

KONDO KAGAKU

USB DRIVER

Install

Manual

KO Driver 2023

Ver.1.0

Kondo Kagaku Co., Ltd.



Introduction

Thank you for using the KONDO KAGAKU's USB device. Please read through this manual to ensure proper use of the device. It is suggested that you read this manual together with the hardware manuals.

Specifications

- OS : Windows10 / Windows 11

KONDO KAGAKU's Device Compatibility

Device driver files in the KO_Driver_2023 folder support the following the KONDO KAGAKU's USB devices. (as of Feb. 2023)

Table 1 List of Compatible Devices and Device IDs

Compatible Devices	VID Vendor ID Type	VID No.	PID No.	Device Name on Device Manager
ICS USB Adapter	Other	165C	0001	ICS USB ADAPTER
Serial USB Adapter	Other	165C	0002	SERIAL USB ADAPTER
ARC Type4	Other	165C	0003	ARC Type4
2.4G USB Band Monitor	Other	165C	0004	2.4GHz USB Band Monitor
ICS USB AdapterHS	Other	165C	0006	ICS USB ADAPTER HS
Serial USB Adapter HS	Other	165C	0007	SERIAL USB ADAPTER HS
Dual USB Adapter HS	Other	165C	0008	DUAL USB ADAPTER HS
RS485 USB/Serial Conversion Adapter	Other	165C	0009	RS485 USB/SERIAL CONVERTER
RS-485 USB Adapter HS	Other	165C	000A	RS485 CONVERTER

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■ Inquires

Kondo Kagaku Co., Ltd. Service Dept. 17-7 Higashi-Nippori 4 chome, Arakawa-Ku, Tokyo 116-0014

Support email address : support@kopropo.co.jp (Responses may take a certain amount of time.)

Installing the Driver Software

■ Before Installing

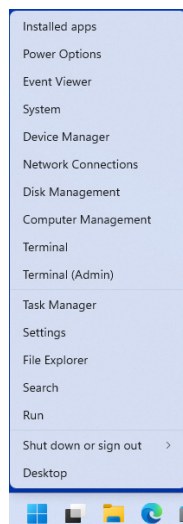
- This manual explains installation procedures for the KO_Driver_2023 driver file using the example of a KOPROPO ICS USB Adapter HS, but the same procedures can be used to install all compatible the KONDO KAGAKU's USB devices listed in Table 1 "List of Compatible Devices and Device IDs."
- The KO_Driver_2023 device driver installs two types of driver files. First, the USB bus driver is installed, and then the USBport driver is installed.
- The KO_Driver_2023 device driver may be downloaded from the following two sites.
 1. [From KONDO Site] : ダウンロード >>> ソフトウェア・サンプル >>> Click [KO Driver 2023]
 2. [From KOPROPO Site] : SUPPORT >>> Software >>> Click [KO Driver 2023]
- If you have installed a previous version of KO_Driver, **first uninstall old drivers**. To uninstall, refer to the "Uninstall Drivers (All Versions)" section on p.9.

Windows 11/10

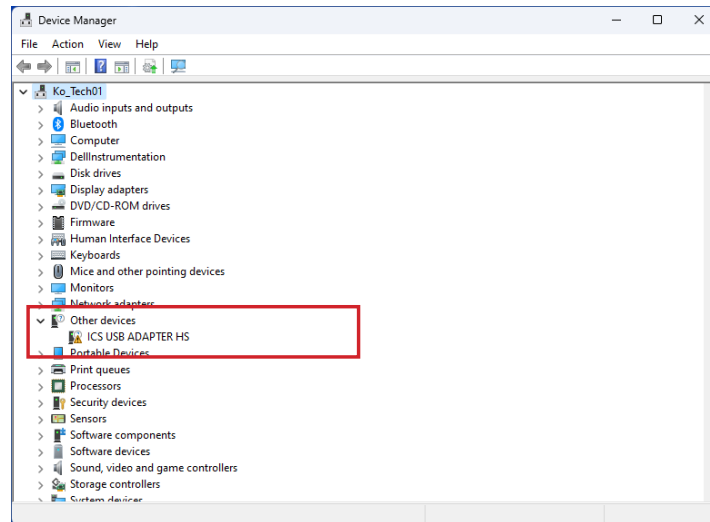
■ Install Driver File

*The following image captures a Windows 11 screen, but 10 can be installed in the same way.

