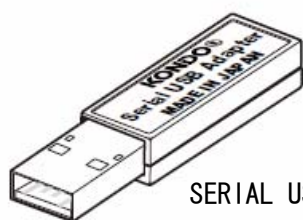


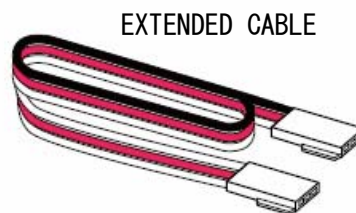
SERIAL USB ADAPTER INSTALLATION MANUAL
ATTACHMENT FOR KHR-2HV

Serial USB adapter is an attachment for KHR-2HV. Please refer to installation manuals regarding explanation for assembling.

CONTAIN



SERIAL USB ADAPTER



EXTENDED CABLE

ENVIRONMENT FOR USE

- It needs to work with MICROSOFT WINDOWS (2000, XP), USB PORT.
- USB1.1 and 2.0.
- CD-ROM drive to installation of driver file.

CD-ROM

Driver files that will be needed with SERIAL USB ADAPTER, are in CD-ROM.

Two folders are at “USB” folder in CD-ROM.

MATTERS THAT REQUIRE ATTENTION

- Do not connect to USB-HUB. It is possible not to work correctly.
- Equipments can be connected to SERIAL USB ADAPTER, are limited to specified equips; RCB-1, Motion Processor, RSC-1, RSC-1HV and connectable equipments that will release after this.
- In case non-guarantee connection, it is possible that PC will not work well.
- Kondo Kagaku co. ltd., will not hold responsibility to any damages that occurred by using SERIAL USB ADAPTER.

- The content of installation manual might be modified or revised without any notice.

SPEC

PRODUCT: SERIAL USB ADAPTER

LENGTH : 52*15*9mm

WEIGHT : 6.0g

POWER : BUS POWER SUPPLIED BY USB

ELECTRIC CURRENT: 25mA

PROCESS

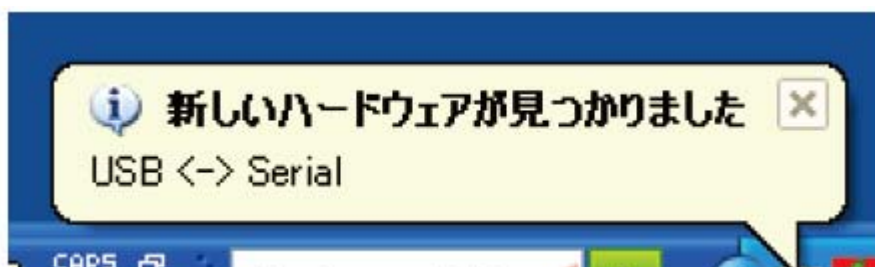
1. Connect SERIAL USB ADAPTER to USB port.
2. In case of connection for the first time or to another type of port, Hardware Wizard will start up. Install needed driver files.
3. As completing the installation, connect to the equipment. Confirm RS-232C's port number.
4. It can be taken off from USB port when the installation finish.

