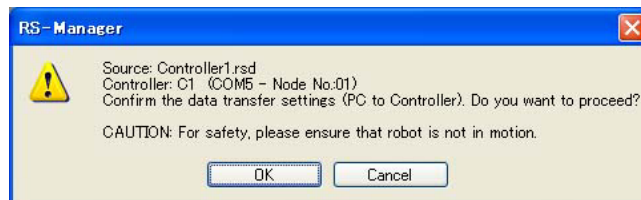


74024-WM-00

When newly connecting a controller to perform data transfer, a search for the controller starts. When the controller for data transfer is found, a confirmation message appears asking to execute data transfer as shown below.

Confirmation message

Data transfer to newly connected controller

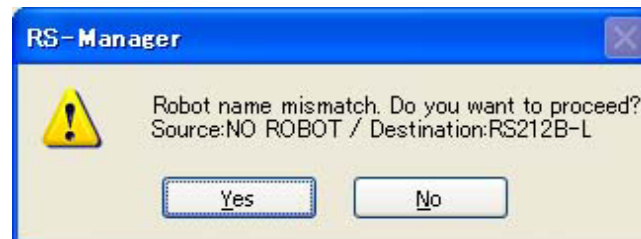


74025-WM-00

TIP

- To stop data transfer, click the [Cancel] button.
- If the data file's robot name does not match the transfer destination controller, a confirmation message appears asking whether to continue data transfer. Click the [Yes] button to continue data transfer.

Transfer confirmation message due to robot name mismatch



74026-WM-00



NOTE

If the controller information in the data to be transferred does not match the controller at the transfer destination, an error message appears and the data transfer will be canceled. Recheck the setting and then transfer the data again.

"Data transfer cancelled" message



74027-WM-00

Step 6 Click the [OK] button.

Data transfer starts and the progress indicator appears during data transfer.

Data transfer in progress



74028-WM-00

Step 7 When the message appears stating that data transfer is complete, click the [OK] button.

"Data transfer completed" message



74029-WM-00

7. Data editing

RS-Manager has useful functions that allow you to efficiently create and edit data needed for robot operation. This section describes the following editing tasks.

Creating new data

⇒ 7.1

Editing point data

⇒ 7.2

Editing parameters

⇒ 7.3

73002-WM-00

7.1 Creating new data

This section explains how to create data that matches the robot controller and robot being used.

7.1.1 C1,C21/C22

Step 1 Check the robot controller and robot model numbers.

The robot controller and robot model numbers are required to create data. To check their model numbers, refer to the user's manuals supplied with the robot controller and robot.

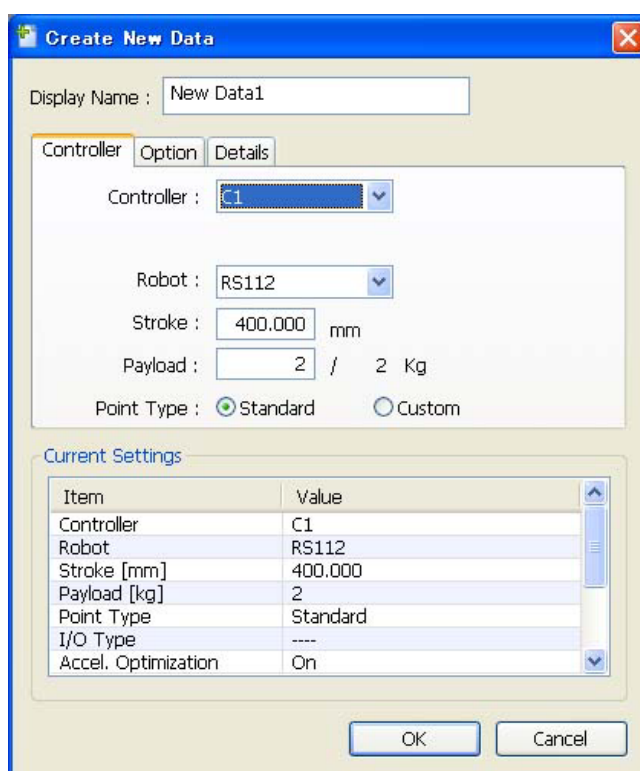
Step 2 From the "File" menu, select "New" – "Data...".

The "Create New Data" dialog box appears.

TIP

You can also click the  (New Data) on the toolbar.

"Create New Data" dialog box



Item	Value
Controller	C1
Robot	RS112
Stroke [mm]	400.000
Payload [kg]	2
Point Type	Standard
I/O Type	----
Accel. Optimization	On

74030-WM-00

Step 3 Enter a display name.

In the "Display Name" box, enter a name as you want it to appear in the Controller tree. This name will be used as the default file name for saving the data.



NOTE

The name specified here is not registered in the robot controller, but is used only for identifying the data on RS-Manager.

Step 4 Select the controller and robot.

Select the [Controller] tab to open it. From the "Controller" drop-down list, select the controller being used. Likewise, from the "Robot" drop-down list, select the robot being used.



NOTE

- No data can be registered (transferred) to the controller unless the controller name specified here matches the controller being used, so use caution.
- The robot cannot be changed after creating data. If changed, you will need to recreate the data.

Step 5 Enter the robot stroke and payload.

In the "Stroke" box, enter the stroke of the robot being used, and in the "Payload" box, enter the payload that matches your application.

TIP

The stroke and payload can be changed even after creating the data.

Step 6 Select the point type.

The "Point Type" must be selected according to the usage.



NOTE

The "Point Type" cannot be changed after creating the data.

Step 7 Check the settings.

The items you have selected are displayed in the "Current Settings" list.

TIP

Make the settings on the [Option] tab and [Details] tab as needed.



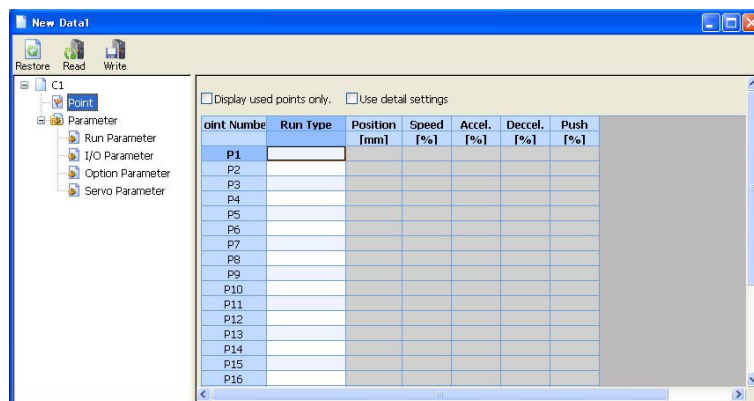
NOTE

- The "Number of Decimal Places" on the [Details] tab cannot be changed after creating the data, so use caution.
- The "Number of Decimal Places" might be fixed to "2" depending on the selected robot.

Step 8 Click the [OK] button.

The controller window then appears and starts data initialization. When the initialization is finished, the point data list appears allowing you to edit data.

Controller window example



74031-WM-00

Step 1 Check the robot controller and robot model numbers.

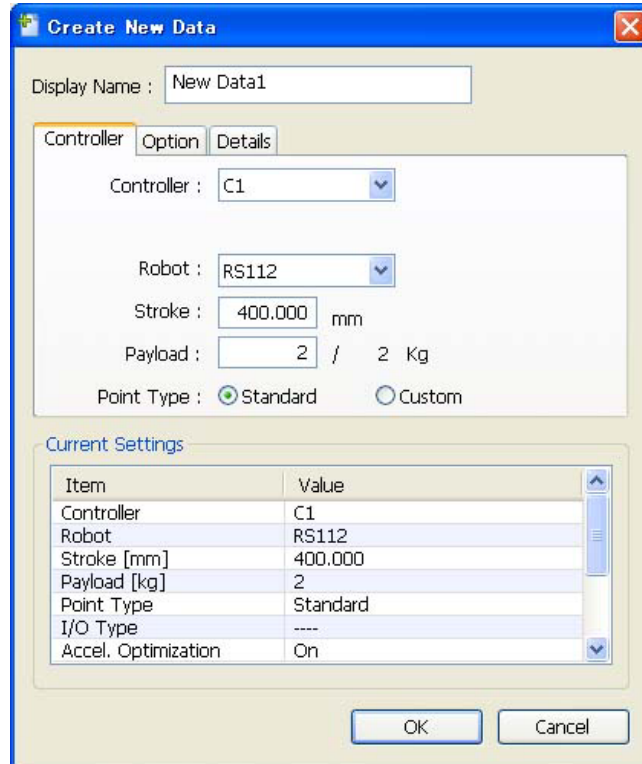
The robot controller and robot model numbers are required to create data. To check their model numbers, refer to the user's manuals supplied with the robot controller and robot.

Step 2 From the "File" menu, select "New" – "Data...".

The "Create New Data" dialog box appears.

TIP

You can also click the  (New Data) on the toolbar.

"Create New Data" dialog box


Item	Value
Controller	C1
Robot	RS112
Stroke [mm]	400.000
Payload [kg]	2
Point Type	Standard
I/O Type	----
Accel. Optimization	On

74032-WM-00

Step 3 Enter a display name.

In the "Display Name" box, enter a name as you want it to appear in the Controller tree. This name will be used as the default file name for saving the data.



NOTE

The name specified here is not registered in the robot controller, but is used only for identifying the data on RS-Manager.

Step 4 Select the controller and robot.

1. From the "Controller" drop-down list, select "P1".
2. From the "Robot" drop-down list, select the robot being used.

Controller and robot selections

P1

Item	Value
Controller	P1
Robot	RS112
Stroke [mm]	400.000
Payload (JOG only)[kg]	2
Pulse input type	Open collector
Pulse signal type	Disable
E-Gear1	20480

74033-WM-00



NOTE

- No data can be registered (transferred) to the controller unless the controller name specified here matches the controller being used, so use caution.
- The robot cannot be changed after creating data. If changed, you will need to recreate the data.

Step 5 Enter the robot stroke and payload.

In the "Stroke" box, enter the stroke of the robot being used, and in the "Payload" box, enter the payload that matches your application.

TIP

The stroke and payload can be changed even after creating the data.



CAUTION

- As you enter the payload, the acceleration and deceleration for the jog and inching operations are set. However, when moving the robot by inputting pulses, the acceleration and deceleration are determined by the pulse signals input from the host unit.
- Set the host unit so that the robot is operated with appropriate deceleration and acceleration while referring to the user's manual for P1.

Step 6 Set the parameters related to the pulse train input.

Click the [Option] tab, and then change "Pulse input type", "Pulse signal type", "E-Gear 1", and "E-Gear 2" parameter settings.

Pulse train related parameter settings

P1

Item	Value
Controller	P1
Robot	RS112
Stroke [mm]	400.000
Payload (JOG only)[kg]	2
Pulse input type	Open collector
Pulse signal type	Disable
E-Gear1	20480

74034-WM-00

In the "Pulse input type" parameter, select an input pulse signal type from the host unit, "Open collector" or "Line driver".

In the "Pulse signal type" parameter, select a command type from the host unit, "CW/CCW", "Pulse/Sign", or "Phase A/Phase B".

Or, when this parameter is set disabled, the jog, inching, and return-to-origin operations can be performed from the RS-Manager.

The "E-Gear 1" and "E-Gear 2" parameters are intended to set the E-Gear ratio.



NOTE

For information on the E-Gear, see the user's manual for P1.

Step 7 Check the settings.

The items you have selected are displayed in the "Current Settings" list.

TIP

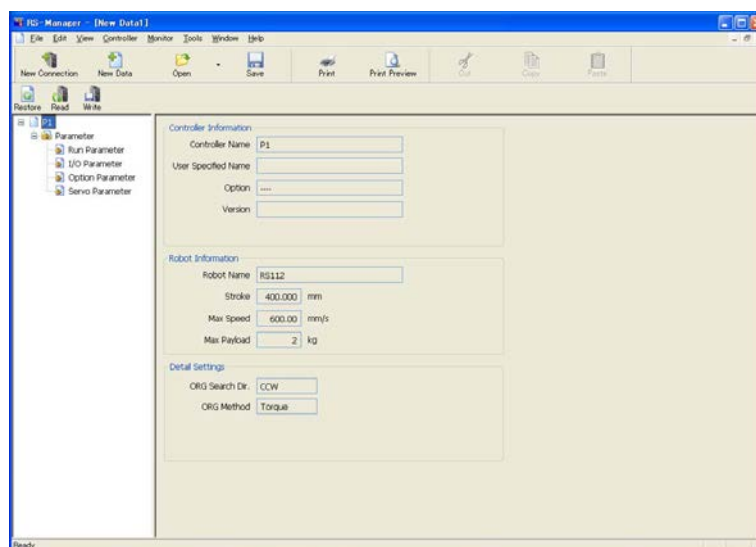
Make the settings on the [Option] tab and [Details] tab as needed.

Step 8 Click the [OK] button.

The controller window then appears and starts data initialization. When the initialization is finished, the controller information and other data appear.

Controller information window

P1



74035-WM-00

7.2 Editing point data (C1,C21/C22)

Using the point data list, you can display and edit the point data stored in the robot controller and/or computer. The P1 does not use any point data.

Step 1 Display the point data list by using any of the following methods.

- In the Controller tree, double-click the "Point" icon .
- Right-click the "Point" icon  and select "Open Selected Item" from the pop-up menu.
- Select (highlight) the "Point" icon  and then select "Open Selected Item" from the "Controller" menu.

Point data list

☐ Display used points only. ☐ Use default settings Run Point Monitor

Point Number	Run Type	Position [mm]	Speed [%]	Accel. [%]	Deccel. [%]	Push [%]
P1	ABS	0.00	100	100	100	100
P2	ABS	600.00	100	100	100	100
P3	ABS	46257	100	100	100	100
P4						
P5						
P6						
P7						
P8						
P9						
P10						
P11						
P12						
P13						
P14						
P15						
P16						
P17						
P18						
P19						
P20						

74036-WM-00

TIP

Refer to the RS-Manager help for detailed information on the point data list.

Step 2 Edit point data.

In the point data list, you can enter data the same as on spreadsheet software.

First, select "Run Type". Double-clicking a cell in the "Run Type" column opens the drop-down list, so select the "Run Type" according to your application.

If the cell is an unregistered point, selecting the "Run Type" automatically enters the default values in each item, making all items editable.

When RS-Manager is connected (online) to the controller during data editing, the current robot position data can be entered in the "Position" cell of the selected point No. by using the [TEACH] button.



NOTE

To use the [TEACH] button, the robot must have completed return-to-origin.

TIP

When an item has been edited, the cell is highlighted in red background. This means a change has been made after the data was saved. The background will return to white by saving the data or writing it to the controller (only during online).

Step 3 Save the data, or write the data to the controller.

- To save

Use either of the following two methods to save the data.

- Click the  (Save) on the toolbar.
- From the "File" menu, select "Save" or "Save As...".

When you first save the data or you select "Save As...", the "Save As" dialog box appears. Enter a file name and save it.

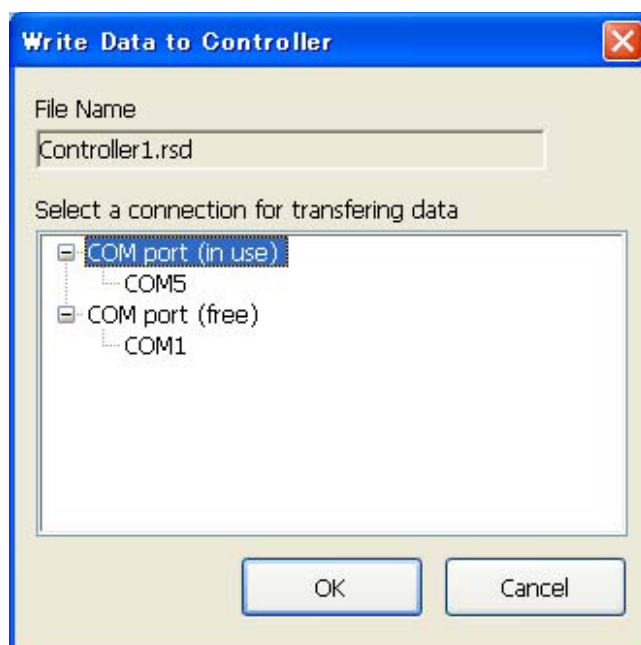
- To write to the controller

Use either of the following two methods to write the data to the controller.

- Click the  (Write) on the toolbar.
- From the "Controller" menu, select "Write Data to Controller...".

In the case of offline data, the "Write Data to Controller" dialog box appears. Select the connection to write the data. The controller already in use can also be connected.

"Write Data to Controller" dialog box



74037-WM-00



NOTE

The point data and parameters are saved or written to the controller at one time. If changes are made to data which are not displayed (for example, parameters during point data editing), those changes will be reflected at the same time, so use caution.

7.3 Editing parameters

Parameters are divided into groups: "Run parameters", "I/O parameters", "Option parameters", and "Servo parameters".

Parameters can be edited on the edit screen for each parameter.

Step 1 Display the parameter list by using any of the following methods.

- In the Controller tree, open the "Parameter" folder and double-click the parameter icon  you want to edit.
- Right-click the parameter icon  you want to edit and select "Open Selected Item" from the pop-up menu.
- Select (highlight) the parameter icon  you want to edit and then select "Open Selected Item" from the "Controller" menu.

Parameter data list

Specifies the minus-side limit of the robot movement range.
Although the robot's effective stroke is factory-set as the soft limit when shipped, it should be changed if necessary to avoid collisions with obstacles, etc.

Range : [Min : -9999.99 / Max : 9999.99]

No.	Name	Unit	R5112
1	(-) soft limit	mm	0.00
2	(+) soft limit	mm	400.00
3	In-position	mm	0.05
4	Push mode		duration after completion, with no failure judgment.
5	Push judge time	ms	10
6	Push speed	mm/s	20.00
7	Zone (-)	mm	0.00
8	Zone (+)	mm	0.00
9	Speed override	%	100
10	JOG speed	%	100
11	Inching width	mm	1.00
12	MOVE output level	mm/s	0.01
13	Origin speed	mm/s	20.00
14	Origin dir.		CCW
15	Origin coord.		Standard
16	Origin shift	mm	0.00

74038-WM-00

TIP

The following steps show the parameter list for "Run parameters" as an example. To find detailed information on each parameter, refer to the user's manual that comes with the robot controller.

Step 2 Edit the parameter.

In the parameter list, you can enter data the same as on spreadsheet software.

Selecting a cell for the parameter you want to edit displays the meaning, description, and entry range of the parameter.

If the cell requires an entry of a specific setting (character string), double-clicking it opens the drop-down list, so select the appropriate setting.

TIP

When an item has been edited, the cell is highlighted in red background. This means a change has been made after the data was saved. The background will return to white by saving the data or writing it to the controller (only during online).

Step 3 *Save the data, or write the data to the controller.*

- To save

Use either of the following two methods to save the data.

- Click the  (Save) on the toolbar.
- From the "File" menu, select "Save" or "Save As...".

When you first save the data or you select "Save As...", the "Save As" dialog box appears. Enter a file name and save it.

- To write to the controller

Use either of the following two methods to write the data to the controller.

- Click the  (Write) on the toolbar.
- From the "Controller" menu, select "Write Data to Controller...".

In the case of offline data, the "Write Data to Controller" dialog box appears. Select the connection to write the data. The controller already in use can also be connected.



NOTE

The point data and parameters are saved or written to the controller at one time. If changes are made to data which are not displayed (for example, point data during parameter editing), those changes will be reflected at the same time, so use caution.

USB Cable Driver Setup

Contents

1. USB cable specifications and part names	3
1.1 EXRS-USB1 (KCA-M538F) USB Serial Port	3
2. Driver software setup	5
2.1 USB cable applicable support software	5
2.2 Windows 2000	6
2.3 Windows XP	13
2.4 Windows Vista	19
2.5 Windows 7	24
2.6 Windows 8 / Windows 8.1	30
2.7 Windows 10	41
2.8 Windows 11	48
3. Uninstalling the driver software	54
3.1 Windows 2000/XP	54
3.2 Windows Vista	56
3.3 Windows 7	59
3.4 Windows 8/Windows 8.1	61
3.5 Windows 10	64
3.6 Windows 11	67

1. USB cable specifications and part names



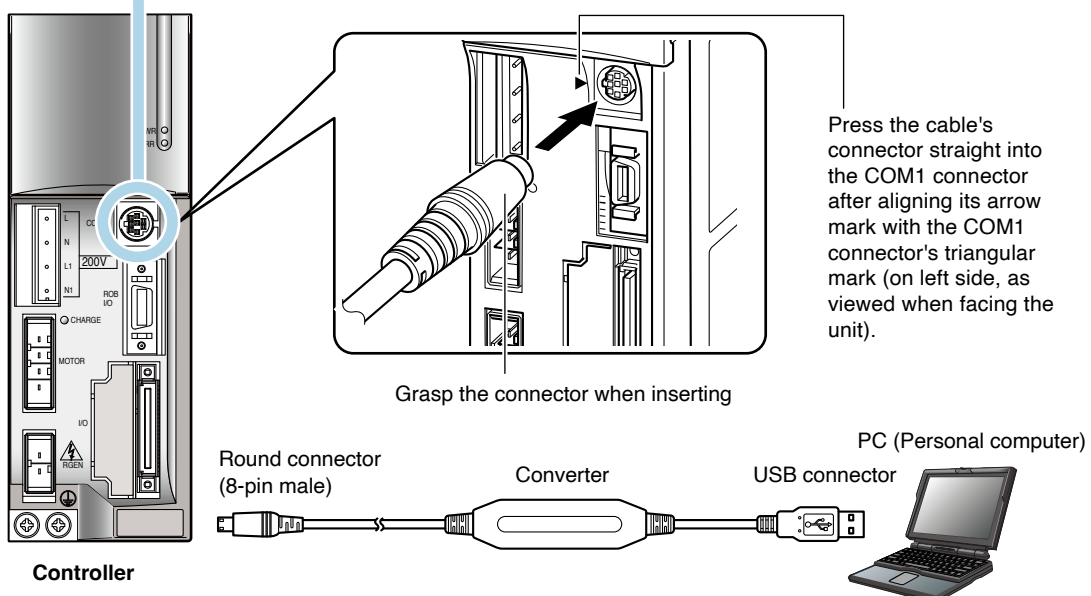
- This USB cable is a dedicated cable solely for connecting the controller to the PC. Do not connect this cable to other equipment since it may cause breakdowns in the PC and other connected equipment.
- Make sure each connector is facing correctly and insert it straight inwards.
- Make sure the metal parts of the connector do not come in contact with the external power supply terminals, etc.
- Make sure there are no metallic objects such as wire making connect between the connector pins. These might cause heat, fire, or damage.
- Do not disassemble, modify or make a direct solder connection since this might cause heat, fire, or damage.
- Do not let water or moisture get on the unit. Do not touch the connector with moist hands since this might cause electrical shocks.
- Do not apply strong impacts to the unit since this might cause breakdowns.
- When inserting or removing the connector, grip the connector body. Do not pull on the cable since this might cause wire breakage or connection defects.
- If the cable becomes worn or damaged then promptly stop using it and ask your distributor for repair.
- Do not place heavy items on the cable, forcefully bend or pull on the cable since this might cause fires or breakdowns.
- Never connect to any equipment other than the specified model since this might damage the internal IC.
- If you notice smoke or a strange odor then remove the cable, stop using the equipment, and ask your distributor for repair.

