

OUTLINE

This paper describes how to update the EDX-3000A/B software by inserting the USB memory, with the update files, into the EDX-3000A/B.

<<Overall procedures>>

- (1) Create the "update USB memory device".
- (2) Update the EDX application (EDX application running on the operating system).
- (3) Update the USB device driver (when the EDX-3000A/B version is lower than 01.03).
- (4) Update the EDX firmware and FPGA (internal printed board firmware and FPGA program).

For the latest version of the update files, see KYOWA's Web site.

Note that the version numbers are indicated by asterisks (****) on this paper.

UPDATING PROCEDURES

1. PREPARATION

- (1) Required devices: USB memory (minimum 128 MB), display, and USB mouse (or PS/2 mouse)
- (2) Create the "update USB memory device".

Extract the source file ("SetupEDX-3000A_****.zip") and move all extracted files and folders to the USB memory.

(To extract the zipped file, select the zip file, right-click, and select [Open all].)

At this point, the USB memory should contain the following files and folders:

USB memory

{ (E3KUPDT) folder
{ (E3KUSB) folder
- setupEDX3000A_****.exe

EDX firmware, FPGA update files
USB device driver update files
EDX application update files

2. UPDATING

Be sure to read the "Supplements" on the next page and after.

- (1) Connect the display, mouse, and the "update USB memory device" to the EDX-3000A/B.

Turn ON the power.

- (2) Exit the EDX application and return to the Windows desktop.

Exit the EDX application by clicking the "X" icon at the window top right.

- (3) Update the EDX application.

Go to My Computer.

Select the USB memory.

Double-click to run the "setupEDX3000A_****.exe" file.

This will launch the installer and start the update process.

(This process updates files inside the C:\EDX-3000A folder.)

- (4) Update the USB device driver.

See "HOW TO UPDATE THE USB DEVICE DRIVER" in a separate section.

- (5) Update the EDX firmware and FPGA.

See "HOW TO UPDATE THE EDX FIRMWARE AND FPGA" in a separate section.

- (6) Restart the PC.

Supplements-1: EDX-3000A/B software

To update the EDX-3000A/B software to the latest version, make sure the following 3 software is the latest version.

- EDX application
- USB device driver
- EDX firmware and FPGA

To check the current version: The current version appears on the LCD on the EDX-3000A/B front.

(Press Δ switch or ∇ switch to display other units' version.)

Model: EDX-3000A/B

Version: **.**

*The EDX application version appears only.

*When the EDX application version is lower than 01.02, the product must be returned to KYOWA.

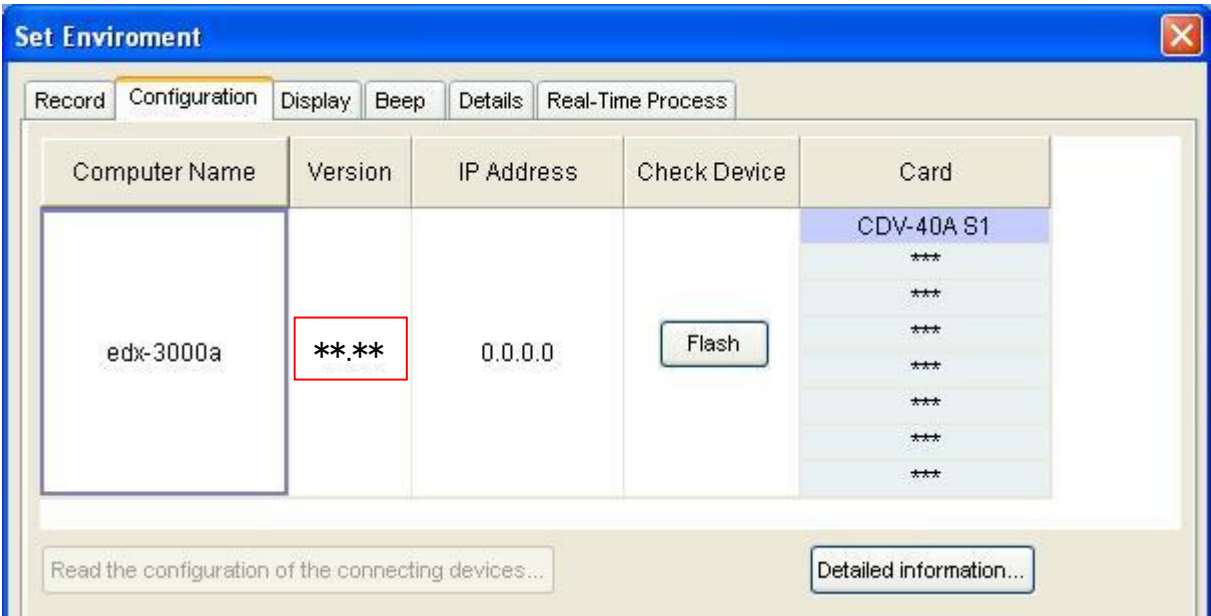
*When the EDX application version is lower than 01.03, before updating the EDX firmware and FPGA, be sure to update the USB device driver.

Supplements-2: How to check unit versions after updating.

Start the EDX-3000A/B.