RECOGNITION

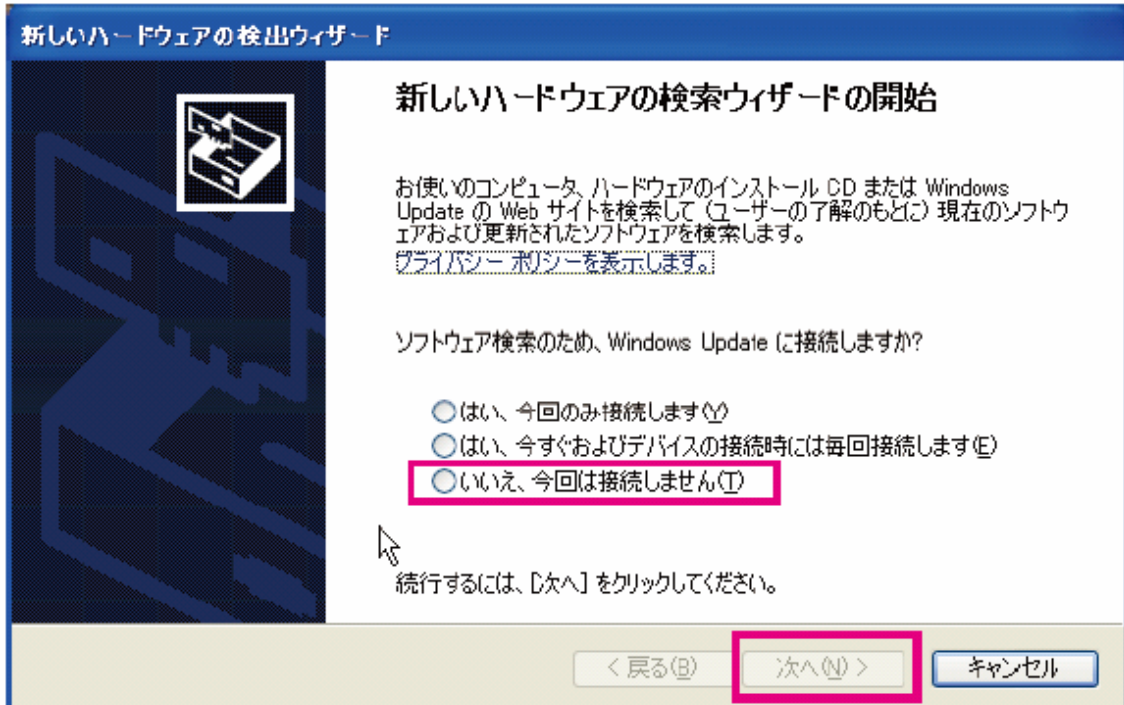
As SERIAL USB ADAPTER is inserted to USB port, PC will recognize it and start up Wizard.

Two drivers will be installed.

Finding new hardware, "Detect wizard" will start up.



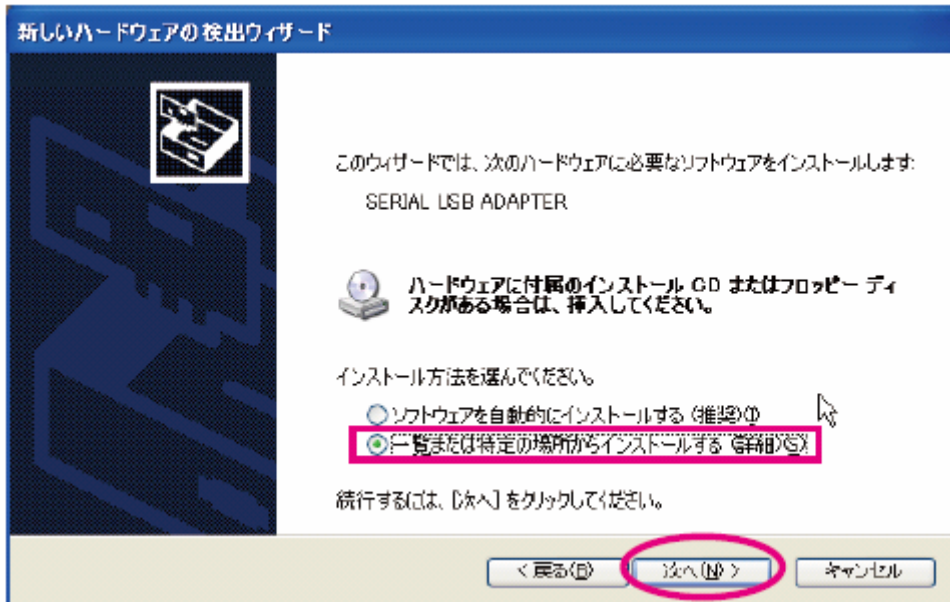
Check “いいえ、今回は接続しません” (No. Connection is rejected)
And click “Next” .