1.1 EXRS-USB1 (KCA-M538F) USB Serial Port

USB cable

Example: Controller is C21/C22.

Communication connector 1 (COM1)



1.1 EXRS-USB1 (KCA-M538F) USB Serial Port

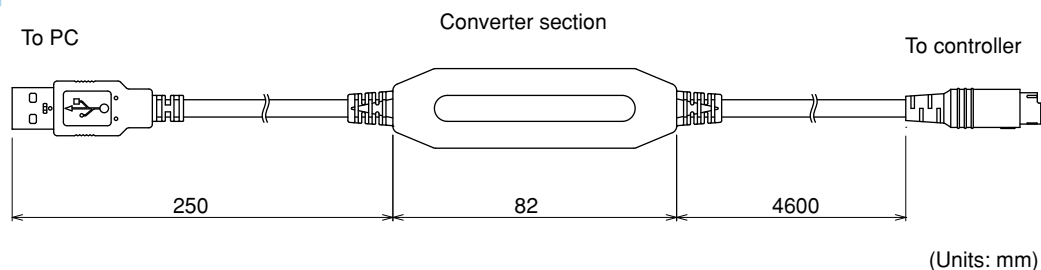
Specifications

Support OS *		Windows 2000 / XP / Vista (32bit/64bit) / 7 (32bit/64bit) / Windows 8 (32bit/64bit) / Windows 8.1 (32bit/64bit) / Windows 10 (32bit/64bit) / Windows 11 (32bit/64bit)
USB interface		USB specification Rev 2.0, Full Speed compliant
Connector	USB	USB Type A
	Serial	Dedicated round connector (8-pin male)
Power		Bus power (supplied from USB host controller or hub)
Voltage		5V DC
Current consumption (Max.)		50mA
Ambient operating temperature		0 to 40°C
Ambient storage temperature		-20 to 60°C
Ambient operating humidity		35 to 85% RH, no condensation
Ambient storage humidity		10 to 85% RH, no condensation
Cable length		Overall length 5m
Support controller		C1 / C21 / C22 / P1

* These OSs (operating systems) are applicable to the USB cable driver software.

- For details about OS applicable to each support software, refer to the support software manual.

Dimensional outlines



2. Driver software setup

This section describes how to set up the USB cable for your PC.



CAUTION

To use the USB cable, always install the driver software that came with the USB cable. The driver software is dedicated for *Windows 2000 / Windows XP / Windows Vista / Windows 7 / Windows 8 / Windows 8.1 / Windows 10/ Windows 11. Installing the driver software in a PC running on other OS might cause serious problems with the USB driver or Windows OS.

See the relevant page in this manual according to Windows version you are using.

Windows 2000	▶ See "2.2 Windows 2000"
Windows XP	▶ See "2.3 Windows XP"
Windows Vista	▶ See "2.4 Windows Vista"
Windows 7	▶ See "2.5 Windows 7"
Windows 8 / Windows 8.1	▶ See "2.6 Windows 8 / Windows 8.1"
Windows 10	▶ See "2.7 Windows 10"
Windows 11	▶ See "2.8 Windows 11"

- * Microsoft, Windows, Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10 and Windows 11 are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

2.1 USB cable applicable support software

The USB cable is applicable to the support software shown below.

•RS-Manager

.....

The driver software for the USB cable is contained in the support software installation disc. Additionally, you can also use the one that has been copied into the support software installation folder to install the driver software. However, the ones are not always the latest version.



NOTE

The following shows the default support software installation folders.

[Windows 2000 / XP / Vista (32-bit version) / 7 (32-bit version) / 8 (32-bit version) / 8.1 (32-bit version) / 10 (32-bit version) / 11 (32-bit version)]

C:\Program Files\Misumi\<Support software name>

[Windows Vista (64-bit version) / 7 (64-bit version) / 8 (64-bit version) / 8.1 (64-bit version) / 10 (64-bit version) / 11 (64-bit version)]

C:\Program Files(x86)\Misumi\<Support software name>

.....

2.2 Windows 2000

■ Installing the driver

First install the USB cable driver software.



NOTE

When installing the driver software for the USB cable from the support software installation folder, start the work from Step 2 after Windows has started.

Step 1 Start Windows and insert the support software installation disc into the CD-ROM drive of your PC.

If the setup program appears, click the [Exit] button to end the program.

Step 2 Plug the USB cable into the USB port of your PC.

The "Found New Hardware Wizard" dialog box appears. Click the [Next] button to continue.

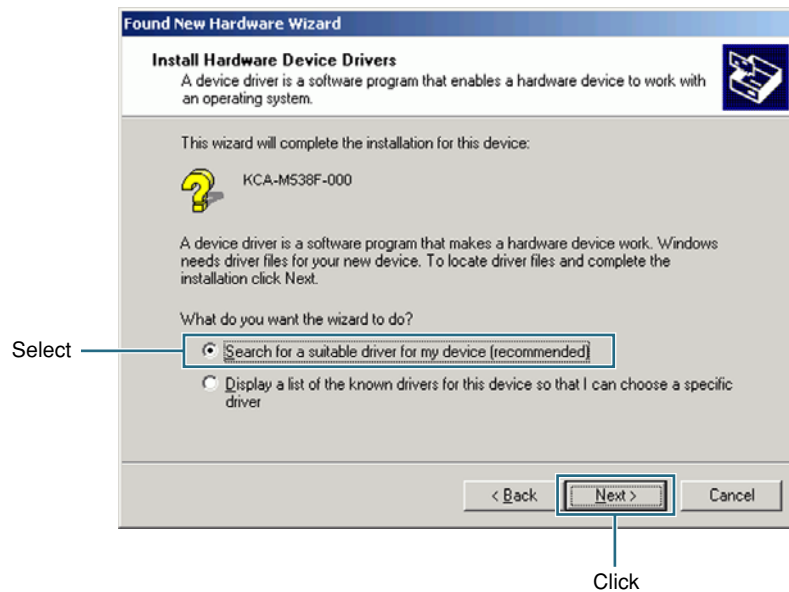
"Found New Hardware Wizard" start screen



Click

Step 3 Select the method for installing the driver software.

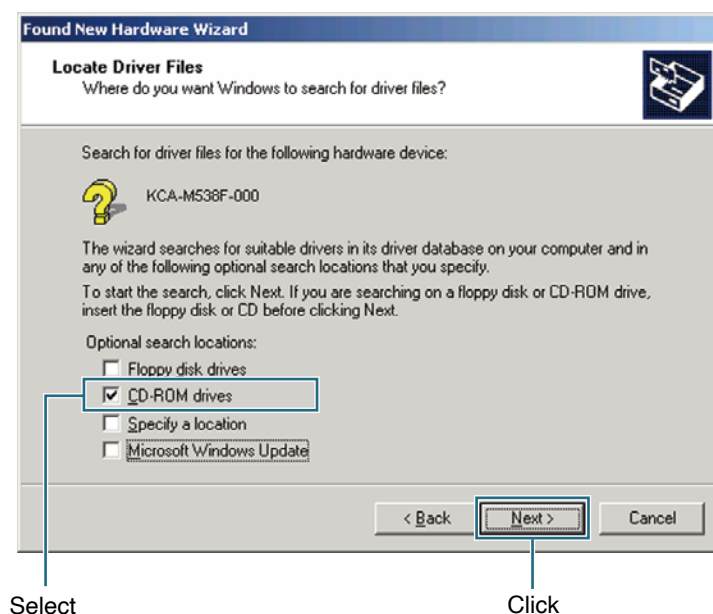
When the "Install Hardware Device Drivers" dialog box appears, select "Search for a suitable driver for my device (recommended)" and click [Next] to continue.

"Install Hardware Device Drivers" dialog box**NOTE**

When plugging the EXRS-USB1 (KCA-M538F) USB Serial Port into the USB port of your PC, "KCA-M538F-000" is shown.

Step 4 Specify the location of the driver file.

When the "Locate Driver Files" dialog box appears, select "CD-ROM drives" and click [Next] to continue.

Search for driver file



NOTE

- When plugging the EXRS-USB1 (KCA-M538F) USB Serial Port into the USB port of your PC, "KCA-M538F-000" is shown.
- When you use the driver software for the USB cable that has been copied into the support software installation folder to install the driver software, select [Specify a location] and click the [Next] button.
Click the [Browse...] button in the "Found New Hardware Wizard" window, specify [Driver]-[WinXP-Vista-7-8.1] folder contained in the support software installation folder, and then click [OK].
For details about support software installation folders, see "2.1 USB cable applicable support software".

Step 5 Window searches for the driver file.

When the driver file is found, click [Next] to continue.

Step 6 Finish the driver installation.

When the dialog box appears indicating the driver software has been successfully installed, click the [Finish] button.

Dialog box indicating the driver has been installed



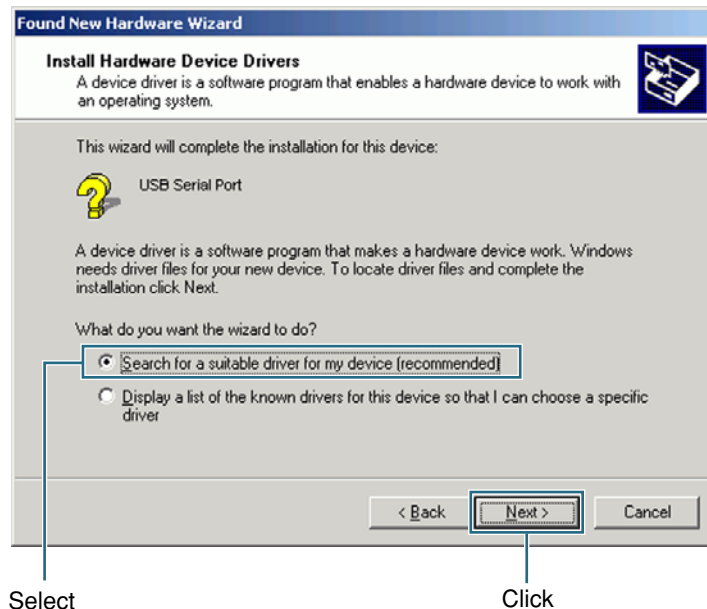
Click

Step 7 Install the USB serial port.

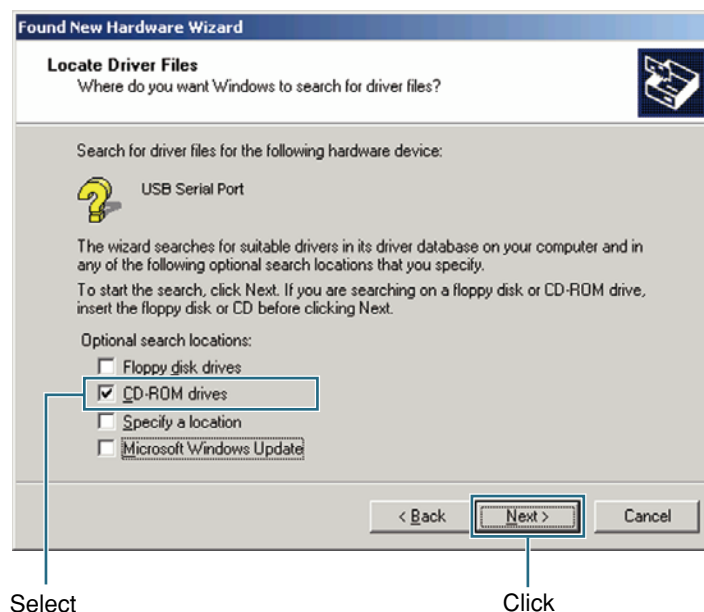
The "Found New Hardware Wizard" dialog box appears again.
Click the [Next] button.

Step 8 Select the method for installing the driver software.

The "Install Hardware Device Drivers" dialog box appears again. Select "Search for a suitable driver for my device (recommended)" and click [Next] to continue.

"Install Hardware Device Drivers" dialog box**Step 9** Specify the location of the driver file.

The "Locate Driver Files" dialog box appears again. Select "CD-ROM drives" and click [Next] to continue.

Search for driver file



NOTE

When you use the driver software for the USB cable that has been copied into the support software installation folder to install the driver software, select [Specify a location] and click the [Next] button.

Click the [Browse...] button in the "Found New Hardware Wizard" window, specify [Driver]-[WinXP-Vista-7-8.1] folder contained in the support software installation folder, and then click [OK].

For details about support software installation folders, see "2.1 USB cable applicable support software".

Step 10 Windows searches for the driver file.

When the driver file is found, click [Next] to continue.

Step 11 Finish the driver installation.

The "Completing the Found New Hardware Wizard" window appears. Remove the support software installation disc from the CD-ROM drive and click the [Finish] button.

■ Checking the COM port

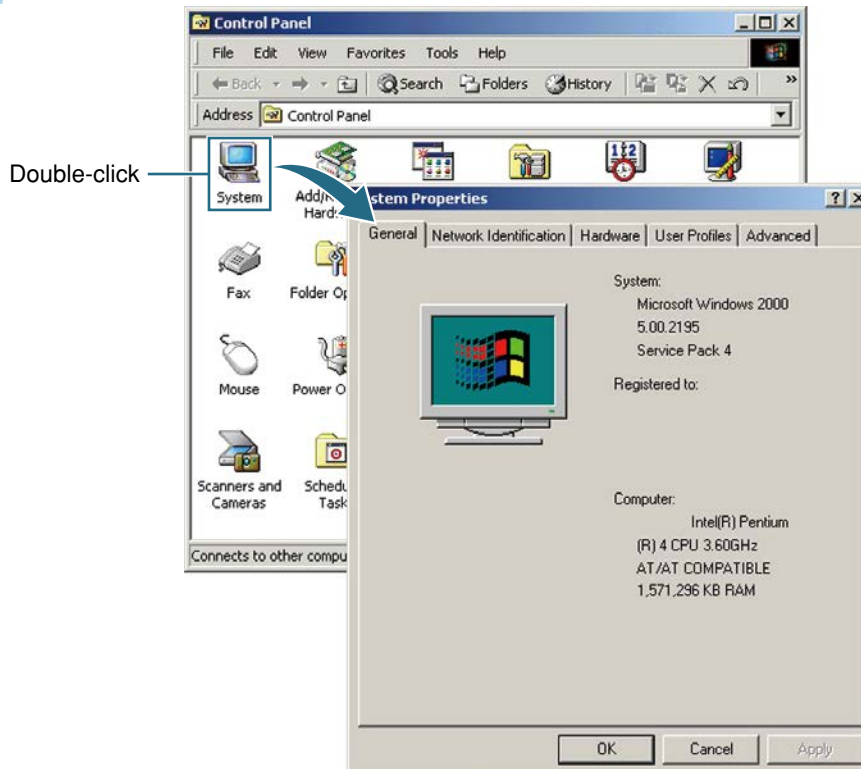
After installing the driver software, check the COM port number assigned to the USB serial port.

Step 1 Start "System Properties".

From the Start menu, select "Settings" and click "Control Panel".

Double-click the "Systems" icon to open the "System Properties" screen.

"Control Panel" and "System Properties"



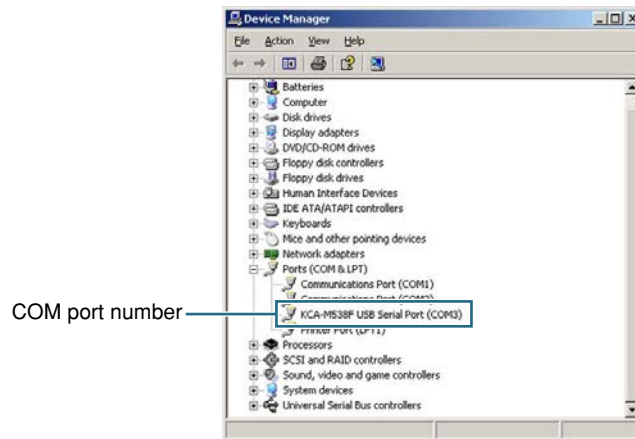
Step 2 Check the COM port number for the USB serial port.

Select the [Hardware] tab and then click "Device Manager".

Check the COM port number for "KCA-M538F USB Serial Port (COM □)" which should be displayed under the "Ports (COM and LPT)" group.

Example) KCA-M538F USB Serial Port (COM3) COM port number is "3".

Checking the COM port number



Step 3 Close the Device Manager.

Click the  button to close the Device Manager.

2.3 Windows XP

■ Installing the driver

First install the USB cable driver software.



NOTE

When installing the driver software for the USB cable from the support software installation folder, start the work from Step 2 after Windows has started.

Step 1 Start Windows and insert the support software installation disc into the CD-ROM drive of your PC.

If the setup program appears, click the [Exit] button to end the program.

Step 2 Plug the USB cable into the USB port of your PC.

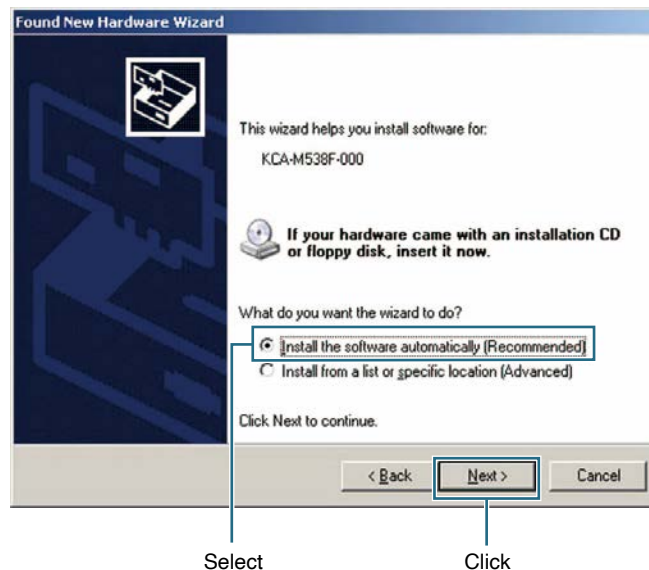
The "Found New Hardware Wizard" dialog box appears. Select "Install the software automatically [Recommended]" and click the [Next] button.



TIP

When installing the driver, another screen might appear asking whether to access the Window Update Web site. Select "No, not this time" when asked.

"Found New Hardware Wizard" dialog box





NOTE

- When plugging the EXRS-USB1 (KCA-M538F) USB Serial Port into the USB port of your PC, "KCA-M538F-000" is shown.
- When you use the driver software for the USB cable that has been copied into the support software installation folder to install the driver software, select [Install from a list or specific location (Advanced)] and click the [Next] button.
In the window for search and installation options, select "Search for the best driver in these locations", specify [Driver] - [WinXP-Vista-7-8.1] folder in the support software installation folder, and click [Next].
For details about support software installation folders, see "2.1 USB cable applicable support software".

Step 3 Install the driver software.

When the "Hardware Installation" dialog box appears, click [Continue Anyway] to continue the installation.



TIP

The message appears stating "The software you are installing for this hardware has not passed Windows Logo testing to verify its compatibility with.... Continuing your installation of this software may impair or destabilize the correct operation of your system....". But this will not affect the PC, so click [Continue Anyway].

"Hardware Installation" dialog box



Click

Step 4 Finish the driver installation.

When the dialog box appears indicating the wizard has finished installing the software, click the [Finish] button.

Dialog box indicating the driver software has been installed

Click

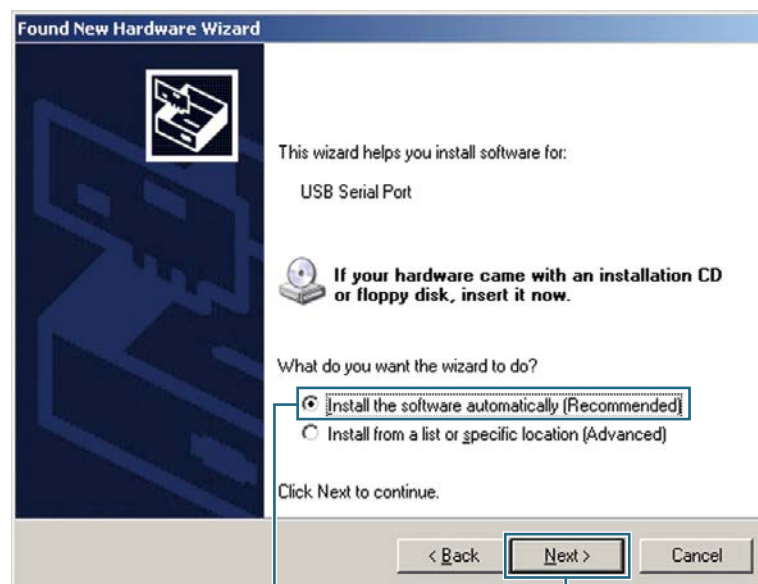
Step 5 Install the USB serial port.

The "Found New Hardware Wizard" dialog box appears. Select "Install the software automatically [Recommended]" and click the [Next] button.



TIP

When installing the driver, another screen might appear asking whether to access the Window Update Web site. Select "No, not this time" when asked.

"Found New Hardware Wizard" dialog box

Select

Click



NOTE

When you use the driver software for the USB cable that has been copied into the support software installation folder to install the driver software, select [Install from a list or specific location (Advanced)] and click the [Next] button.

In the window for search and installation options, select "Search for the best driver in these locations", specify [Driver] - [WinXP-Vista-7-8.1] folder in the support software installation folder, and click [Next].

For details about support software installation folders, see "2.1 USB cable applicable support software".

Step 6 Select the method for installing the driver software.