1. Unzip the downloaded KO_Driver_2023 file beforehand, and save it in an appropriate folder.
2. Insert the device into the USB port.
3. Open the Device Manager in the following way.
 - ① Press the "Windows key" and the "x key" on the keyboard at the same time, or right-click on the Windows logo on the Start menu, left click on "Device Manager" from the menu that appears in the lower left corner.



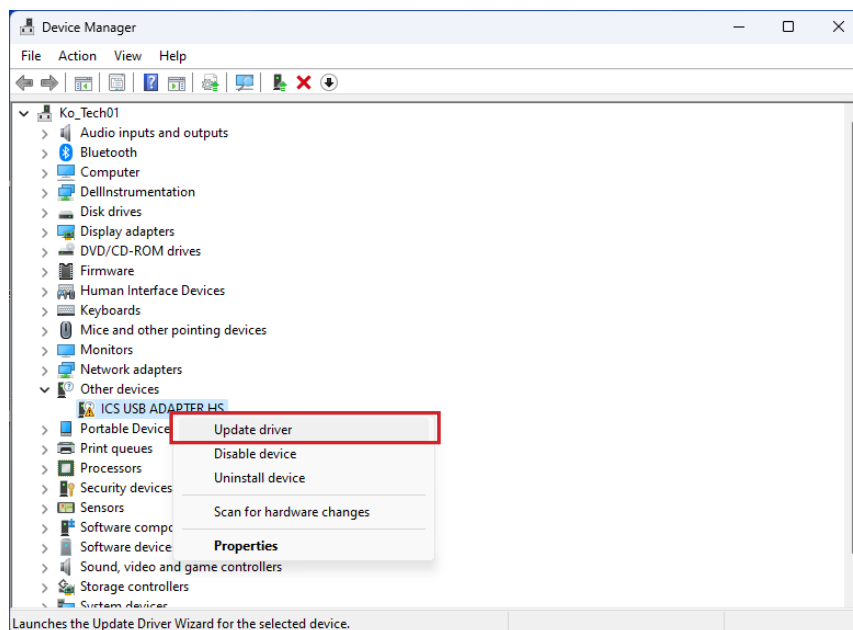
- ② Device Manager will appear. (In the screen example : ICS USB ADAPTER HS)



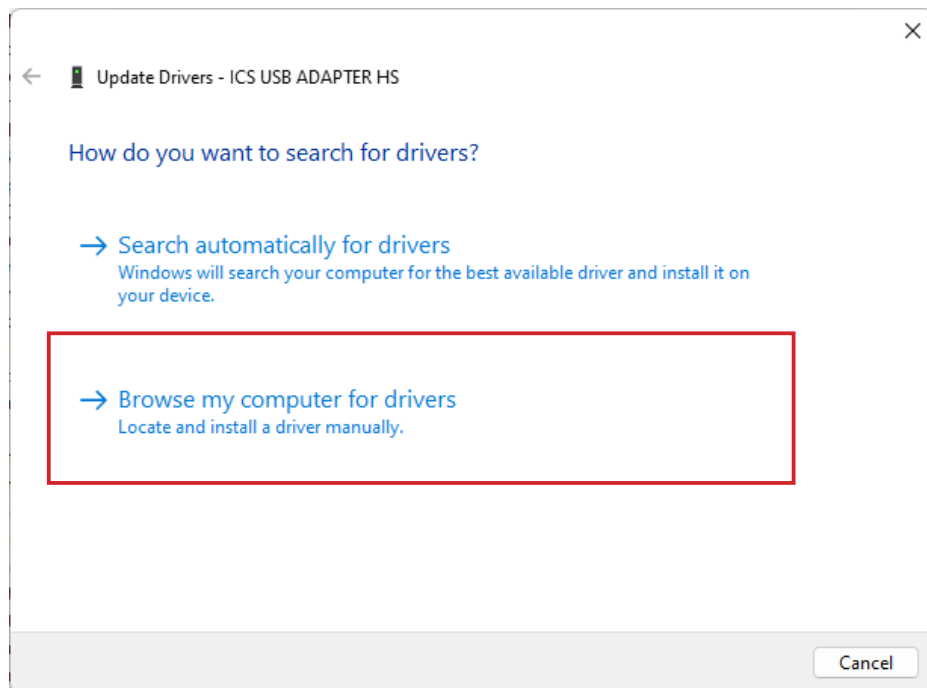
The Device Manager window displays connected devices and their operating status. In the current environment, the ICSI USB Adapter HS is marked with ! mark and treated as "other devices". Since communication is not possible at this point, the driver will be updated in the next steps.