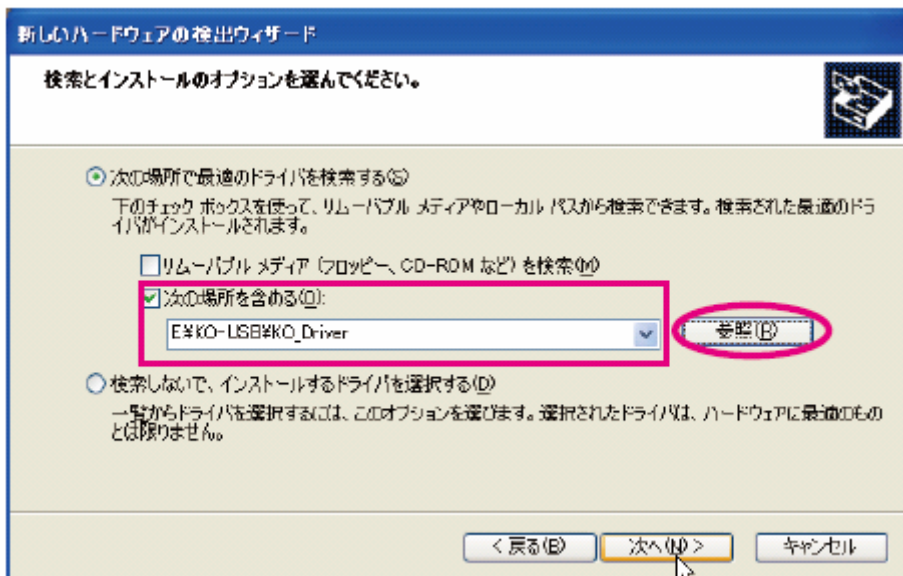
INSTALLATION FOR DEVICE DRIVERS

The ways of installation is shown.

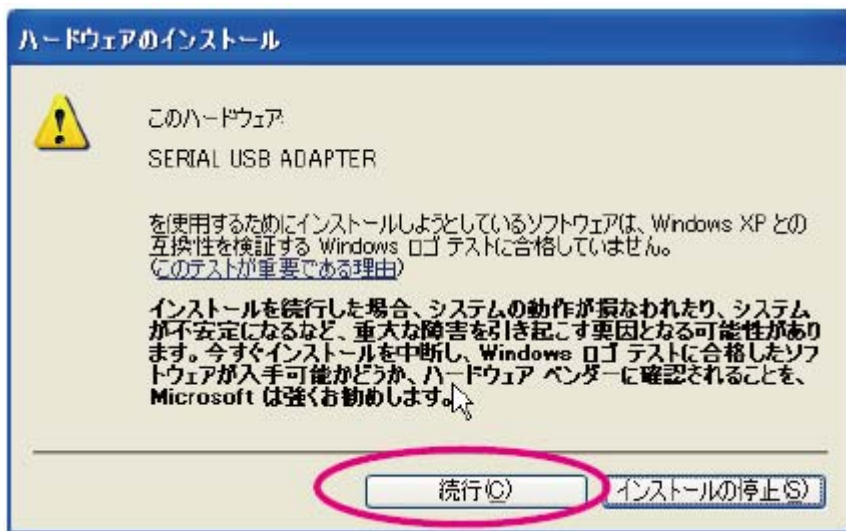
Check “一覧または特定の場所からインストールする（詳細）” (Install from list or specific solder), and click “Next”.



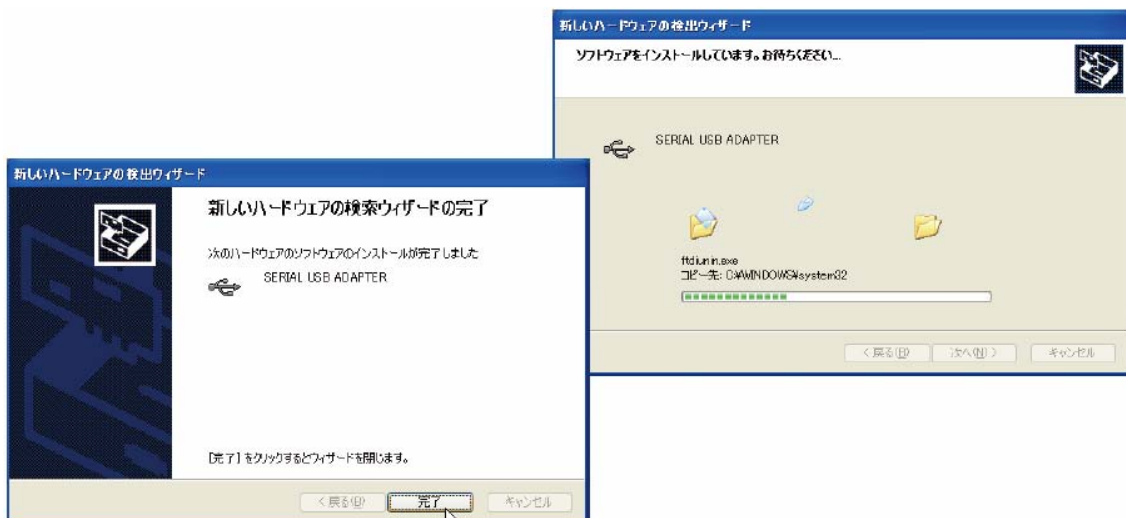
Click “参照” (Reference), select “KO-Driver” which in “USB” of CD-ROM. Click “Next”.