When the "Hardware Installation" dialog box appears, click [Continue Anyway] to continue the installation.



TIP

The message appears stating "The software you are installing for this hardware has not passed Windows Logo testing to verify its compatibility with.... Continuing your installation of this software may impair or destabilize the correct operation of your system....". But this will not affect the PC, so click [Continue Anyway].

Step 7 Finish the driver installation.

The "Completing the Found New Hardware Wizard" window appears. Remove the support software installation disc from the CD-ROM drive and click the [Finish] button.

■ Checking the COM port

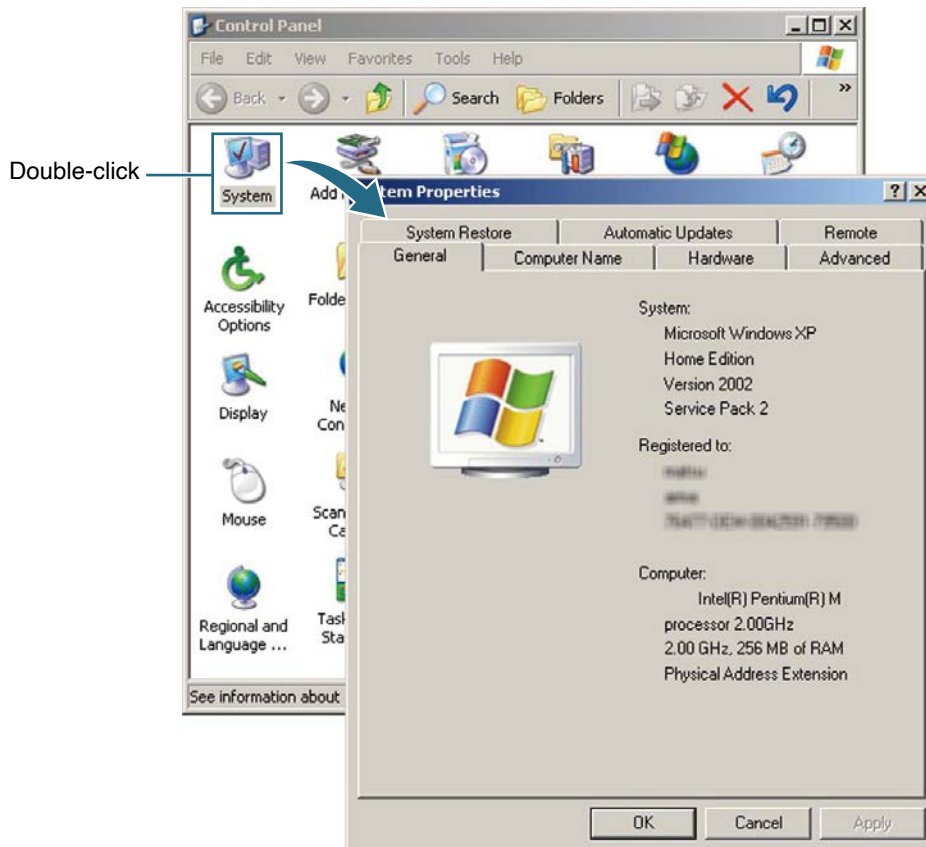
After installing the driver software, check the COM port number assigned to the USB serial port.

Step 1 Start "System Properties".

From the Start menu, select and click "Control Panel".

Double-click the "Systems" icon to open the "System Properties" screen.

"Control Panel" and "System Properties"



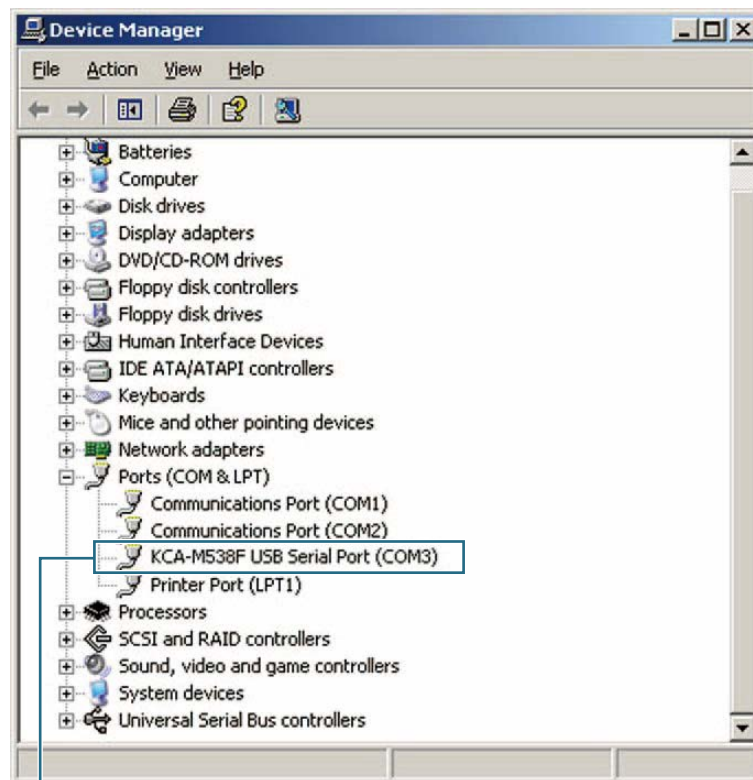
Step 2 Check the COM port number for the USB serial port.

Select the [Hardware] tab and then click "Device Manager".

Check the COM port number for "KCA-M538F USB Serial Port (COM)" which should be displayed under the "Ports (COM and LPT)" group.

Example) KCA-M538F USB Serial Port (COM3) COM port number is "3".

Checking the COM port number



COM port number

Step 3 Close the Device Manager.

Click the  button to close the Device Manager.

2.4 Windows Vista

■ Installing the driver

First install the USB cable driver software.



NOTE

When installing the driver software for the USB cable from the support software installation folder, start the work from Step 2 after Windows has started.

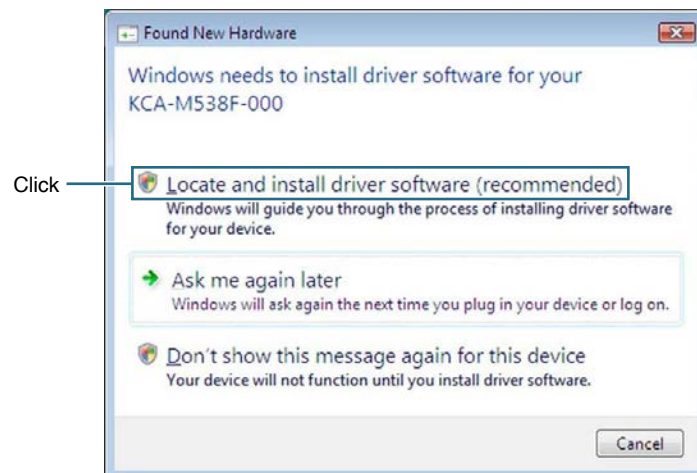
Step 1 Start Windows and insert the support software installation disc into the CD-ROM drive of your PC.

If the setup program appears, click the [Exit] button to end the program.

Step 2 Plug the USB cable into the USB port on your PC.

The "Found New Hardware" dialog box appears. Click "Locate and install driver software (recommended)".

"Found New Hardware Wizard" dialog box



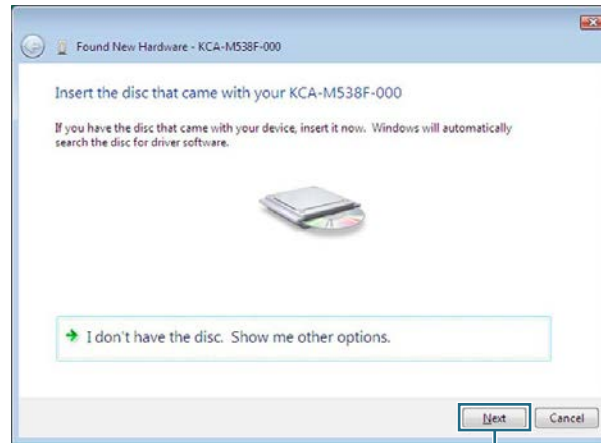
NOTE

When plugging the EXRS-USB1 (KCA-M538F) USB Serial Port into the USB port of your PC, "KCA-M538F-000" is shown.

Step 3 Windows locates the hardware.

When the following dialog box appears, click [Next] to continue.

New hardware is found



Click.

- When plugging the EXRS-USB1 (KCA-M538F) USB Serial Port into the USB port of your PC, "KCA-M538F-000" is shown.
- When you use the driver software for the USB cable that has been copied into the support software installation folder to install the driver software, select [I don't have the disc, Show me other options.] and click the [Next] button.



NOTE

Click [Browse my computer for driver software (advanced)].

Click the [Browse...] button and select the support software installation folder. Check on [Include subfolders], and then click the [Next] button.

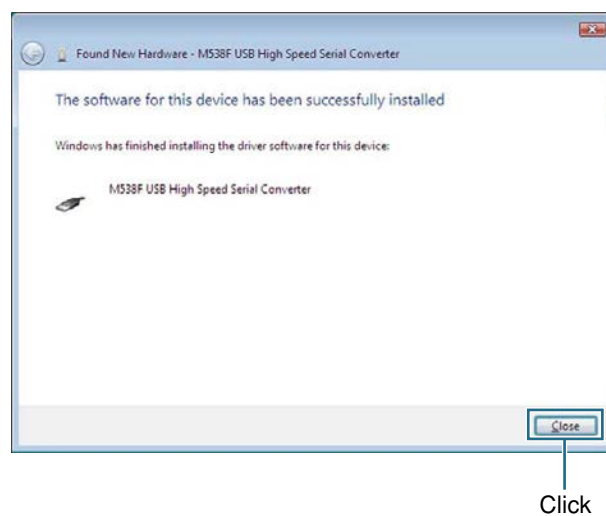
For details about support software installation folders, see "2.1 USB cable applicable support software".

Step 4 Install the driver software.

The "Window Security" dialog box appears. Click "Install this driver software" to install the driver software.

"Window Security" dialog**Step 5** Finish the driver installation.

When the dialog box appears indicating the driver software has been successfully installed, click the [Close] button.

Dialog box indicating the driver software has been installed

Step 6 Install the USB serial port.

The "Found New Hardware" dialog box appears again. Click the [Next] button.

When you use the driver software for the USB cable that has been copied into the support software installation folder to install the driver software, select [I don't have the disc, Show me other options.] and click the [Next] button.



NOTE

Click [Browse my computer for driver software (advanced)].

Click the [Browse...] button and select the support software installation folder. Check on [Include subfolders], and then click the [Next] button.

For details about support software installation folders, see "2.1 USB cable applicable support software".

Step 7 Install the driver software.

The "Window Security" dialog box appears again. Click "Install this driver software" to continue.

"Window Security" dialog box



Step 8 Finish the driver installation.

The "The software for this driver has been successfully installed" window will appear.

Remove the support software installation disc from the CD-ROM drive and click the [Finish] button.



NOTE

When you have used the driver software for the USB cable that has been copied into the support software installation folder to install the driver software, click the [Close] button.

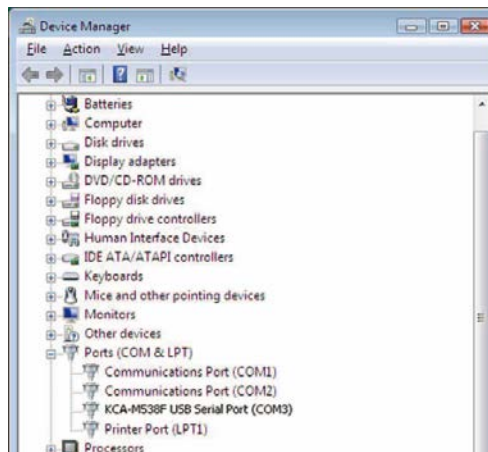
■ Checking the COM port

After installing the driver software, check the COM port number assigned to the USB serial port.

Step 1 Start "System Properties" – "Device Manager."

Click on "Computer", select "System Properties", and click "Device Manager" to open it.

"Device Manager"

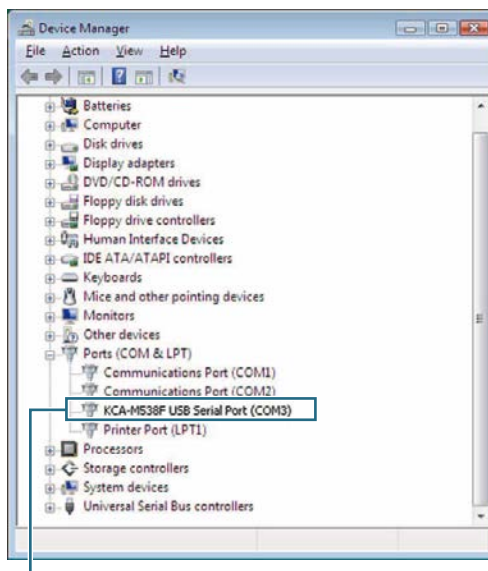


Step 2 Check the COM port number for the USB serial port.

Check the COM port number for "KCA-M538F USB Serial Port (COM □)" which should be displayed under the "Ports (COM and LPT)" group.

Example) KCA-M538F USB Serial Port (COM3) → COM port number is "3".

Checking the COM port number



COM port number

Step 3 Close the Device Manager.

Click the  button to close the Device Manager.

2.5 Windows 7

■ Installing the driver

First install the USB cable driver software.



NOTE

When installing the driver software for the USB cable from the support software installation folder, start the work from Step 2 after Windows has started.

Step 1 Start Windows and insert the support software installation disc into the CD-ROM drive of your PC.

If the setup program appears, click the [Exit] button to end the program.

Step 2 Plug the USB cable into the USB port on your PC.

A message appears stating that the device driver software is being installed.

After a while, another message appears stating "Device driver software was not successfully installed".

Message stating "Device driver software was not successfully installed"



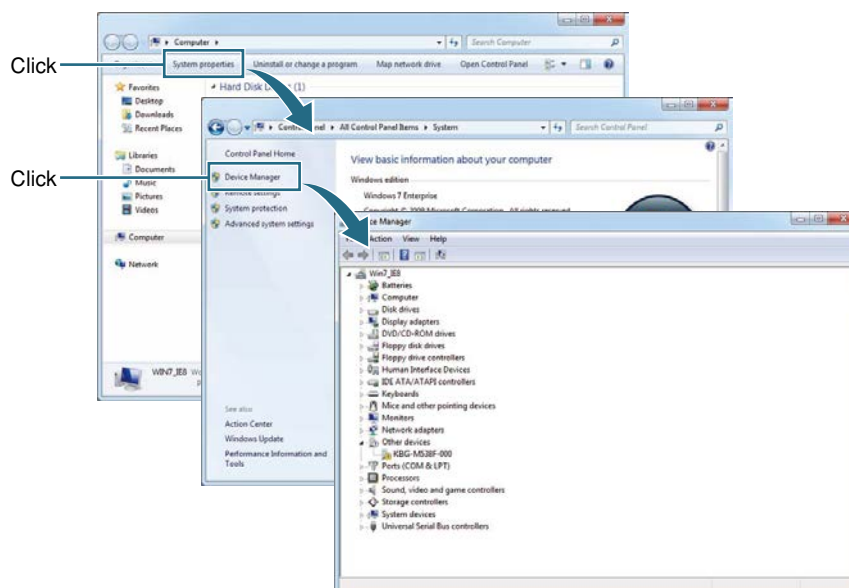
Step 3 Open Device Manager.

On the Start menu, click "Computer".

Click "System Properties".

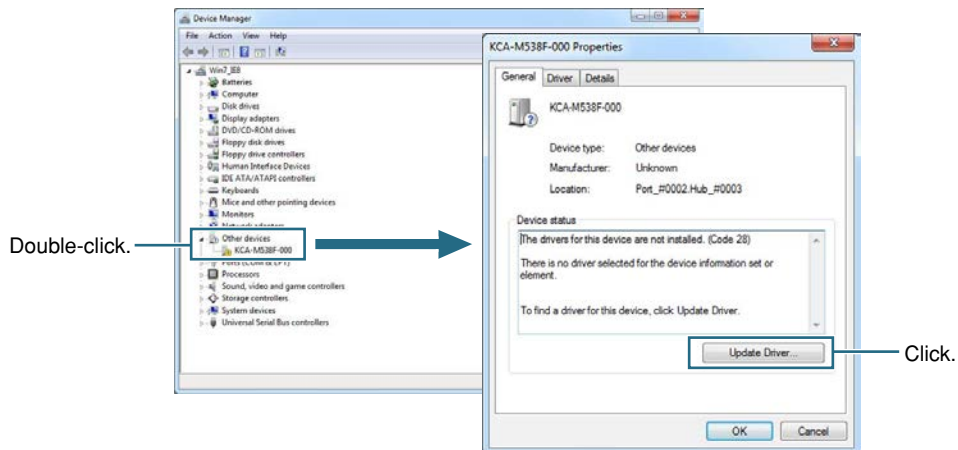
Click "Device Manager".

Displaying Device Manager

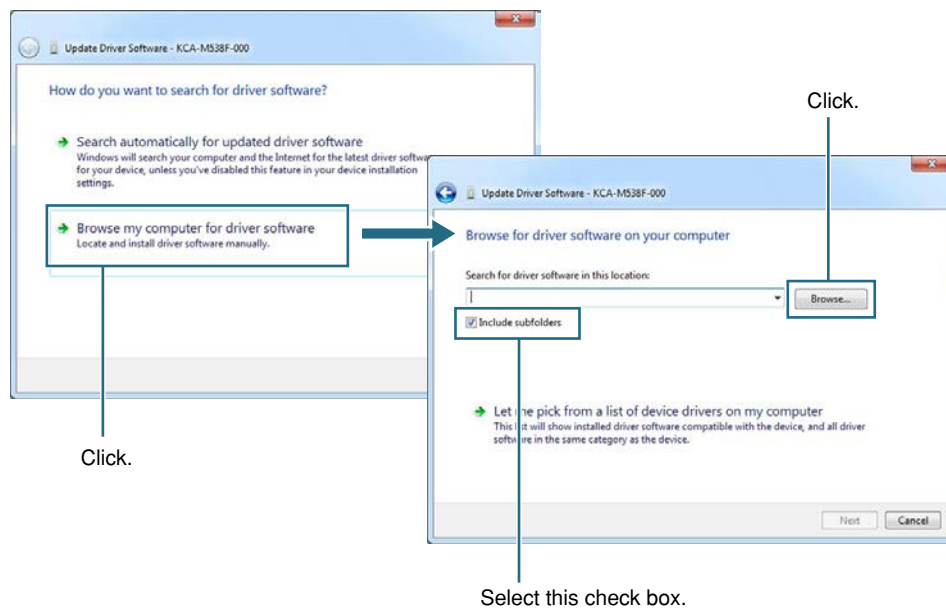


Step 4 Install the driver.

Double-click "KCA-M538F-000" in "Other devices".
Click the [Update Driver] button.

[Update Driver] button

Click "Browse my computer for driver software".
Select the "Includes subfolders" check box and click the [Browse] button.

"Update Driver Software" dialog box

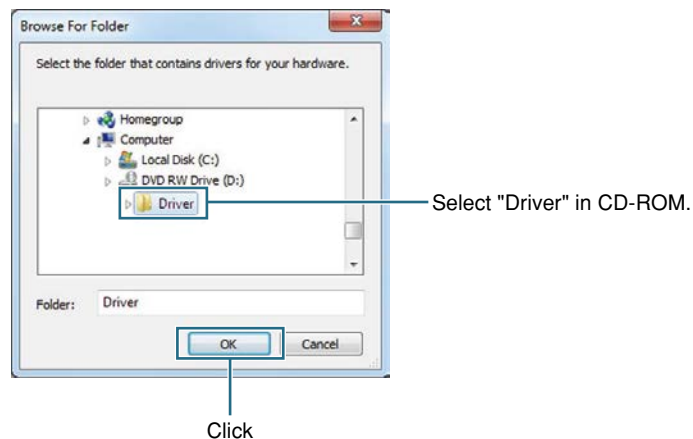
When the "Browse For Folder" dialog appears, select the "Driver" folder in the support software installation disc and click the [OK] button.



When you use the driver software for the USB cable that has been copied into the support software installation folder to install the driver software, select the support software installation folder and click the [OK] button.

For details about support software installation folders, see "2.1 USB cable applicable support software".

"Browse For Folder" dialog box



Click the [Next] button in the "Update Driver Software" dialog box.

The "Windows Security" dialog box appears.

Click "Install this driver software anyway".

The driver software will be installed.

Selecting "Install this driver software anyway"



Step 5 Finish installing the driver.

The message, "Windows has successfully updated your driver software", appears. Click the [Close] button to close the dialog box.

Close the "KCA-M538F Properties" dialog box.

Step 6 Install the driver for the USB serial port.

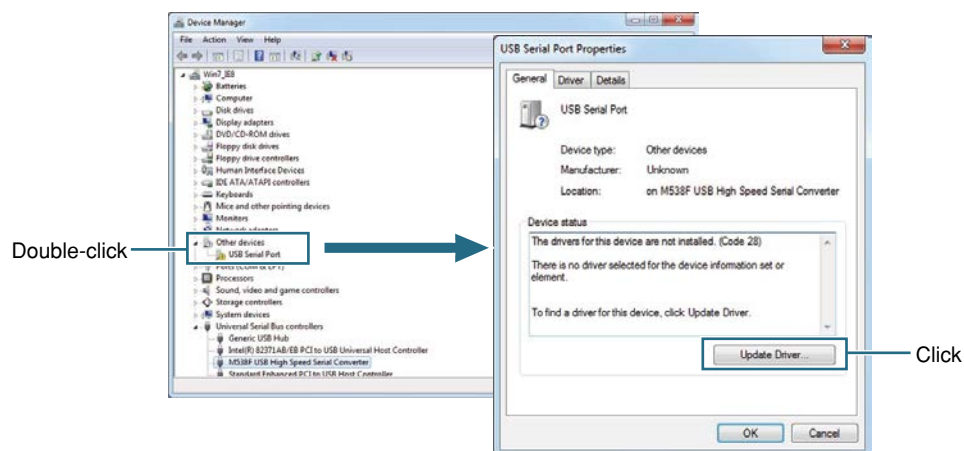
Installation of the driver for the USB serial port automatically begins and a message appears stating that the device driver software is being installed.

After a while, another message appears stating "Device driver software was not successfully installed".

Step 7 Install the driver.