4. Update the USB bus driver.

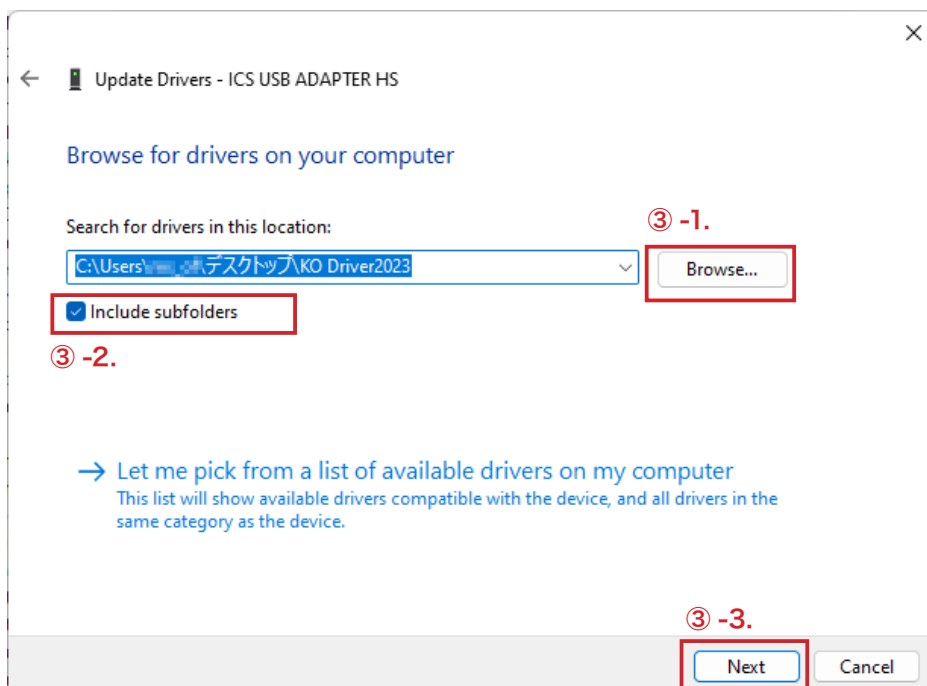
- ① Right-click on the device listed under "Other Devices" in Device Manager, and left-click on "Update Driver".



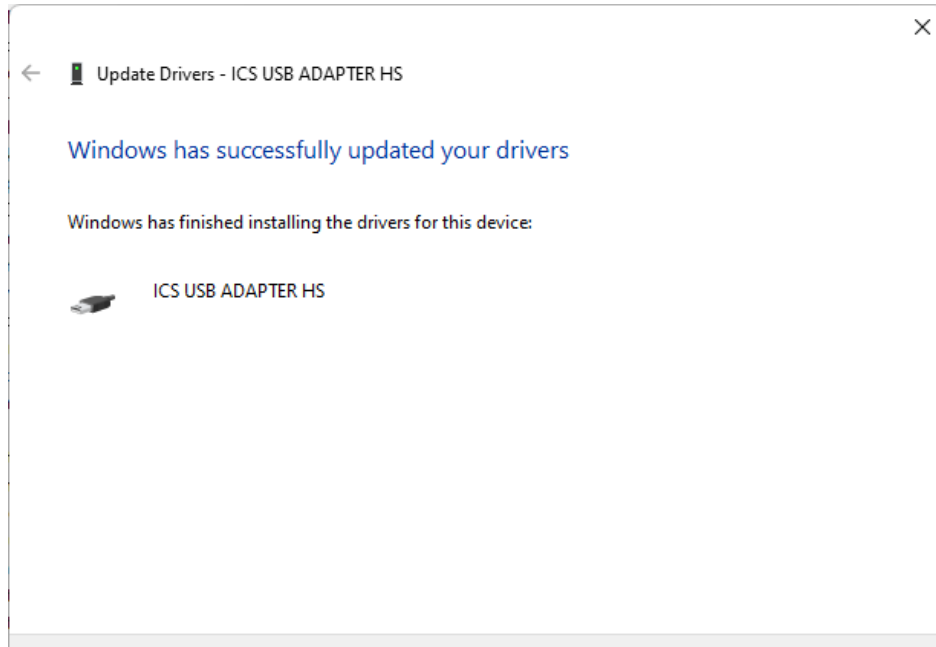
- ② Left-click on "Browse Computer for Drivers" at the bottom of the "Update Drivers" window.