Click “続行” (Continue), however the alert will be shown.

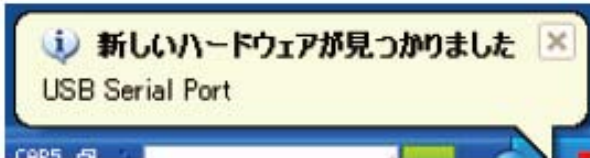


The installation will be started.



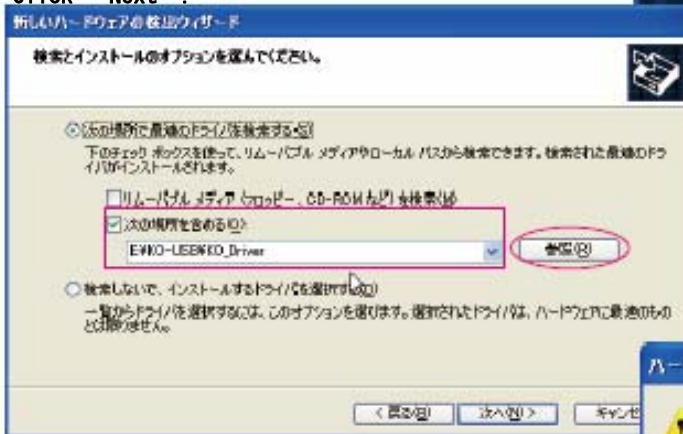
The installation is completed. Click “完了” (Completed).

The wizard for a renewal will start up. This installation is for USB SERIAL PORT. The process is the same to SERIAL USB ADAPTER. Serial USB Adapter works as virtual serial port. USB SERIAL PORT is a device driver for working it.

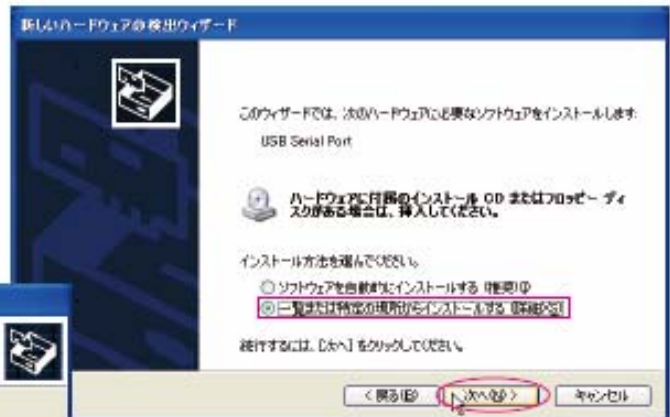


Click “一覧又は特定の場所からインストールする” (Install from list or specific folder)

Click “Next”.

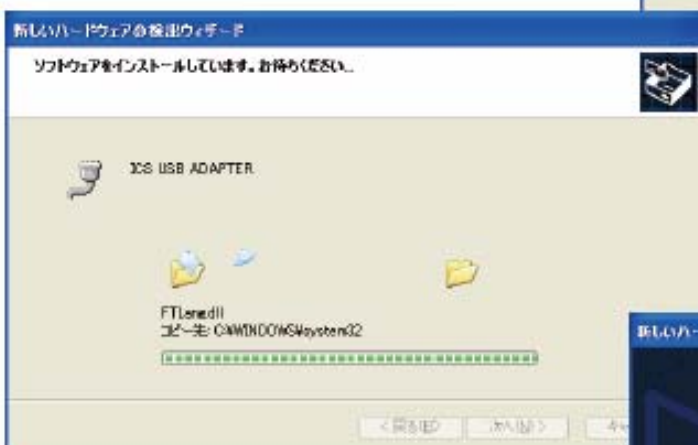
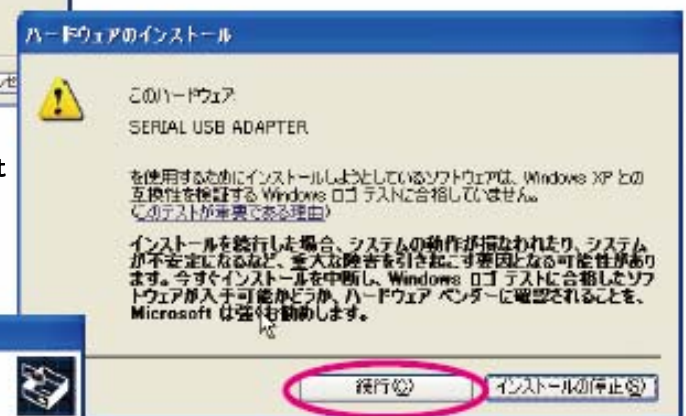