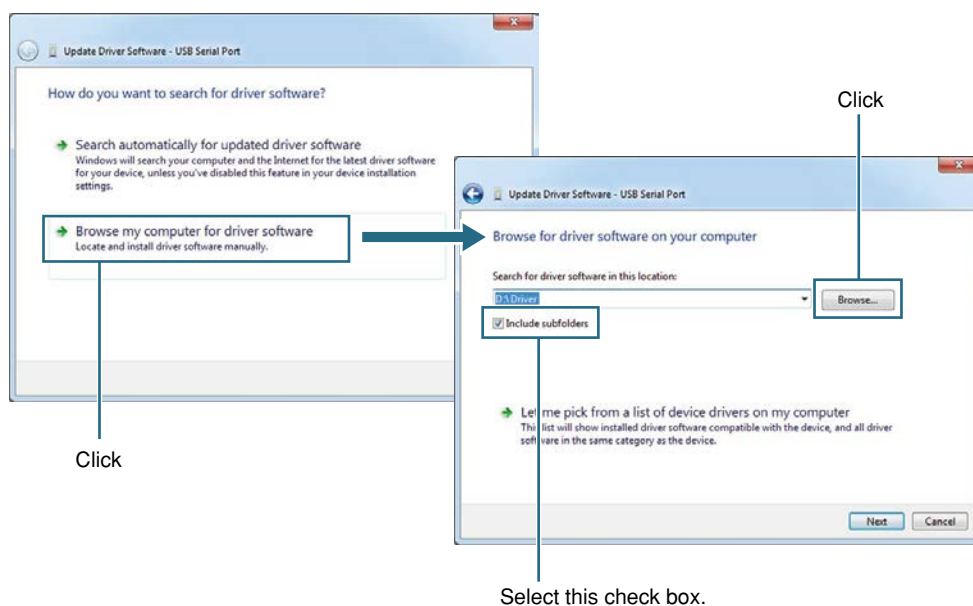
In Device Manager, double-click "USB Serial Port" under "Other devices" to open the "USB Serial Port Properties" dialog box.

Click the [Update Driver] button to open the "Update Driver Software" dialog box.

[Update Driver] button

Click "Browse my computer for driver software".

Select the "Includes subfolders" check box and click the [Browse] button.

"Update Driver Software" dialog box

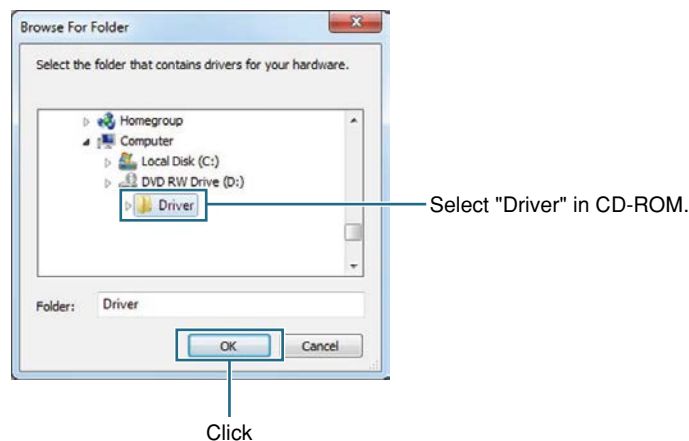
When the "Browse For Folder" dialog appears, select the "Driver" folder in the support software installation disc and click the [OK] button.



When you use the driver software for the USB cable that has been copied into the support software installation folder to install the driver software, select the support software installation folder and click the [OK] button.

For details about support software installation folders, see "2.1 USB cable applicable support software".

"Browse For Folder" dialog box



Click the [Next] button in the "Update Driver Software" dialog box.

The "Windows Security" dialog box appears.

Click "Install this driver software anyway".

The driver software will be installed.

Selecting "Install this driver software anyway"



Step 8 Finish installing the driver.

The message, "Windows has successfully updated your driver software", appears.

Click the [Close] button to close the dialog box.

Close "KCA-M538F USB Serial Port (COM □)".

Close the windows that are currently open, such as "Device Manager" window.

When you have installed the driver software for the USB cable from the support software installation disc, remove the support software installation disc from the CD-ROM drive.

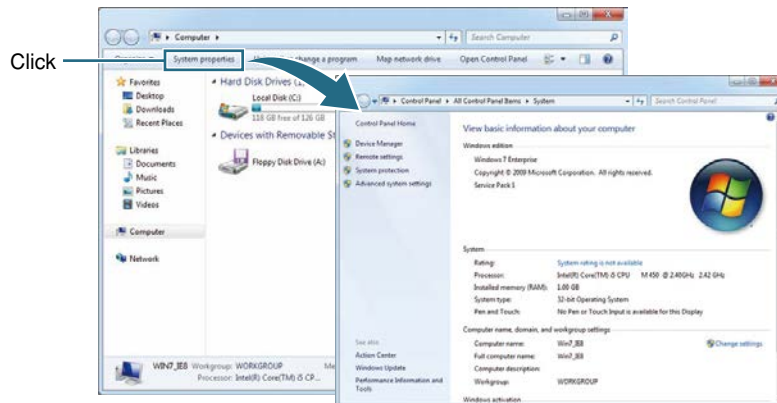
■ Checking the COM port

After installing the driver software, check the COM port number assigned to the USB serial port.

Step 1 Start "System Properties".

1. From the Start menu, select and click "Computer".
2. Click "System Properties".

System Properties



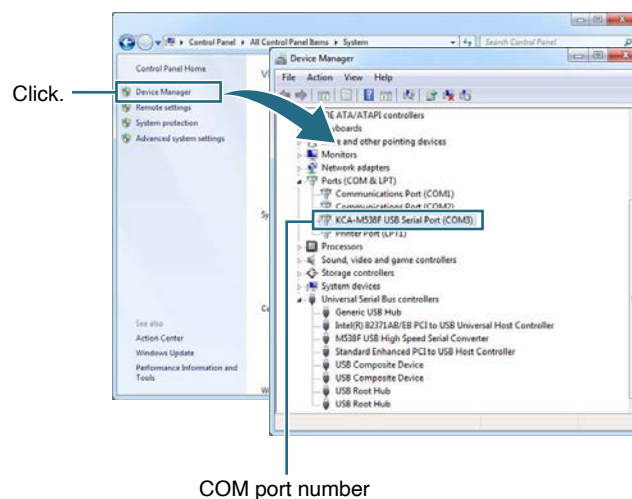
Step 2 Check the COM port number for the USB serial port.

1. Click "Device Manager".
2. Check the COM port number for "KCA-M538F USB Serial Port (COM 3)" which should be displayed under the "Ports (COM and LPT)" group.

Example) KCA-M538F USB Serial Port (COM3) → COM port number is "3".

Checking the COM port number

Example: For KCA-M538F USB Serial Port



Step 3 Close the Device Manager.

Click the  button to close the Device Manager.

2.6 Windows 8 / Windows 8.1

■ Installing the driver

First, install the driver for the USB cable.

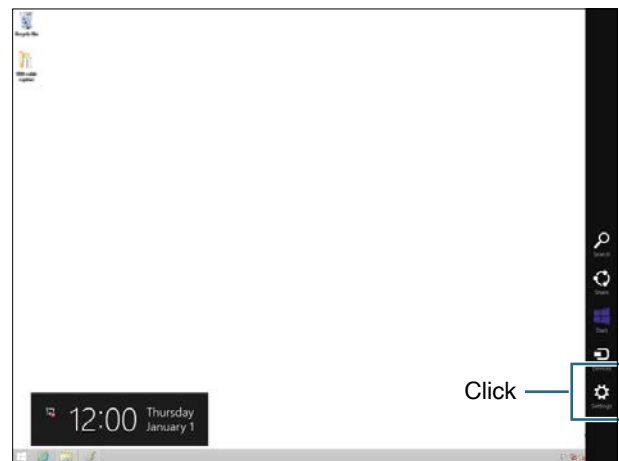
When using Windows 8/Windows 8.1, it is necessary to disable the driver signature enforcement.

The following describes how to install the driver by using operations with Windows 8.1 as an example.

Step 1 Start Windows and click [Settings] on the charm bar.

Move the mouse cursor to the upper right or lower right portion of the screen and click [Settings] on the charm bar.

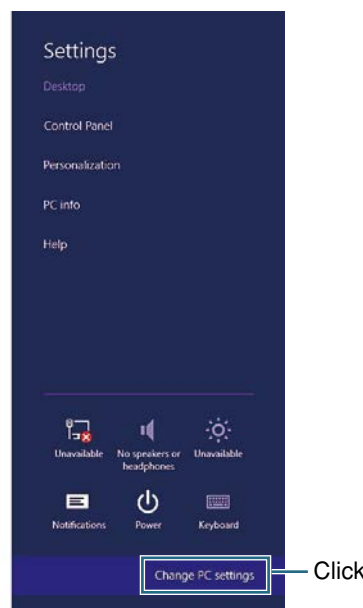
Charm bar



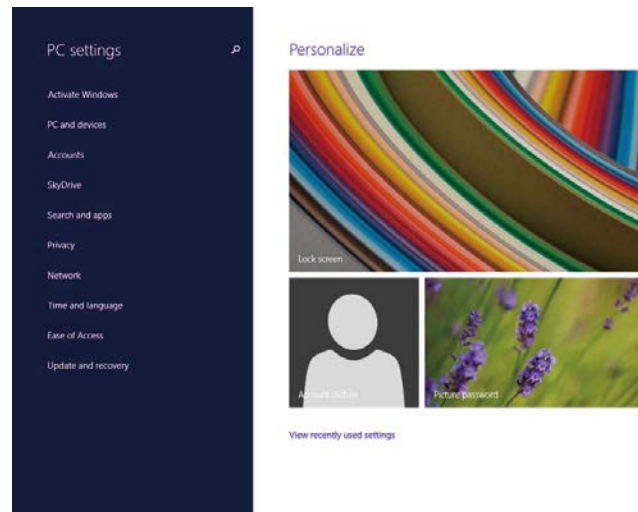
Step 2 Click [Change PC settings].

When clicking [Change PC settings] on the charm bar, the screen will change to the "PC settings" screen.

[Change PC settings] button



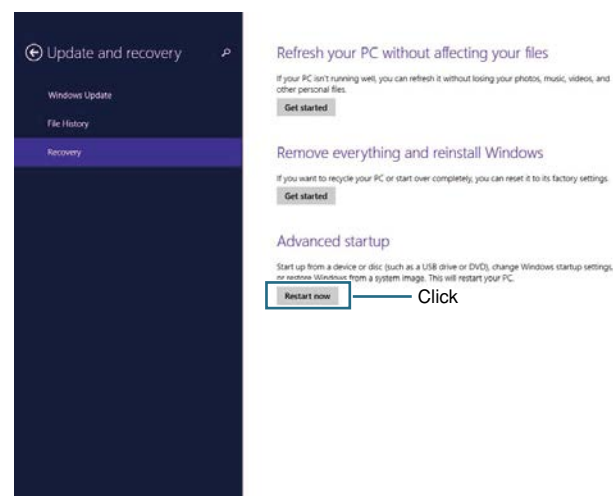
"PC settings"



Step 3 Click [Restart now] to restart the computer.

Select [Update and recovery] in "PC settings", click [Recovery], and then click [Restart now] in the "Advanced startup" area to restart the computer.

[Restart now] button

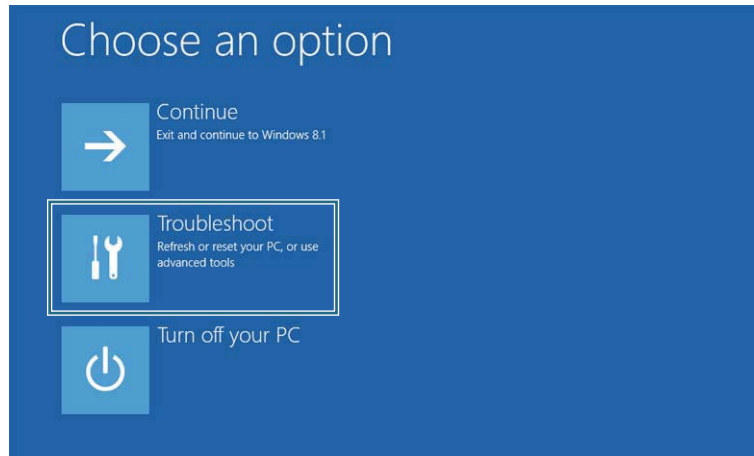


For Windows 8, the [Restart now] button is provided in the "Advanced startup" area that appears by clicking [PC settings] - [General].

Step 4 Click [Troubleshoot].

When the computer restarts, the "Choose an option" screen will appear. Click [Troubleshoot] on the "Choose an option" screen.

"Choose an option" screen



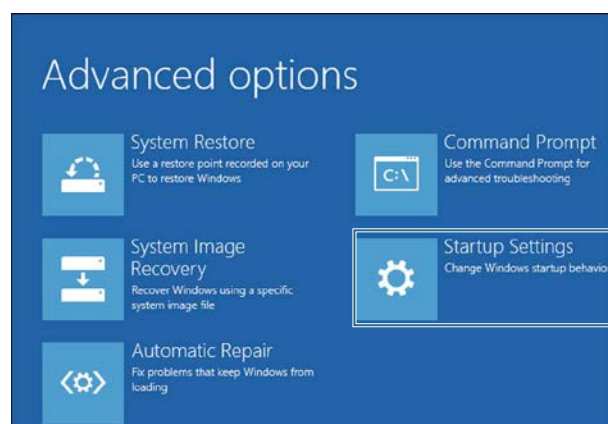
Step 5 Click [Startup Settings] on the "Advanced options" screen.

Click [Advanced options] on the "Troubleshoot" screen, and then click [Startup Settings].

"Troubleshoot" screen

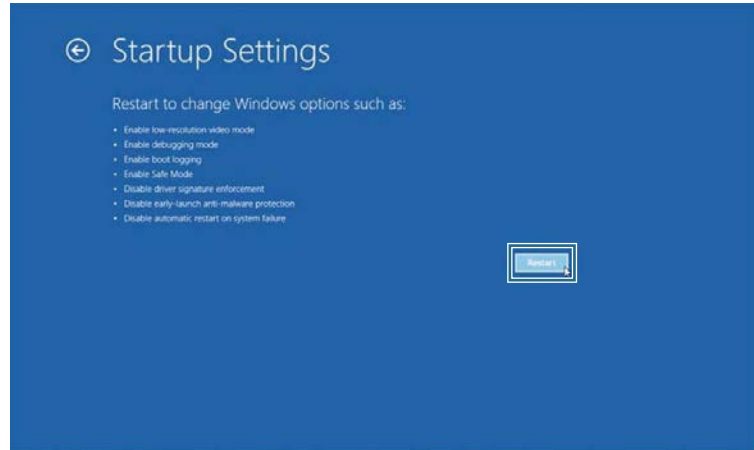


"Advanced options" screen

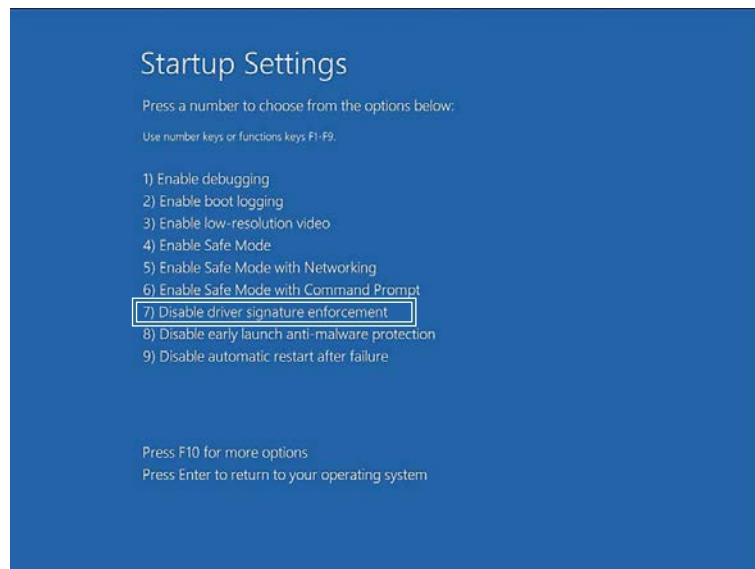


Step 6 Click [Restart].

Click [Restart] on the "Startup Settings" screen to restart the computer.

"Startup Settings" screen**Step 7** Disable the driver signature enforcement and start Windows.

When the computer restarts, the "Startup Settings" screen will appear. Press the [7] key on the keyboard to disable the driver signature enforcement, and then restart Windows.

"Startup Settings" screen (after restarting)

- Step 8** Insert the CD-ROM supplied with the USB cable into the CD-ROM drive.
When the setup program appears, click the [Exit] button to exit this program.



NOTE

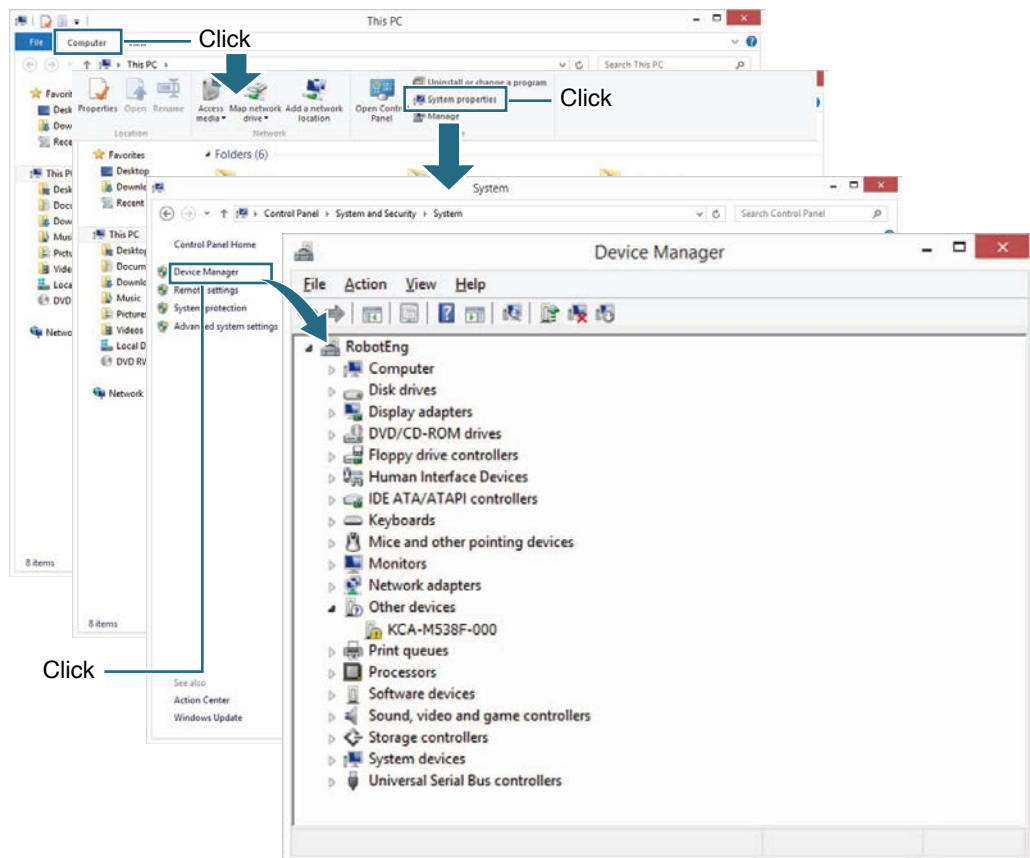
When installing the driver from the support software installation folder, it is not necessary to insert the support software installation disc.

- Step 9** Plug the USB cable into the USB port of your PC.

- Step 10** Display the "Device Manager" window.

1. Double-click [PC] on the desktop or Start menu.
2. Click [Computer] on the menu.
3. Click [System properties].
4. Click [Device Manager].

"Device Manager" window

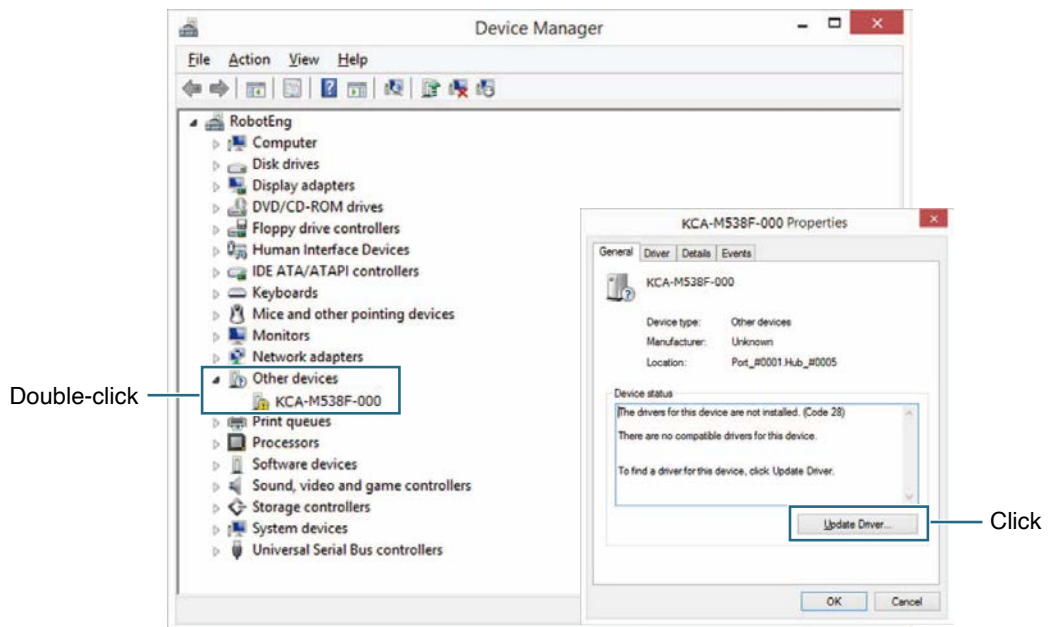


TIP

When using Windows 8, [PC] is presented as [Computer].