- ③ "Browse to the driver on your computer." When the window opens, press
- ③ -1. Left-click the "Browse" button and select the KO_Driver folder.
 - ③ -2. At this time, check the "Search subfolders as well" checkbox.
 - ③ -3. Left-click "Next" in the lower right corner to start driver installation.

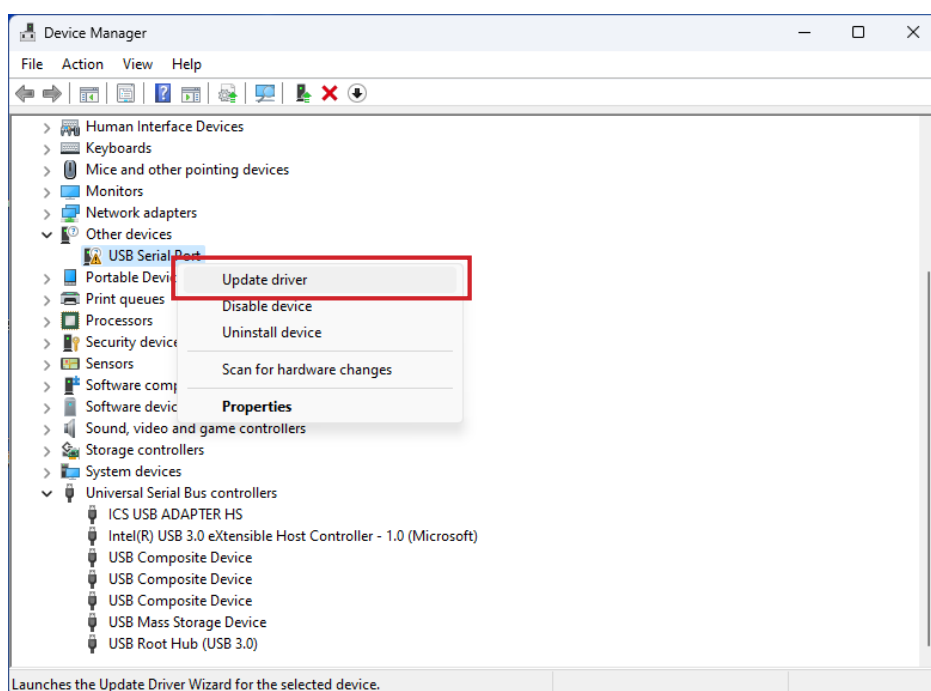


- ④ When installation is complete, the message "The driver software has been successfully updated" will appear and the name of the device being installed will be displayed.
(In the screen example : ICS USB ADAPTER HS)