Click “続行” (Continue), however the alert will be shown.



Click “参照” (Reference), select “KO-Driver” which at “USB” in CD-ROM.

Click “Next”.

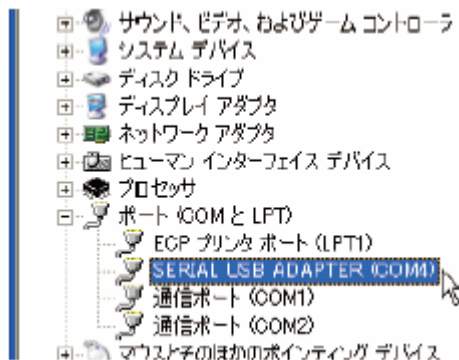


Device driver has been installed.

Click “完了” (Completed).



CONFIRMATION

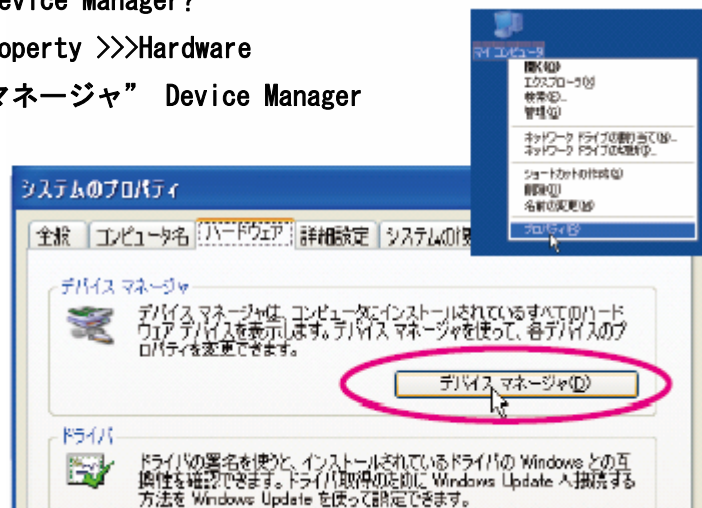


The installation is added to “port” when it has done with success. You can know “COM” number at Device Manager.

How to find the Device Manager?

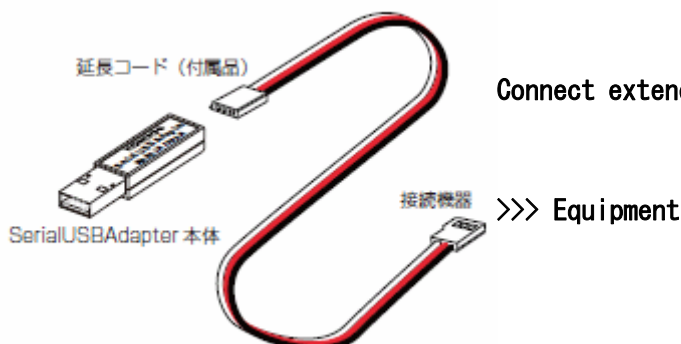
My Computer >>>Property >>>Hardware

>>> “デバイス マネージャ” Device Manager



CONNECTION WITH EQUIPMENT

Serial USB Adapter controls and settle robot (KHR-2HV) instead of Robot Control Board, RCB-1, Motion Processor and ICS-PC interface2.



Connect extended cable and Serial USB Adapter.