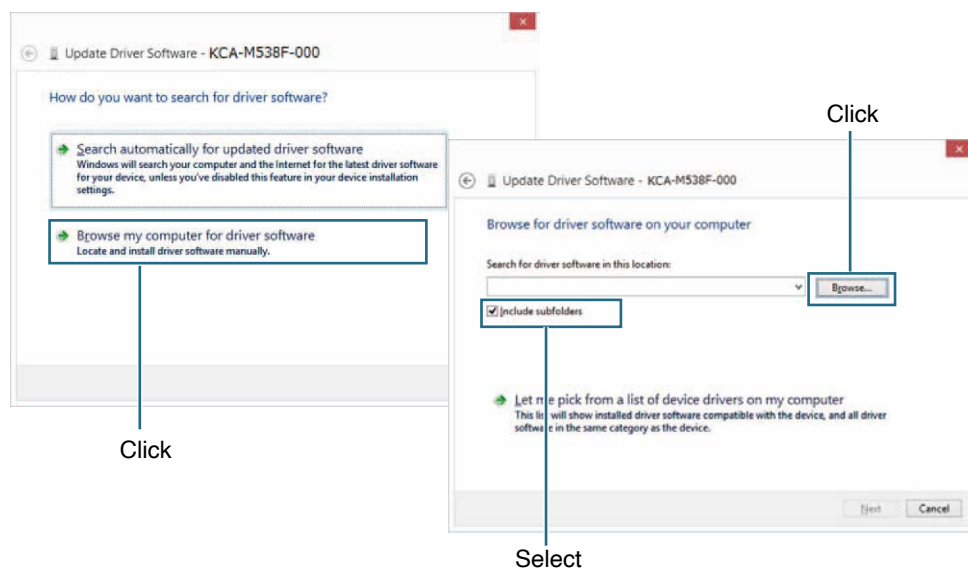
Step 11 Install the driver.

Double-click "KCA-M538F-000" in "Other devices".
Click the [Update Driver] button.

[Update Driver] button

Click "Browse my computer for driver software".

Select the "Includes subfolders" check box and click the [Browse...] button.

"Update Driver Software" window

When the "Browse For Folder" dialog appears, select the "Driver" folder in the support software installation disc and click the [OK] button.

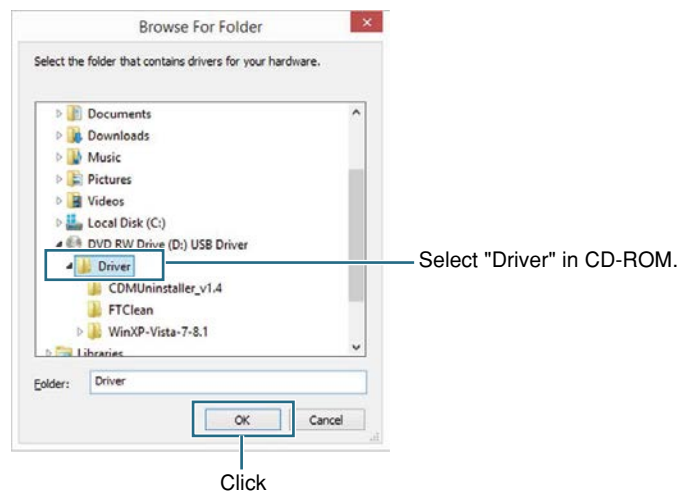


NOTE

When you use the driver software for the USB cable that has been copied into the support software installation folder to install the driver software, select the support software installation folder and click the [OK] button.

For details about support software installation folders, see "2.1 USB cable applicable support software".

"Browse For Folder" dialog box



When clicking [Next] in the "Update Driver Software" window, the "Windows Security" window will appear.

Click "Install this driver software anyway".

Selecting "Install this driver software anyway"



Step 12 Finish installing the driver.

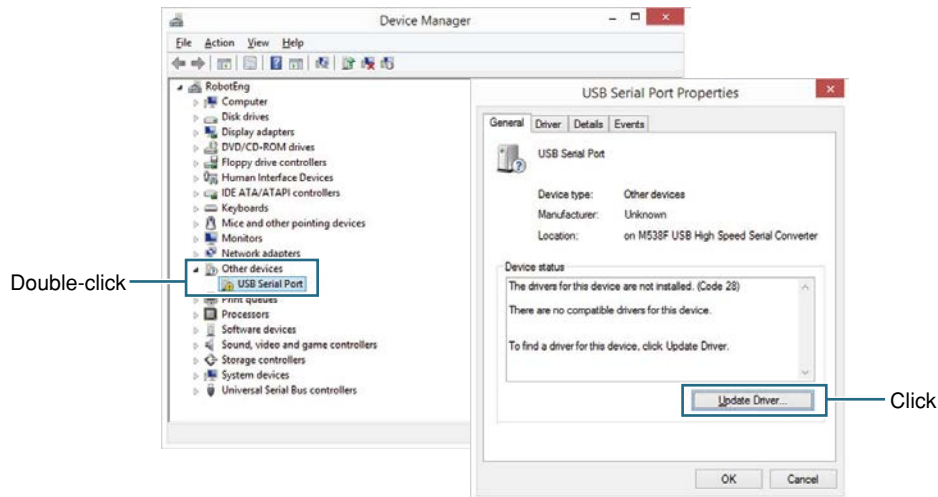
The message, "Windows has successfully updated your driver software", appears.

Click the [Close] button to close the dialog box.

Close the "KCA-M538F USB High Speed Serial Converter Properties" dialog box.

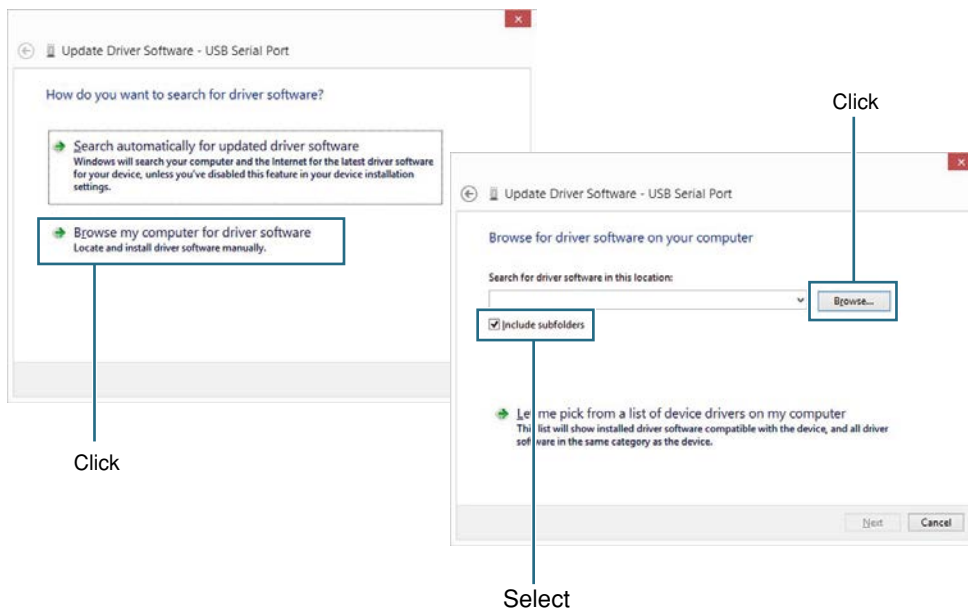
Step 13 Install the driver for the USB serial port.

Double-click "USB Serial Port" under [Other devices] in the "Device Manager" window, and then click the [Update Driver...] button.

[Update Driver] button

Click "Browse my computer for driver software".

Select the "Includes subfolders" check box and click the [Browse] button.

"Update Driver Software" dialog box

When the "Browse For Folder" dialog appears, select the "Driver" folder in the support software installation disc and click the [OK] button.

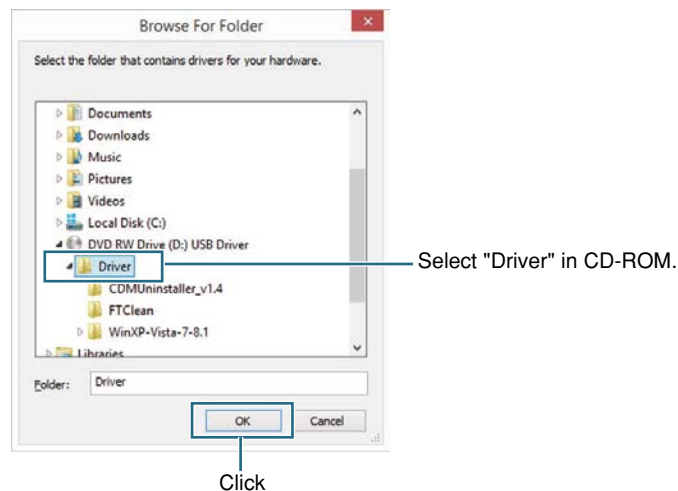


NOTE

When you use the driver software for the USB cable that has been copied into the support software installation folder to install the driver software, select the support software installation folder and click the [OK] button.

For details about support software installation folders, see "2.1 USB cable applicable support software".

"Browse For Folder" dialog box



When clicking [Next] in the "Update Driver Software" window, the "Windows Security" window will appear.

Click "Install this driver software anyway".

Selecting "Install this driver software anyway"



Step 14 Finish installing the driver.

The message, "Windows has successfully updated your driver software", appears.

Click the [Close] button to close the dialog box.

Close "KCA-M538F USB Serial Port (COM □)".

Close the windows that are currently open, such as "Device Manager" window.

When you have installed the driver software for the USB cable from the support software installation disc, eject the support software installation disc from the CD-ROM drive.

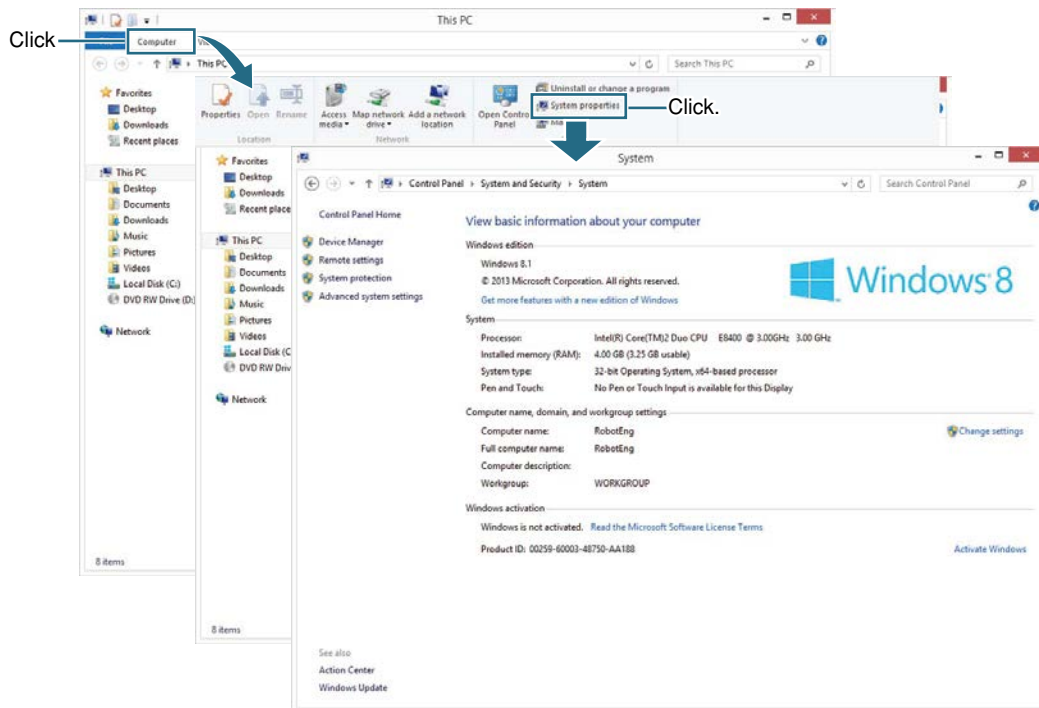
■ Checking the COM port

After installing the driver software, check the COM port number assigned to the USB serial port.

Step 1 Start "System Properties".

1. Double-click [PC] on the desktop or Start menu.
2. Click [Computer] on the menu.
3. Click [System Properties].

System Properties



TIP

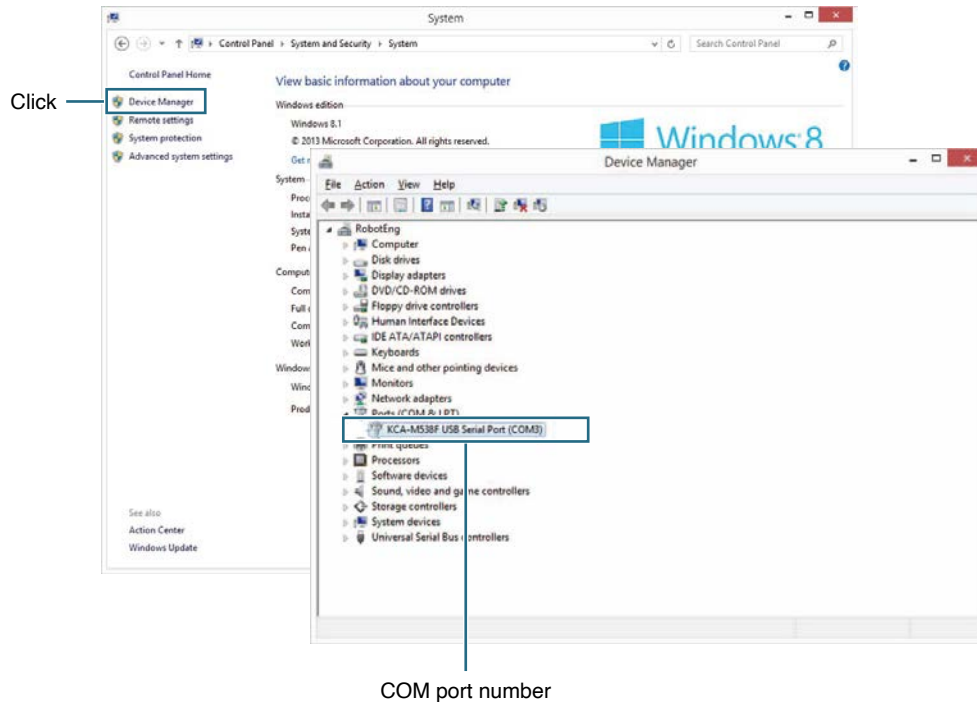
When using Windows 8, [PC] is presented as [Computer].

Step 2 Check the COM port number for the USB serial port.

1. Click [Device Manager].
2. Check the COM port number for "KCA-M538F USB Serial Port (COM)" which should be displayed under the "Ports (COM and LPT)" group.
Example) KCA-M538F USB Serial Port (COM3) → COM port number is "3".

Checking the COM port number

Example: For KCA-M538F USB Serial Port



Step 3 Close the "Device Manager" window.

- Click the  button to close the "Device Manager" window.

2.7 Windows 10

■ Installing the driver

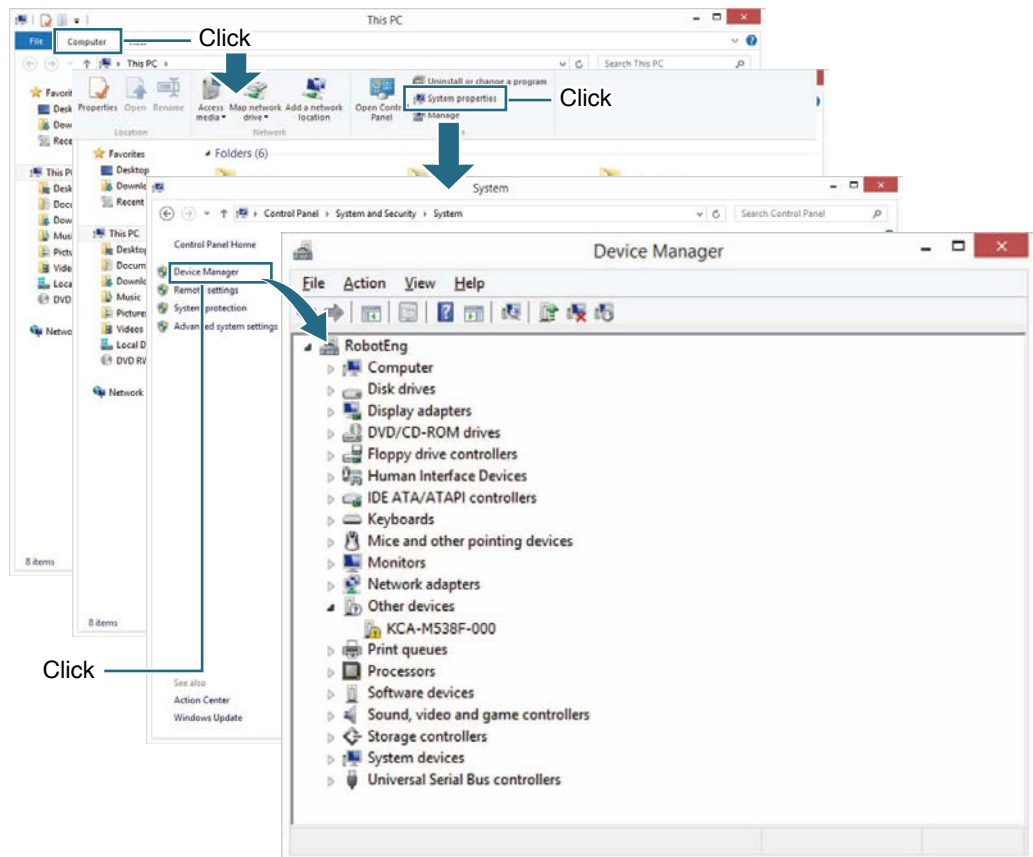
If the Windows10 (Version 1709 or later) is connected to the Internet, the USB driver is automatically installed when the cable is connected to the USB port.

Step 1 Plug the USB cable into the USB port of your PC.

Step 2 Display the "Device Manager" window.

1. Double-click [PC] on the desktop or Start menu.
2. Click [Computer] on the menu.
3. Click [System properties].
4. Click [Device Manager].

"Device Manager" window

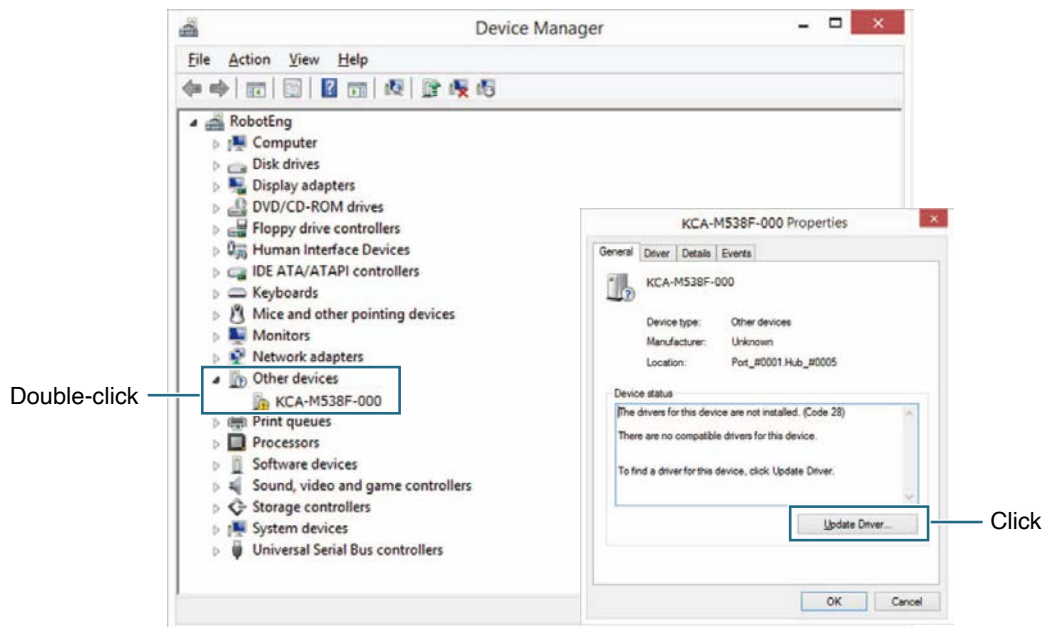


TIP

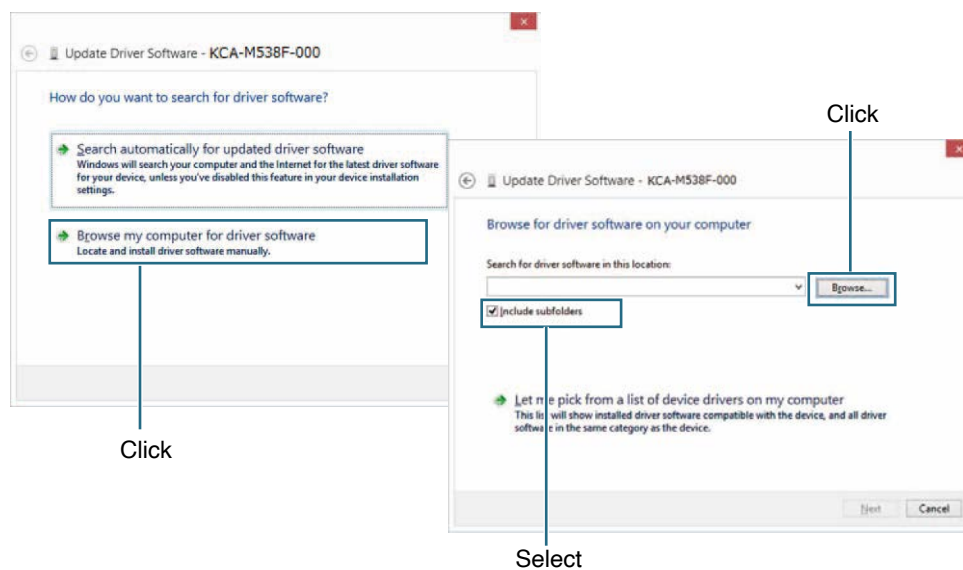
When using Windows 10, [PC] is presented as [Computer].

Step 3 Install the driver.

Double-click "KCA-M538F-000" in "Other devices".
Click the [Update Driver] button.

[Update Driver] button

Click "Browse my computer for driver software".
Select the "Includes subfolders" check box and click the [Browse...] button.

"Update Driver Software" window

When the "Browse For Folder" dialog appears, select the "Driver" folder in the decompressed disc and click the [OK] button.