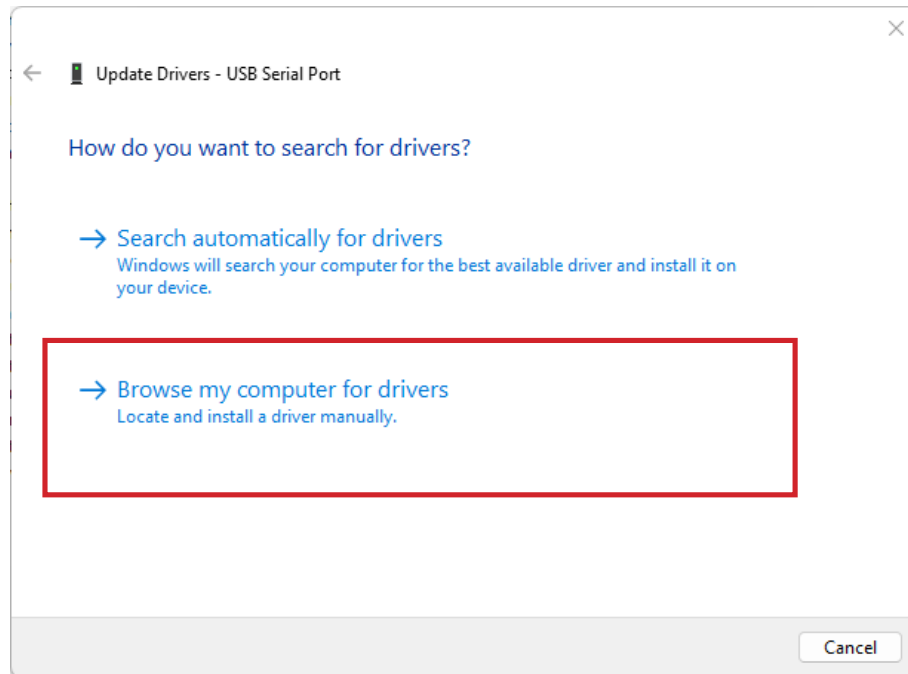


5. Update the USB port driver.

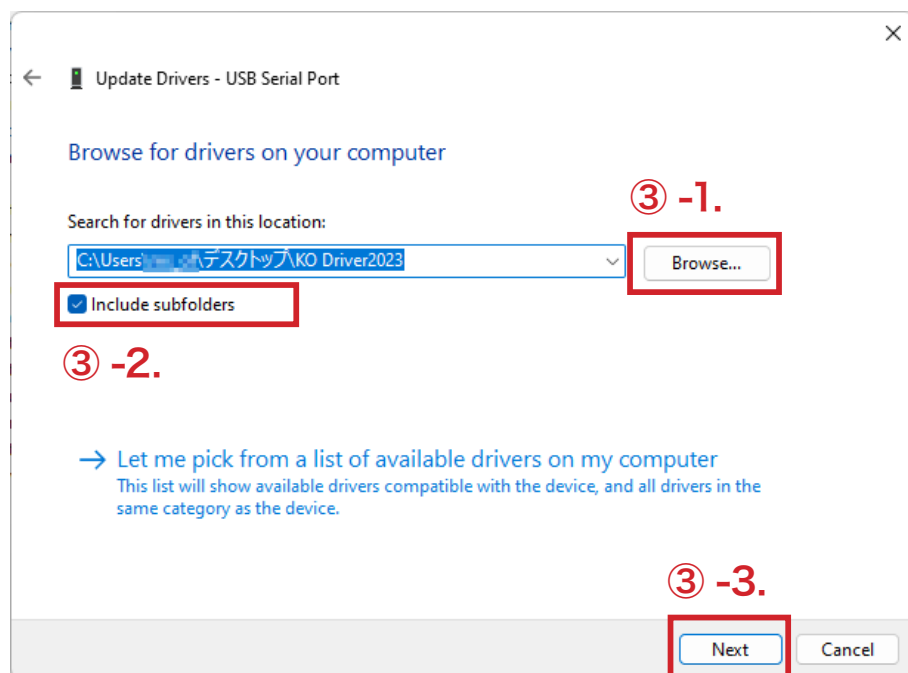
- ① Right-click "USB Serial Port" under "Other Devices" and left-click "Update Driver" as in the procedure starting from 4- ①.



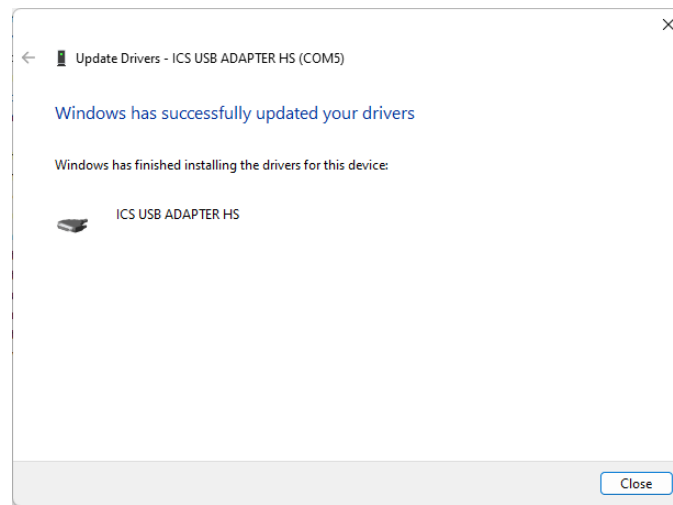
- ② Left-click on "Browse Computer for Drivers" at the bottom of the "Update Drivers" window.



- ③ "Browse to the driver on your computer." When the window opens, press
- ③ -1. Left-click the "Browse" button and select the KO_Driver folder.
 - ③ -2. At this time, check the "Search subfolders as well" checkbox.
 - ③ -3. Left-click "Next" in the lower right corner to start driver installation.