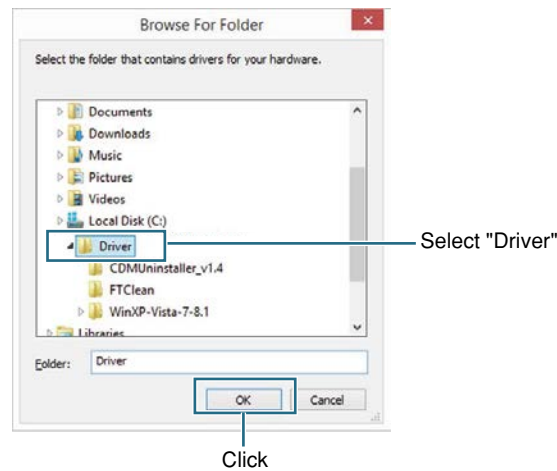


NOTE

When you use the driver software for the USB cable that has been copied into the support software installation folder to install the driver software, select the support software installation folder and click the [OK] button.

For details about support software installation folders, see "2.1 USB cable applicable support software".

"Browse For Folder" dialog box



Click [Next] in the "Update Driver Software" window.

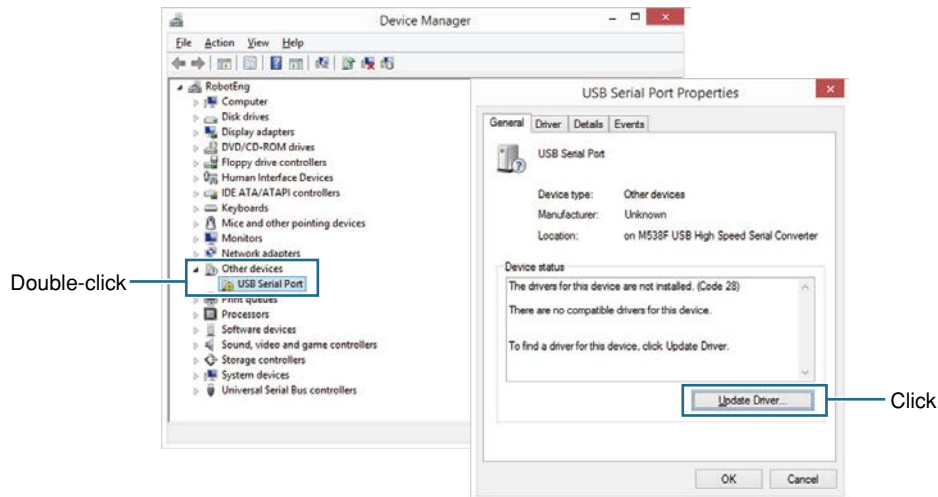
Step 4 Finish installing the driver.

The message, "Windows has successfully updated your driver software", appears. Click the [Close] button to close the dialog box.

Close the "KCA-M538F USB High Speed Serial Converter Properties" dialog box.

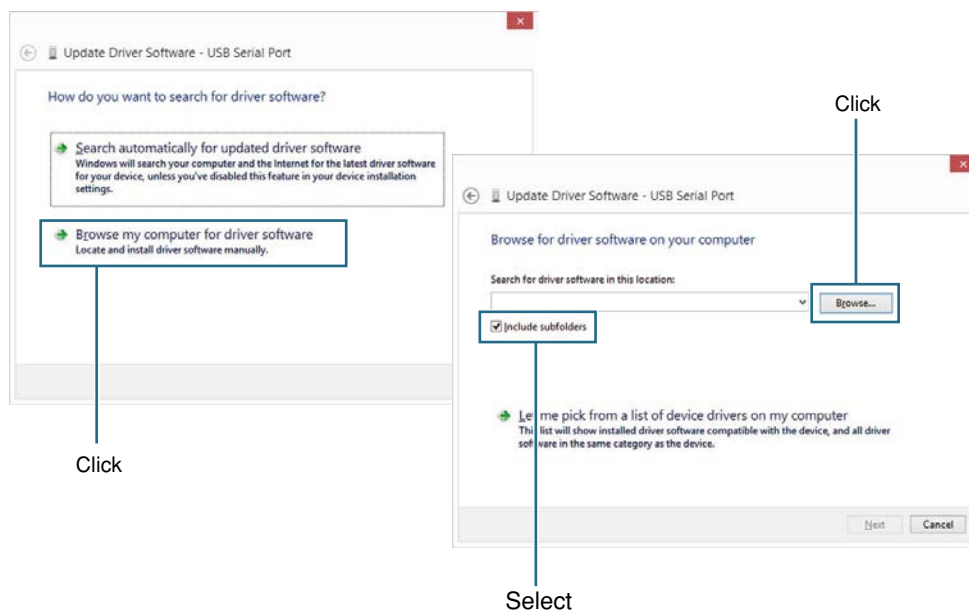
Step 5 Install the driver for the USB serial port.

Double-click "USB Serial Port" under [Other devices] in the "Device Manager" window, and then click the [Update Driver...] button.

[Update Driver] button

Click "Browse my computer for driver software".

Select the "Includes subfolders" check box and click the [Browse] button.

"Update Driver Software" dialog box

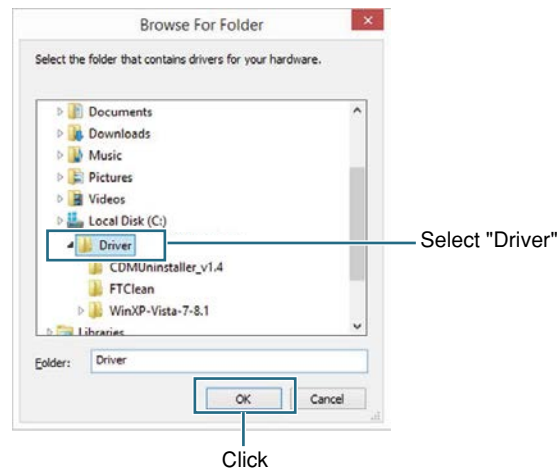
When the "Browse For Folder" dialog appears, select the "Driver" folder in the support software installation disc and click the [OK] button.



When you use the driver software for the USB cable that has been copied into the support software installation folder to install the driver software, select the support software installation folder and click the [OK] button.

For details about support software installation folders, see "2.1 USB cable applicable support software".

"Browse For Folder" dialog box



Click [Next] in the "Update Driver Software" window.

Step 6 Finish installing the driver.

The message, "Windows has successfully updated your driver software", appears. Click the [Close] button to close the dialog box.

Close "KCA-M538F USB Serial Port (COM ☐)".

Close the windows that are currently open, such as "Device Manager" window.

When you have installed the driver software for the USB cable from the support software installation disc, eject the support software installation disc from the CD-ROM drive.

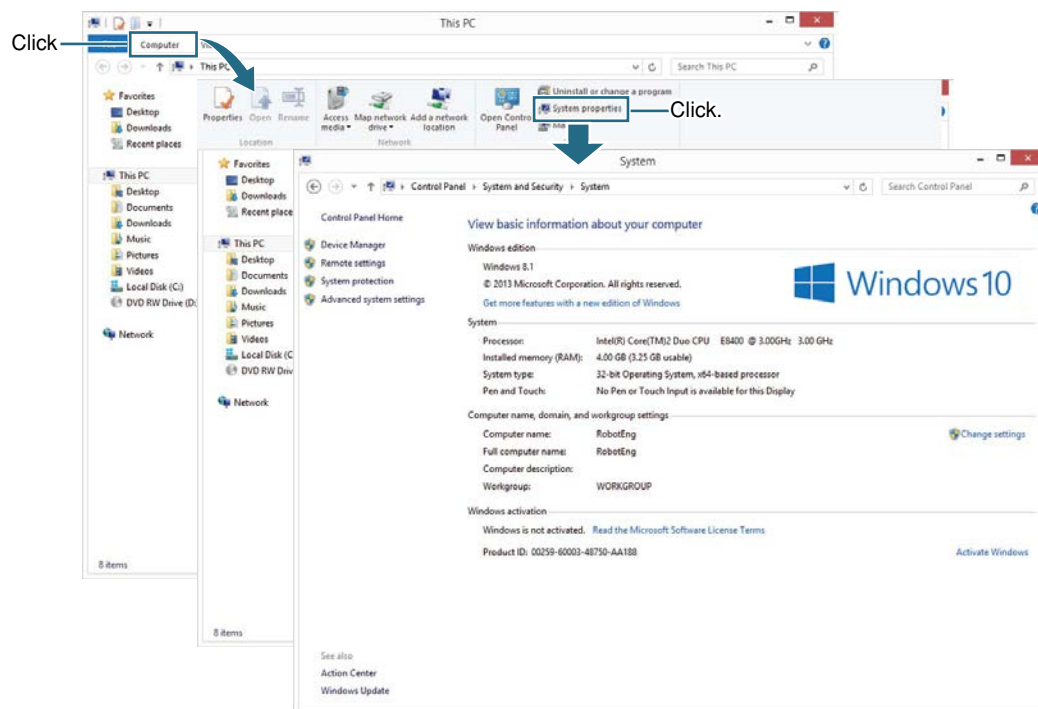
■ Checking the COM port

After installing the driver software, check the COM port number assigned to the USB serial port.

Step 1 Start "System Properties".

1. Double-click [PC] on the desktop or Start menu.
2. Click [Computer] on the menu.
3. Click [System Properties].

System Properties



TIP

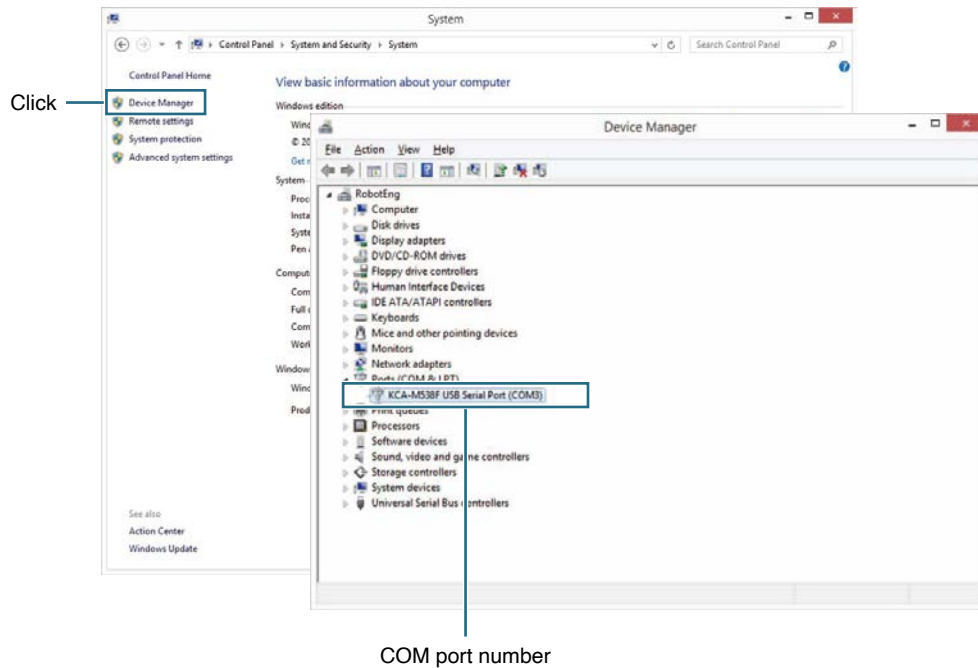
When using Windows 10, [PC] is presented as [Computer].

Step 2 Check the COM port number for the USB serial port.

1. Click [Device Manager].
2. Check the COM port number for "KCA-M538F USB Serial Port (COM)" which should be displayed under the "Ports (COM and LPT)" group.
Example) KCA-M538F USB Serial Port (COM3) → COM port number is "3".

Checking the COM port number

Example: For KCA-M538F USB Serial Port

**Step 3** Close the "Device Manager" window.

- Click the  button to close the "Device Manager" window.

2.8 Windows 11

■ Installing the driver

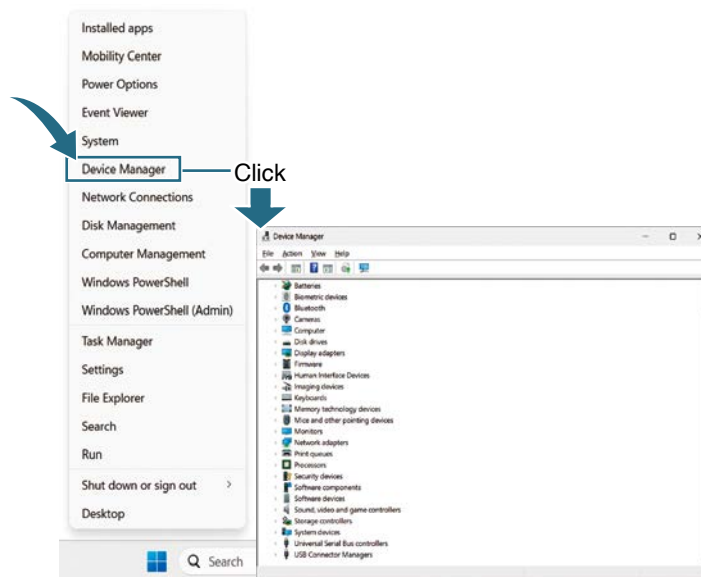
If the Windows 11 is connected to the Internet, the USB driver is automatically installed when the cable is connected to the USB port.

Step 1 Plug the USB cable into the USB port of your PC.

Step 2 Display the "Device Manager" window.

Right-click "Start" and click "Device Manager" from the list that appears.

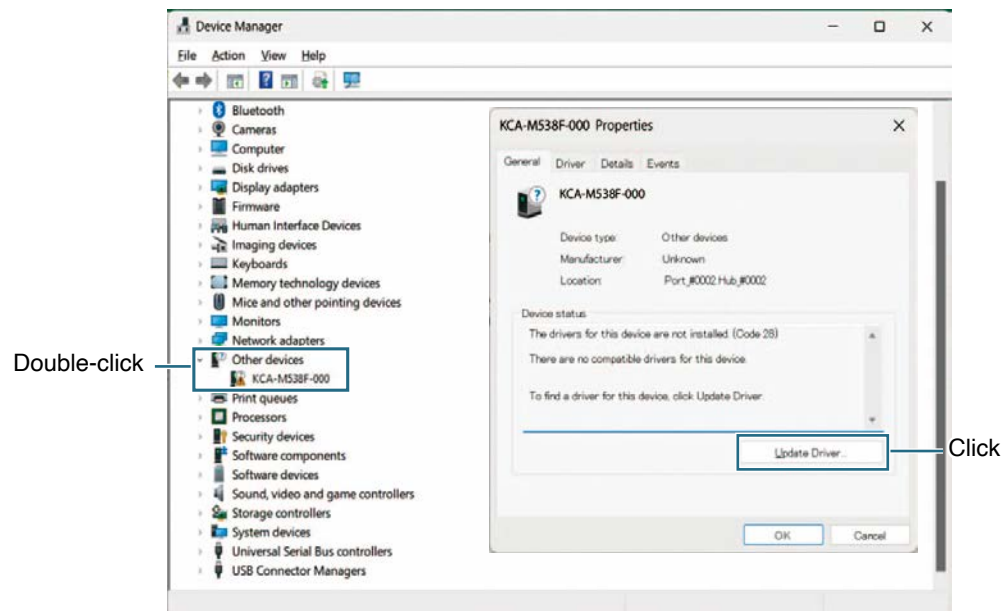
"Device Manager" window



Step 3 Install the driver.

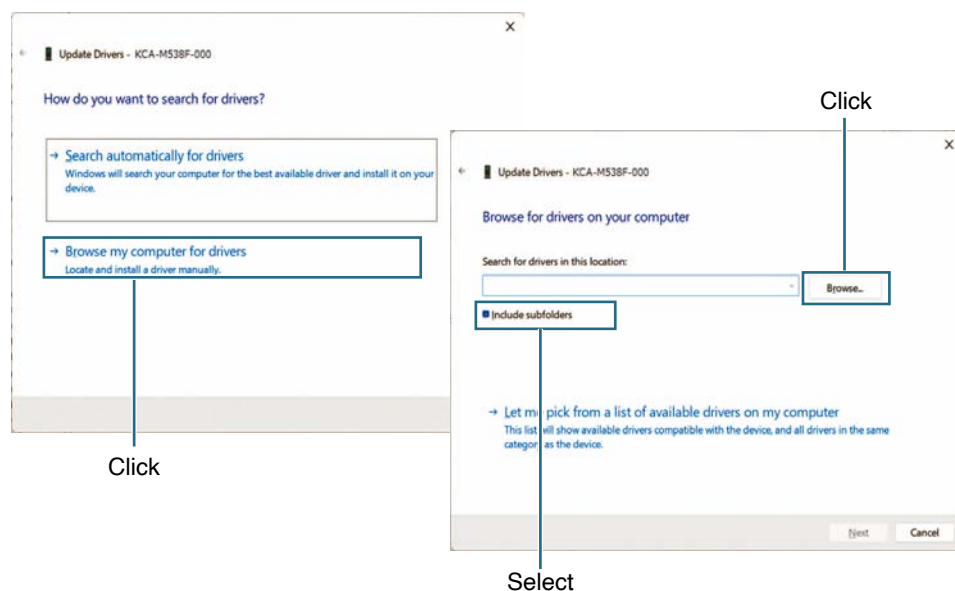
Double-click "KCA-M538F-000" in "Other devices".

Click the [Update Driver] button.

[Update Driver] button

Click "Browse my computer for drivers".

Select the "Includes subfolders" check box and click the [Browse...] button.

"Update Drivers" window

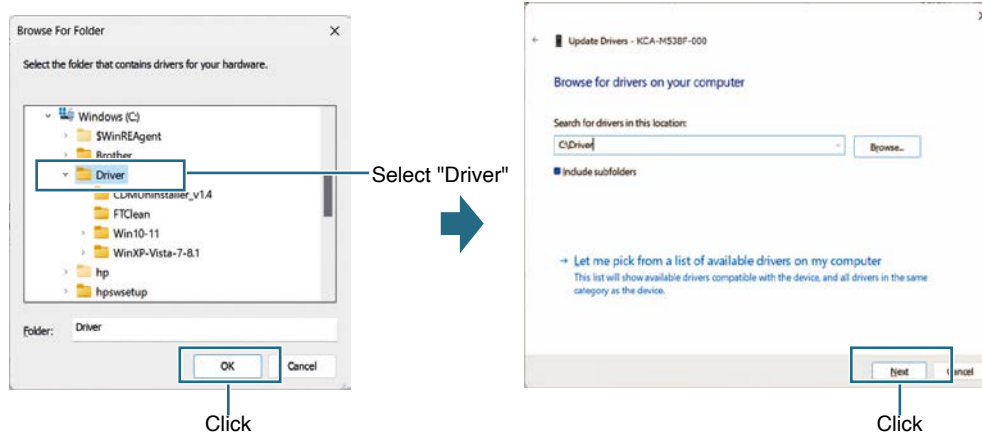
When the "Browse For Folder" dialog appears, select the "Driver" folder in the decompressed disc and click the [OK] button.



When you use the driver software for the USB cable that has been copied into the support software installation folder to install the driver software, select the support software installation folder and click the [OK] button.

For details about support software installation folders, see "2.1 USB cable applicable support software".

"Browse For Folder" dialog box



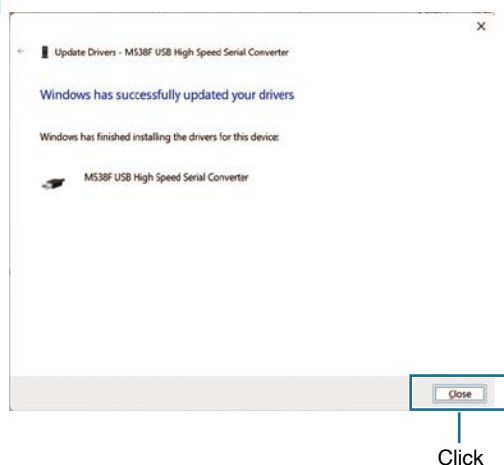
Click [Next] in the "Update Drivers" window.

Step 4 Finish installing the driver.

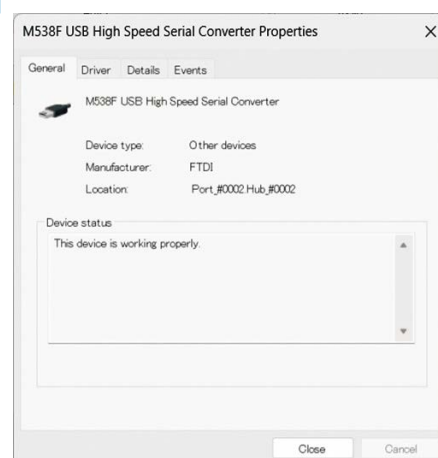
The message, "Windows has successfully updated your drivers", appears. Click the [Close] button to close the dialog box.

Close the "M538F USB High Speed Serial Converter Properties" dialog box.

Update Drivers

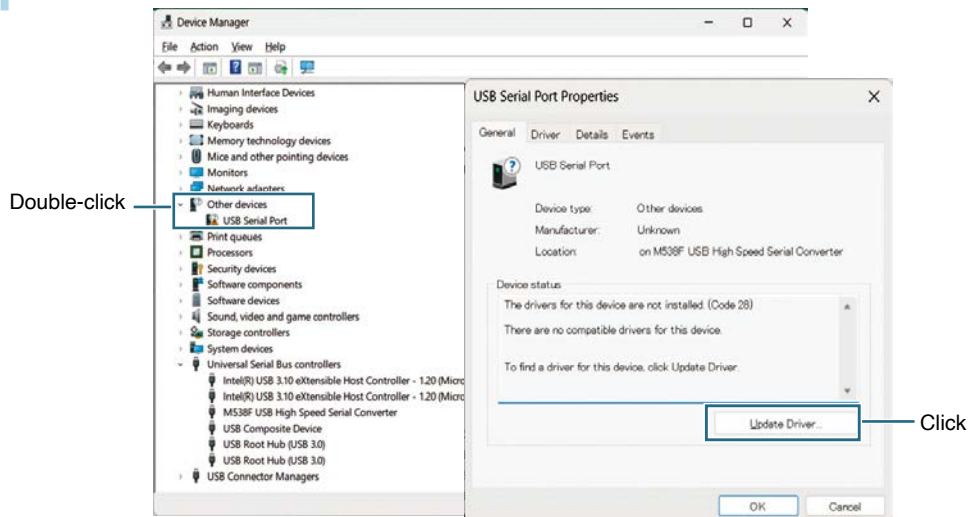


Drivers Properties



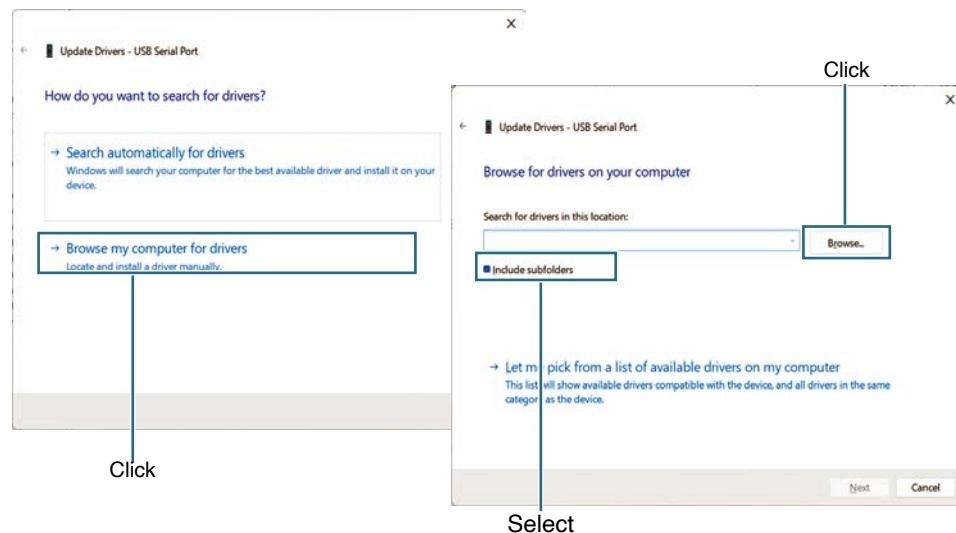
Step 5 Install the driver for the USB serial port.

Double-click "USB Serial Port" under [Other devices] in the "Device Manager" window, and then click the [Update Driver...] button.

[Update Driver] button

Click "Browse my computer for drivers".

Select the "Includes subfolders" check box and click the [Browse] button.

"Update Drivers" dialog box

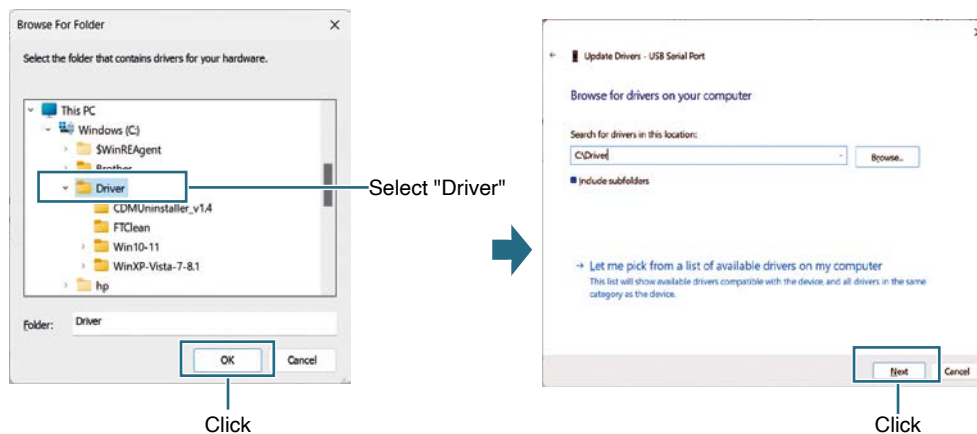
When the "Browse For Folder" dialog appears, select the "Driver" folder in the support software installation disc and click the [OK] button.



When you use the driver software for the USB cable that has been copied into the support software installation folder to install the driver software, select the support software installation folder and click the [OK] button.

For details about support software installation folders, see "2.1 USB cable applicable support software".

"Browse For Folder" dialog box



Click [Next] in the "Update Drivers" window.

Step 6 Finish installing the driver.

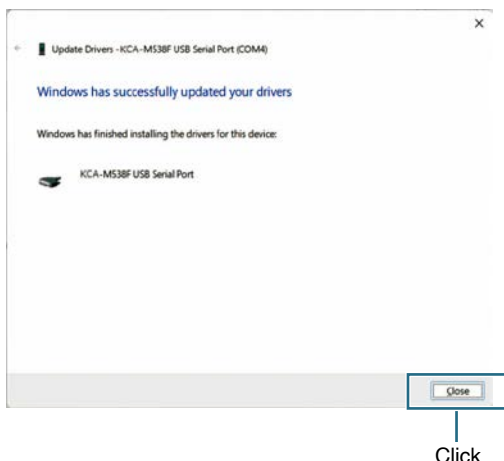
The message, "Windows has successfully updated your drivers", appears. Click the [Close] button to close the dialog box.

Close "KCA-M538F USB Serial Port (COM □)".

Close the windows that are currently open, such as "Device Manager" window.

When you have installed the driver software for the USB cable from the support software installation disc, eject the support software installation disc from the CD-ROM drive.

Update Drivers



Drivers Properties



■ Checking the COM port

After installing the driver software, check the COM port number assigned to the USB serial port.

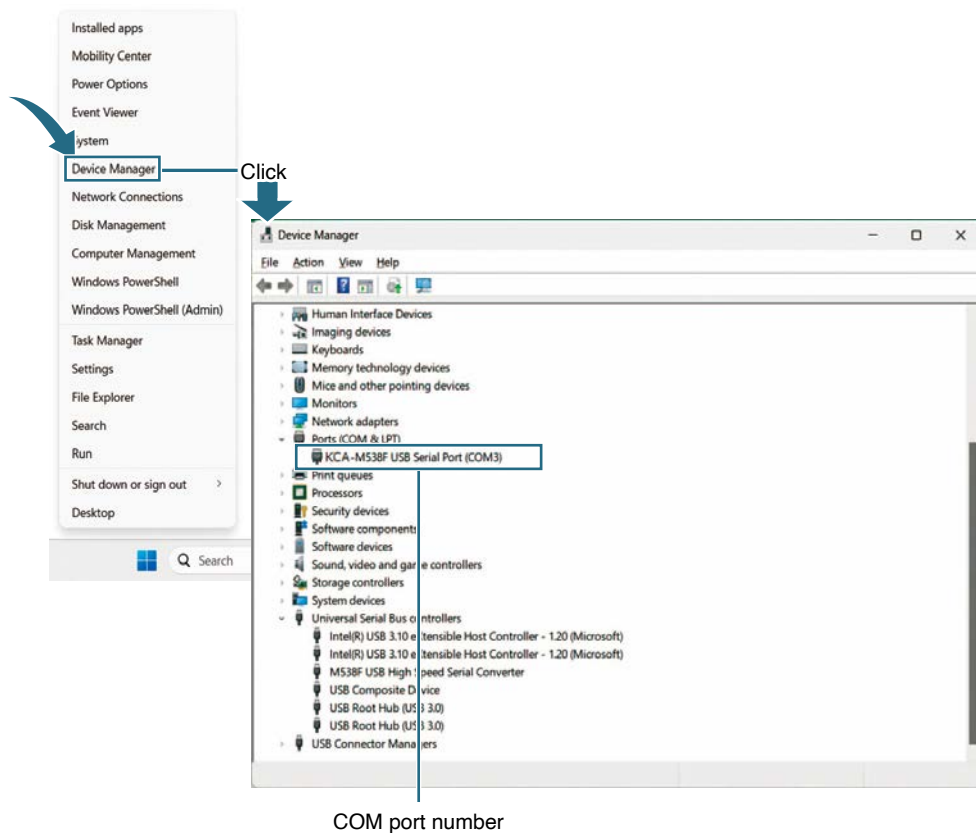
Step 1 Check the COM port number for the USB serial port.

1. Right-click "Start" and click "Device Manager" from the list that appears.
2. Check the COM port number for "KCA-M538F USB Serial Port (COM)" which should be displayed under the "Ports (COM and LPT)" group.

Example)

KCA-M538F USB Serial Port (COM3) → COM port number is 3.

System Properties



Step 2 Close the "Device Manager" window.

Click the  button to close the "Device Manager" window.

3. Uninstalling the driver software

3.1 Windows 2000/XP

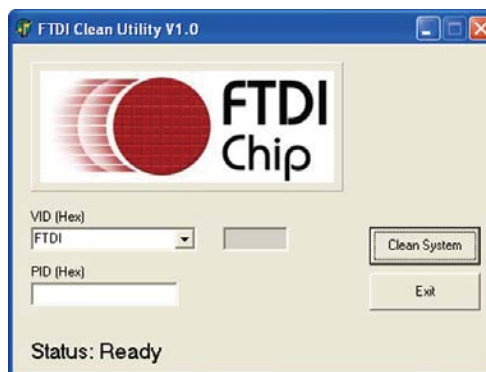
When the driver software installation failed or was interrupted, it should be uninstalled. After uninstalling the driver software, reinstall it from the beginning.

Step 1 Start the FTDI Clean Utility.

Start Windows and insert the support software installation disc into the CD-ROM drive of your PC.

Open "My Computer" – "CD-ROM" – "FTClean". Then double-click "FTClean.exe" in the "FTClean" folder. The "FTDI Clean Utility" will start.

FTDI Clean Utility

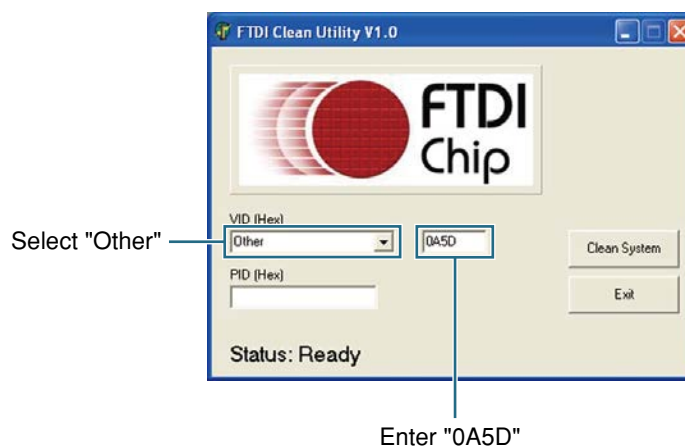


The setup program might appear after inserting the CD-ROM. In this case, click the [Exit] button to end the program.

Step 2 Execute uninstallation.

1. From the "VID (Hex)" drop-down list, select "Other".
2. Enter "0A5D" from the keyboard and click the [Clean System] button.

Select "Other" and enter "0A5D"



Step 3 Check that the USB cable is disconnected.

When "Information" appears, check that the USB cable is removed from the PC and click the [OK] button.

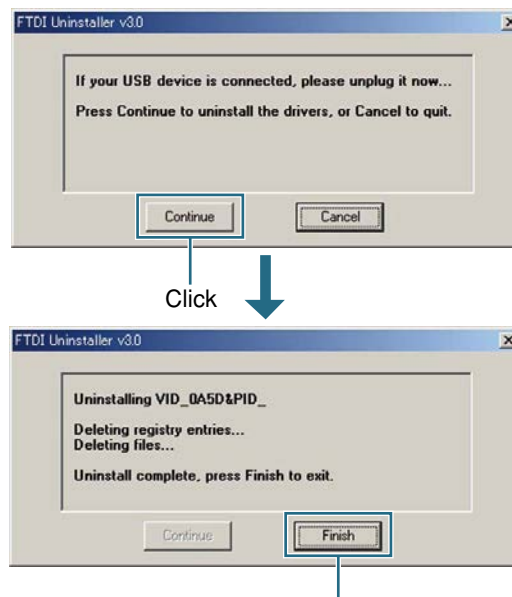
Step 4 Check for uninstallation.

When the confirmation dialog box appears, click the [Yes] button.

Another confirmation dialog box then appears. Click the [No] button.

If the following dialog box appears during uninstallation, click the [Continue] button.

When uninstallation is complete, the right-hand button changes to the [Finish] button, so click it.

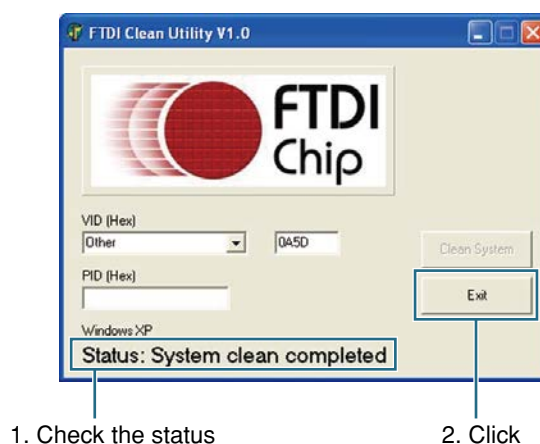
Confirmation dialog box

When uninstallation is complete this button changes to [Finish], so click it.

Step 5 Exit the uninstallation utility.

When uninstallation is complete, the "FTDI Clean Utility" dialog box appears again.

Check that the message "Status: System clean completed" is displayed and then click the [Exit] button.

FTDI Clean Utility

3.2 Windows Vista

When the driver software installation failed or was interrupted, it should be uninstalled. After uninstalling the driver software, reinstall it from the beginning.

Step 1 Display the Device Manager.

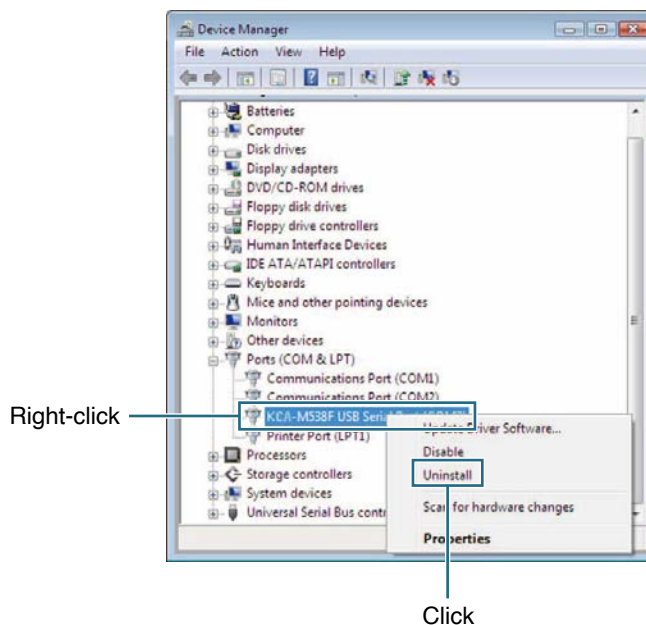
Plug this product (USB cable) into the USB port.

Click on "Computer", select "System Properties", and click "Device Manager" to open it.

Step 2 Remove the serial port.

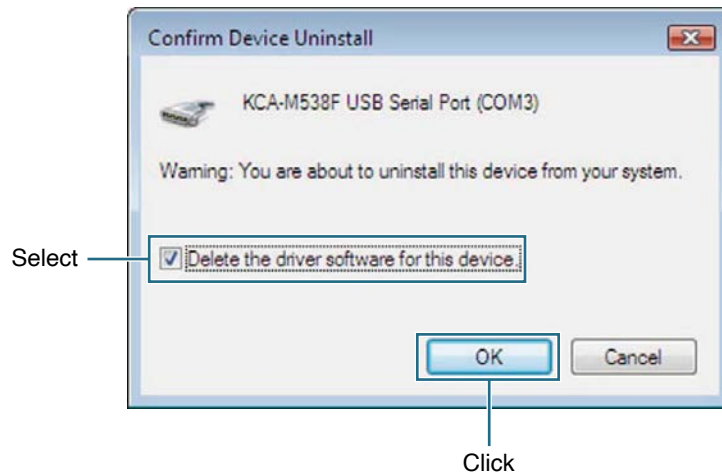
Right-click on "KCA-M538F USB Serial Port (COM □)" displayed under the "Ports (COM and LPT)" group, and select "Uninstall" from the right-click menu.

Removing USB serial port

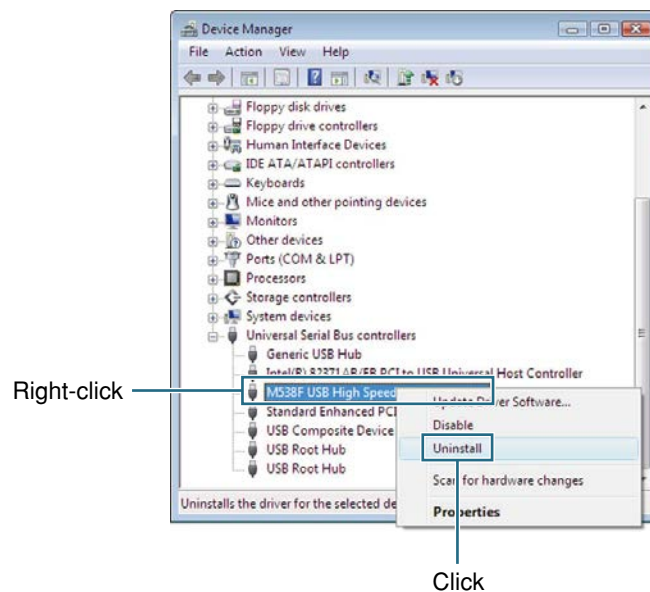


Step 3 Uninstall the driver software.

When the "Confirm Device Uninstall" dialog box appears, select the "Delete the driver software for this device" check box and click [OK].

"Confirm Device Uninstall" dialog box**Step 4** Delete the "Universal Serial Bus controller".

Right-click on "M538F USB High Speed Serial Converter" displayed under the "Universal Serial Bus controllers" group, and select "Uninstall" from the right-click menu.

Deleting the "Universal Serial Bus controller"

Step 5 Uninstall the driver software.

When the "Confirm Device Uninstall" dialog box appears, select the "Delete the driver software for this device" check box and click [OK].

After uninstalling, click the  button close the Device Manager.

"Confirm Device Uninstall" dialog box



3.3 Windows 7

When the driver software installation failed or was interrupted, it should be uninstalled. After uninstalling the driver software, reinstall it from the beginning.

Step 1 Display the Device Manager.

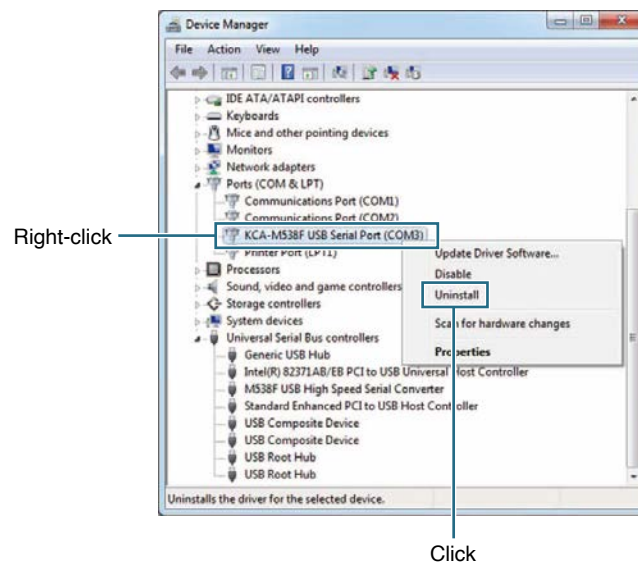
Plug this product (USB cable) into the USB port.

Click on "Computer", select "System Properties", and click "Device Manager" to open it.

Step 2 Remove the serial port.

Right-click on "KCA-M538F USB Serial Port (COM3)" displayed under the "Ports (COM and LPT)" group, and select "Uninstall" from the right-click menu.

Removing USB serial port



Step 3 Uninstall the driver software.

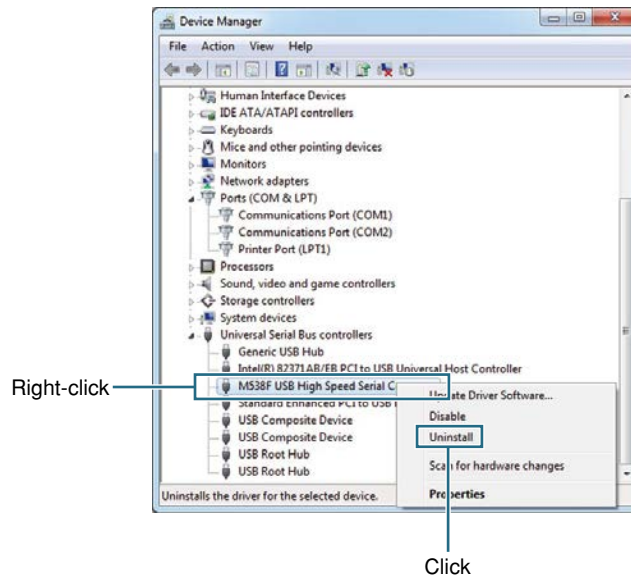
When the "Confirm Device Uninstall" dialog box appears, select the "Delete the driver software for this device" check box and click [OK].

"Confirm Device Uninstall" dialog box



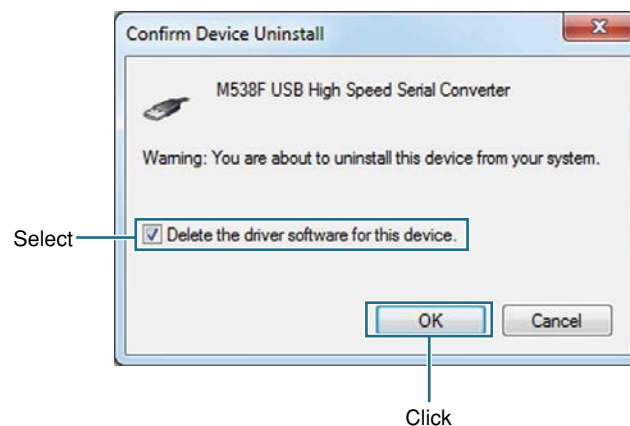
Step 4 Delete the "Universal Serial Bus controller".

Right-click on "M538F USB High Speed Serial Converter" displayed under the "Universal Serial Bus controllers" group, and select "Uninstall" from the right-click menu.

Deleting the "Universal Serial Bus controller"**Step 5** Uninstall the driver software.

When the "Confirm Device Uninstall" dialog box appears, select the "Delete the driver software for this device" check box and click [OK].

After uninstalling, click the  button to close the Device Manager.

"Confirm Device Uninstall" dialog box

3.4 Windows 8/Windows 8.1

If it is interrupted or failed to install the driver software, uninstall it.

After the driver software has been uninstalled, install the driver software again.

The following describes how to uninstall the driver by using operations with Windows 8.1 as an example.