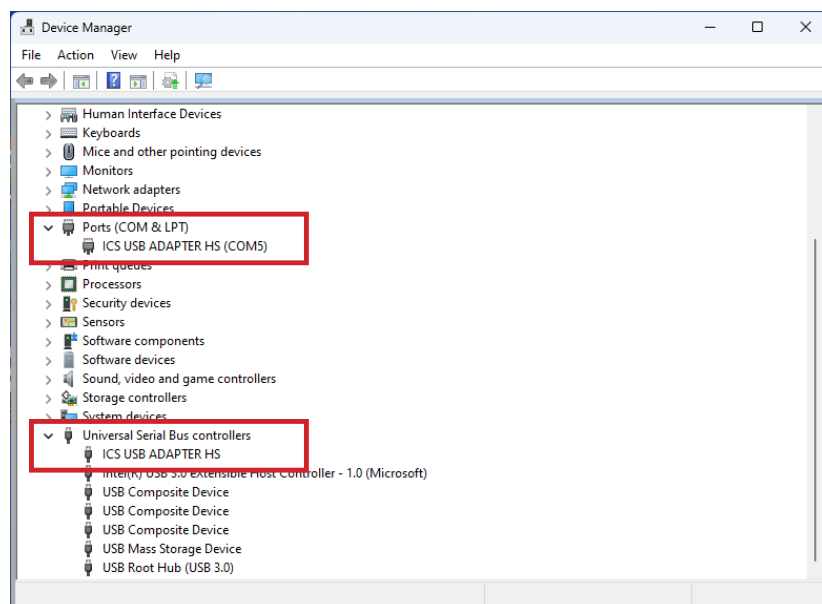


- ④ When installation is complete, the message "The driver software has been successfully updated" will appear and the name of the device being installed will be displayed.
(In the screen example : ICS USB ADAPTER HS)



■ Device Confirmation and Reminders

1. When driver installation is complete, confirm the device port number.
2. Launch Device Manager following the instructions in step 3 above.
3. In Device Manager, confirm that the name of the installed device is in the Universal Serial Bus Controller section. And, confirm that the name of the installed device and COM port number are in the Port (COM and LPT) section.



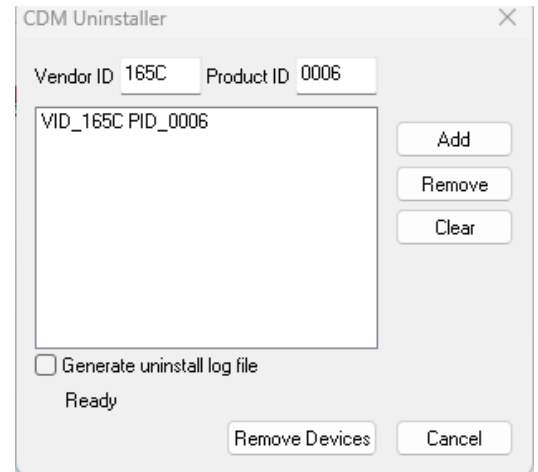
(In the example, the device name is "ICS USB ADAPTER HS" and the COM port number is 5 (COM5).
The port number differs depending on your computer, so it may not always be COM5.)

Uninstall Drivers (All Versions)

1. Remove the KONDO KAGAKU's USB device from your computer.
2. Double click "CDMuninstallerGUI.exe" in the KO_Driver_2023 folder to open the file.

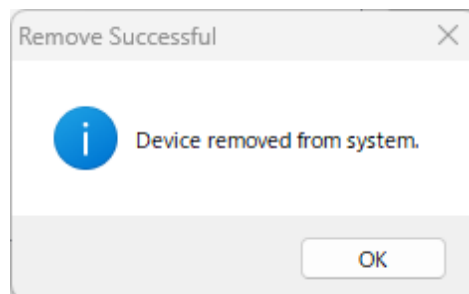
3. Enter "165C" in the Vendor ID box and the PID number of the device to be uninstalled in the Product ID box. For the PID number, refer to Table 1 "List of Compatible Devices and Device IDs" on p.2 of this guide. The figure at right shows an example when uninstalling.

The figure at right shows an example when uninstalling "ICS USB ADAPTER HS".



4. After entering the Vendor ID and Product ID boxes, press the "Add" button and register the device to be uninstalled. If uninstalling multiple device drivers, add to the list by repeating steps 3 and 4.

5. Press the "Remove Devices" button at the bottom of the window. When the installed devices are found, the uninstall will begin.



When "Device removed from system." is displayed, the uninstall is complete.

It may take a few moments to find the devices.