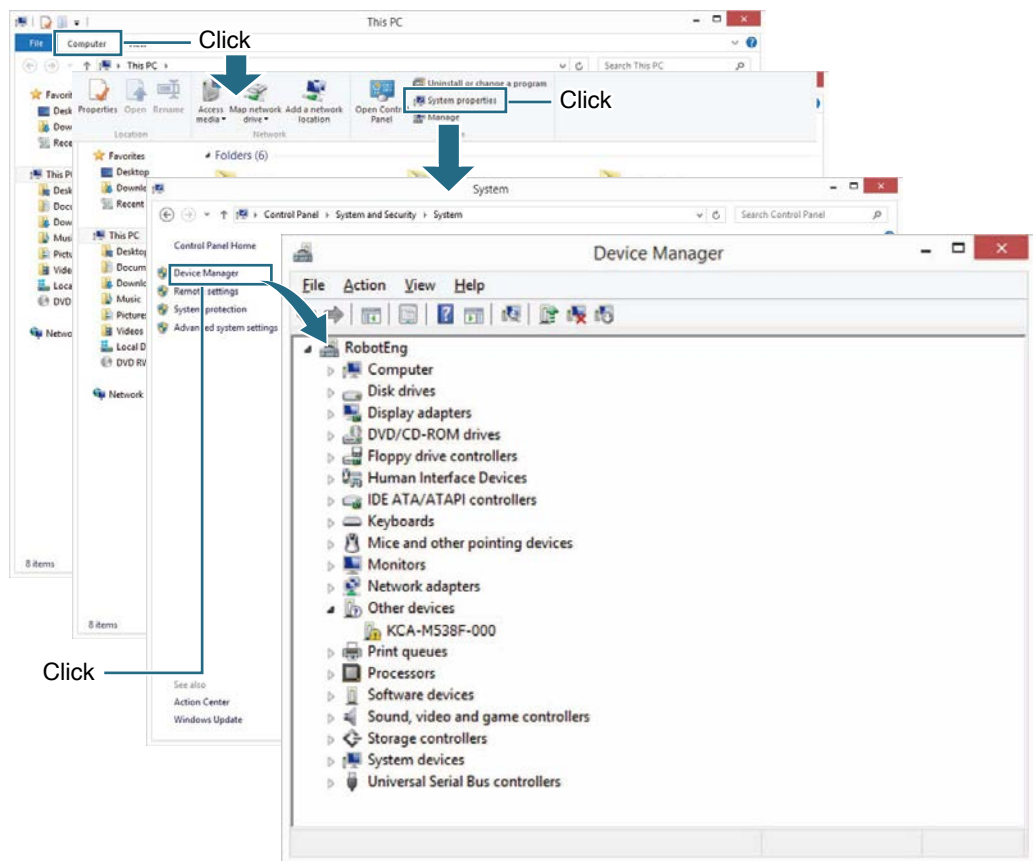
Step 1 Display the "Device Manager" window.

Plug this product into the USB port of your PC.

Double-click [PC] on the desktop or Start menu.

Click [Computer] - [System properties] from the menu, and start "Device Manager".

"Device Manager" window

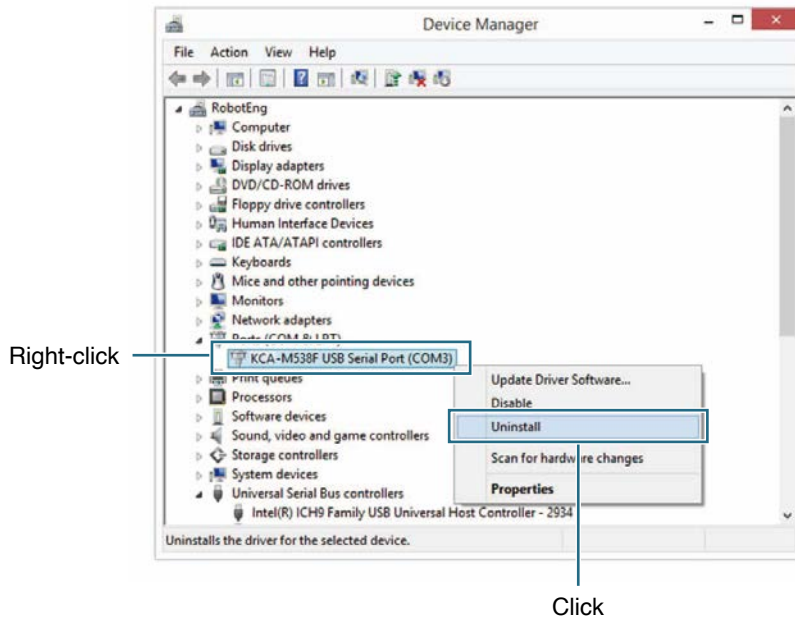


When using Windows 8, [PC] is presented as [Computer].

Step 2 Delete the USB serial port.

Right-click on "KCA-M538F USB Serial Port (COM 3)" displayed under the "Ports (COM and LPT)" group, and select "Uninstall" from the right-click menu.

Deleting USB serial port



Step 3 Uninstall the driver software.

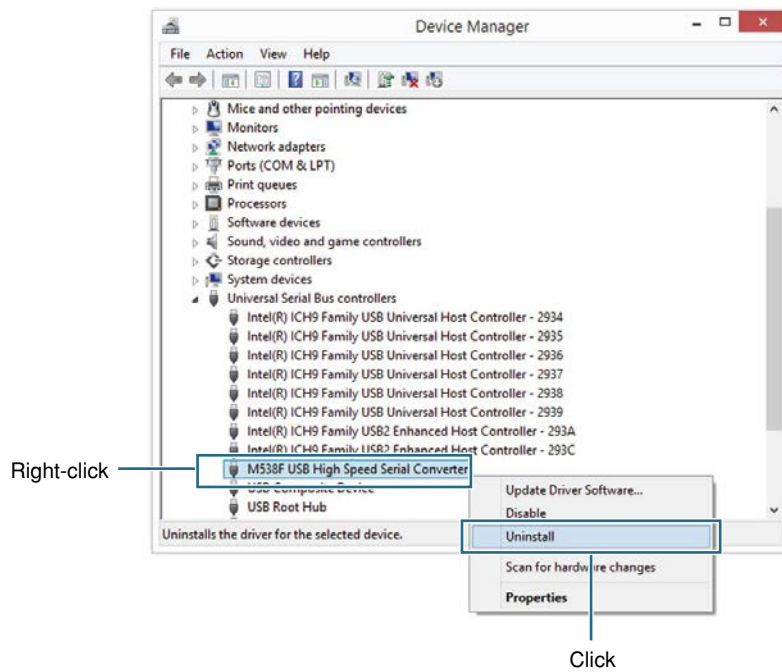
When the "Confirm Device Uninstall" dialog box appears, select the "Delete the driver software for this device" check box and click [OK].

"Confirm Device Uninstall" dialog box



Step 4 Delete the "Universal Serial Bus controller".

Right-click on "M538F USB High Speed Serial Converter" displayed under the "Universal Serial Bus controllers" group, and select "Uninstall" from the right-click menu.

Deleting the "Universal Serial Bus controller"**Step 5** Uninstall the driver software.

When the "Confirm Device Uninstall" dialog box appears, select the "Delete the driver software for this device" check box and click [OK].

After uninstalling, click the  button to close the Device Manager.

"Confirm Device Uninstall" dialog box

3.5 Windows 10

If it is interrupted or failed to install the driver software, uninstall it.

After the driver software has been uninstalled, install the driver software again.

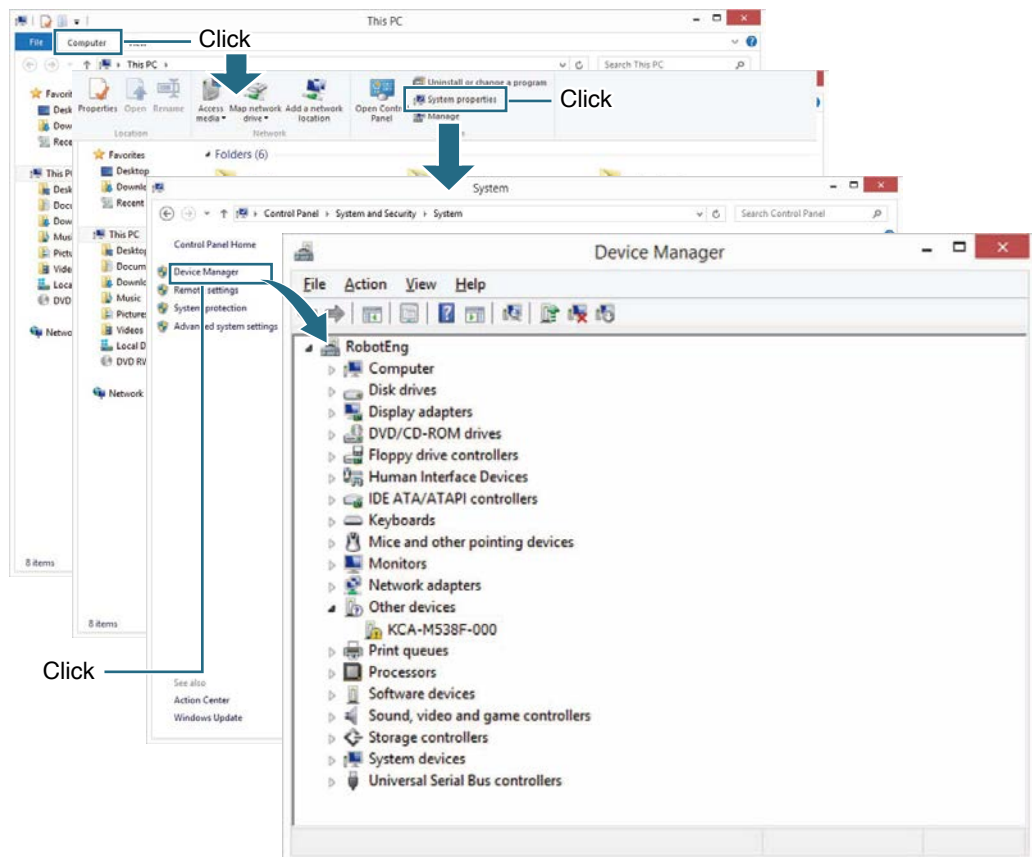
Step 1 Display the "Device Manager" window.

Plug this product into the USB port of your PC.

Double-click [PC] on the desktop or Start menu.

Click [Computer] - [System properties] from the menu, and start "Device Manager".

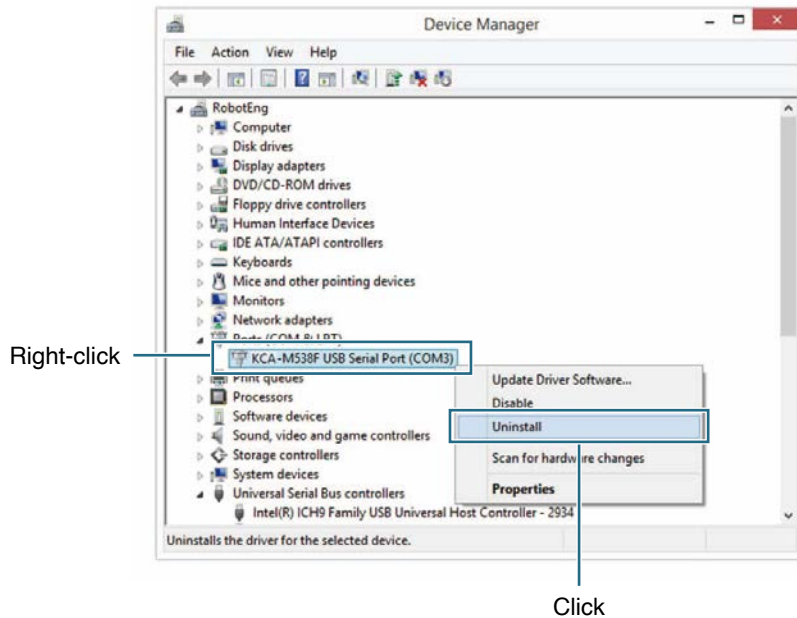
"Device Manager" window



When using Windows 10, [PC] is presented as [Computer].

Step 2 Delete the USB serial port.

Right-click on "KCA-M538F USB Serial Port (COM □)" displayed under the "Ports (COM and LPT)" group, and select "Uninstall" from the right-click menu.

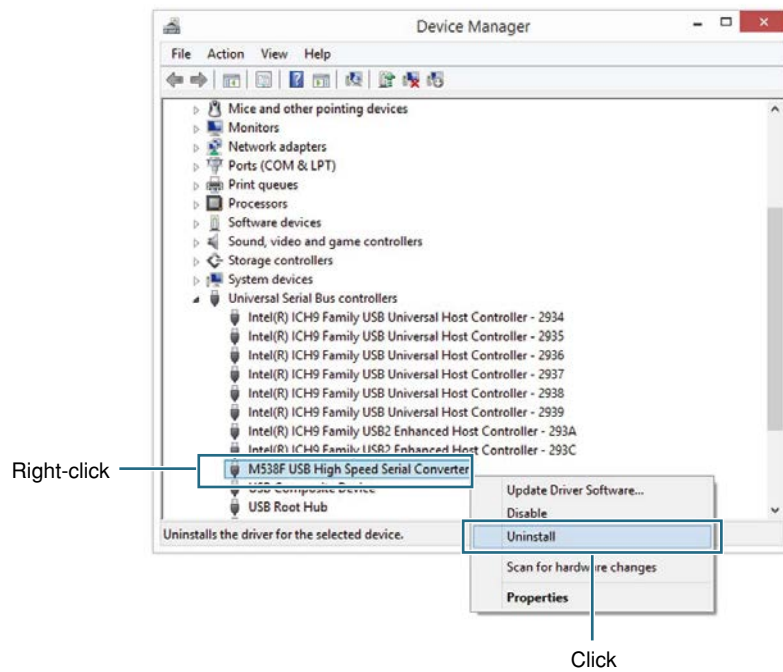
Deleting USB serial port**Step 3** Uninstall the driver software.

When the "Confirm Device Uninstall" dialog box appears, select the "Delete the driver software for this device" check box and click [OK].

"Confirm Device Uninstall" dialog box

Step 4 Delete the "Universal Serial Bus controller".

Right-click on "M538F USB High Speed Serial Converter" displayed under the "Universal Serial Bus controllers" group, and select "Uninstall" from the right-click menu.

Deleting the "Universal Serial Bus controller"**Step 5** Uninstall the driver software.

When the "Confirm Device Uninstall" dialog box appears, select the "Delete the driver software for this device" check box and click [OK].

After uninstalling, click the  button to close the Device Manager.

"Confirm Device Uninstall" dialog box

3.6 Windows 11

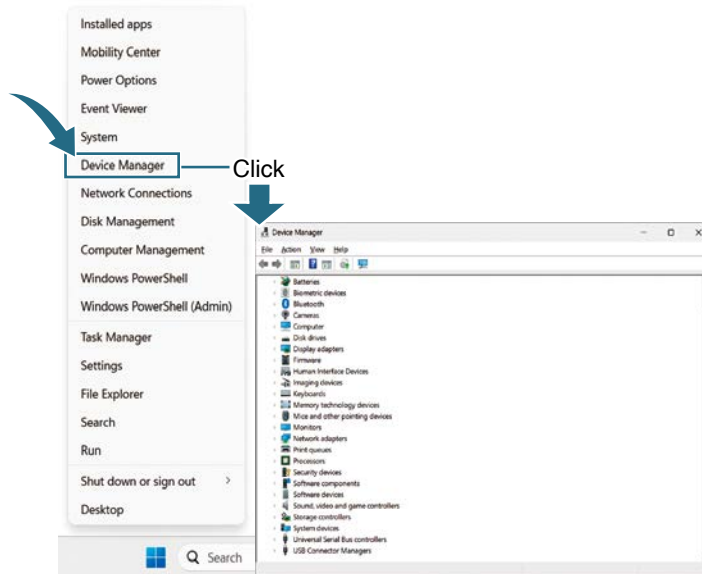
If it is interrupted or failed to install the driver software, uninstall it.

After the driver software has been uninstalled, install the driver software again.

Step 1 Display the "Device Manager" window.

Right-click "Start" and click "Device Manager" from the list that appears.

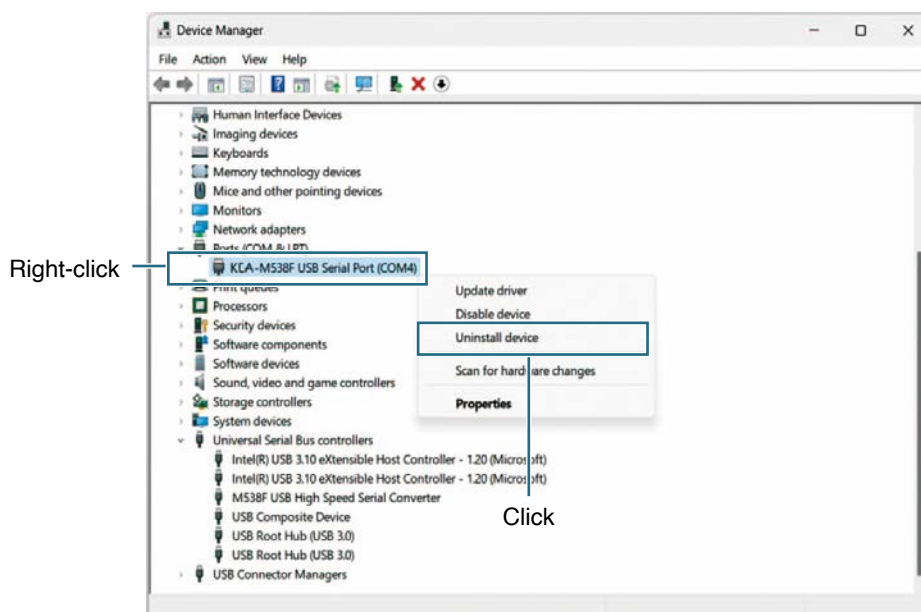
"Device Manager" window



Step 2 Delete the USB serial port.

Right-click on "KCA-M538F USB Serial Port (COM4)" displayed under the "Ports (COM and LPT)" group, and select "Uninstall" from the right-click menu.

Deleting USB serial port

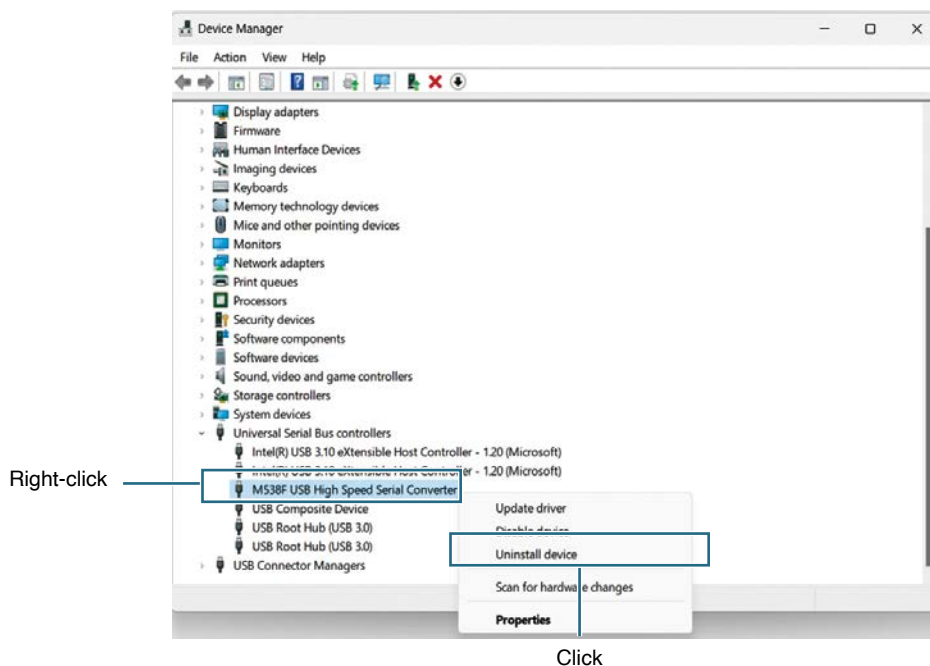


Step 3 Uninstall the driver software.

When the "Uninstall Device" dialog box appears, select the "Attempt to remove the driver for this device." check box and click [Uninstall].

"Confirm Device Uninstall" dialog box**Step 4** Delete the "Universal Serial Bus controller".

Right-click on "M538F USB High Speed Serial Converter" displayed under the "Universal Serial Bus controllers" group, and select "Uninstall device" from the right-click menu.

Deleting the "Universal Serial Bus controller"

Step 5 Uninstall the driver software.

When the "Uninstall Device" dialog box appears, select the "Attempt to remove the driver for this device." check box and click [Uninstall].

After uninstalling, click the  button to close the Device Manager.

"Confirm Device Uninstall" dialog box

Revision record

Manual version	Issue date	Description
Ver. 1.00	Jul. 2009	
Ver. 1.01	Jul. 2009	Clerical errors were corrected.
Ver. 1.02	Aug. 2009	Clerical errors were corrected.
Ver. 1.03	Oct. 2009	Procedure for installing the USB cable driver was corrected according to the added installation source, etc.
Ver. 1.04	Dec. 2009	Address information was added to the cover page.
Ver. 1.05	May. 2010	A serial communication port was added to the system environment at the installation destination.
Ver. 1.06	Jul. 2011	Procedure for installing the USB cable driver for Windows 7 was added.
Ver. 1.07	Sep. 2012	The corporate address shown on the cover was changed, etc.
Ver. 1.08	Mar. 2014	Daisy chain related items were newly added.
Ver. 2.00	Apr. 2018	Sections “Windows 8/Windows 8.1/Windows 10” were added. Clerical error corrections, etc.
Ver. 3.00	Mar. 2024	Section “Windows 11” were added. Clerical error corrections, etc.

User's Manual

Support Software

RS-Manager

Mar. 2024

Ver. 3.00

MISUMI Corporation

All rights reserved. No part of this publication may be reproduced in any form without the permission of MISUMI Corporation
Information furnished by MISUMI in this manual is believed to be reliable. However, no responsibility is assumed for possible inaccuracies or omissions.

MISUMI Corporation

KUDAN-KAIKAN TERRACE

6-5,Kudanminami 1-Chome, Chiyoda-ku, Tokyo, 102-8583, Japan



MiSUMi