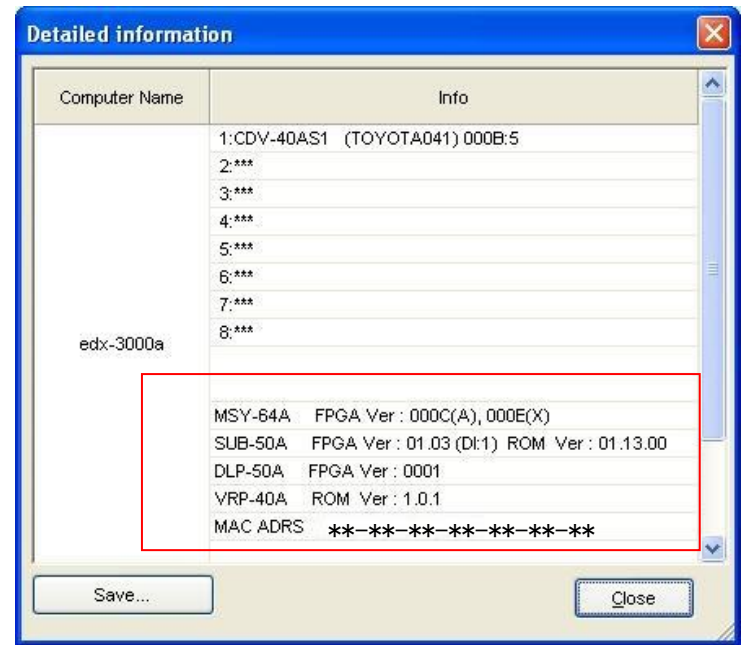
Select the [Configuration] tab in the [Set Environment] window.

The EDX application version appears.



Click the Detailed information... button.

The EDX firmware version and FPGA version appear.



[Example]

Every unit version appears as described in the above.

To check the USB device driver version, see "HOW TO UPDATE THE USB DEVICE DRIVER" in a separate section.

"HOW TO UPDATE THE USB DEVICE DRIVER"

(Update the USB device driver when the EDX-3000A/B version is lower than 01.03.)

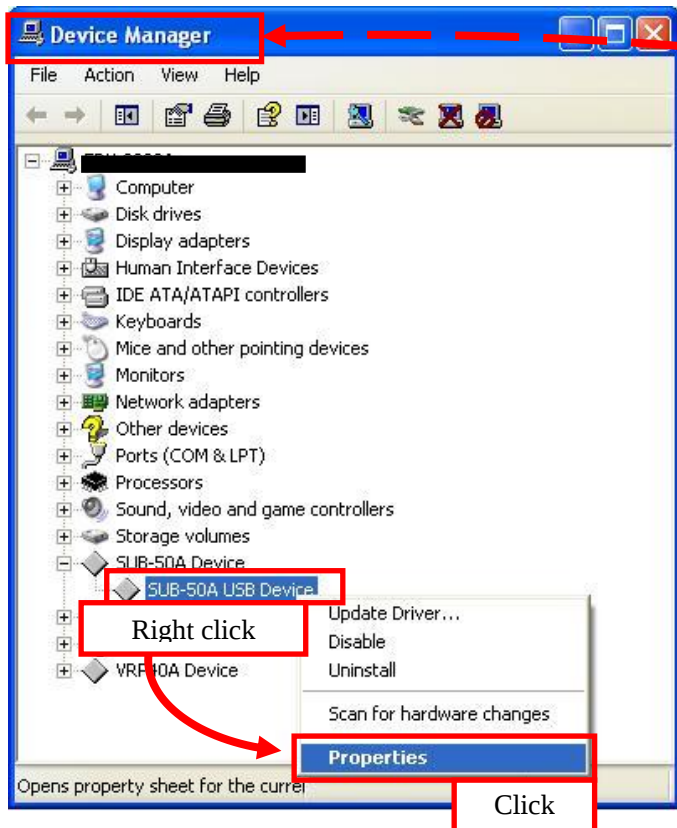
1. To check the current USB device driver version.

Exit the EDX application.

Open the [Device Manager].

Point the mouse cursor on the [SUB-50A USB Device].

Right-click on the [SUB-50A USB Device] and click [Properties].



- To open the [Device Manager].

Go to [Start] » Right-click [My Computer] »

Click [Properties].

The [System Properties] window appears.

Click [Hardware] tab » Click

[Device Manager].

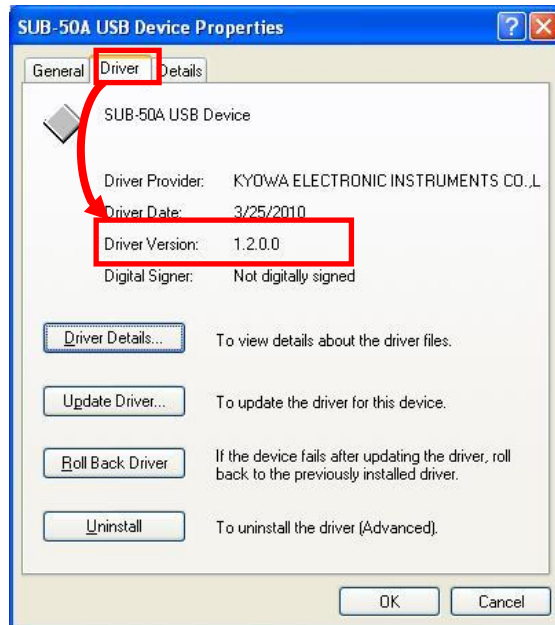
The [SUB-50A USB Device Properties] window appears.

Click the [Driver] tab

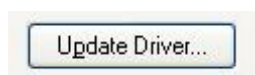
Check the [Driver Version].

When the USB device driver is not the latest version, go to the next procedure.

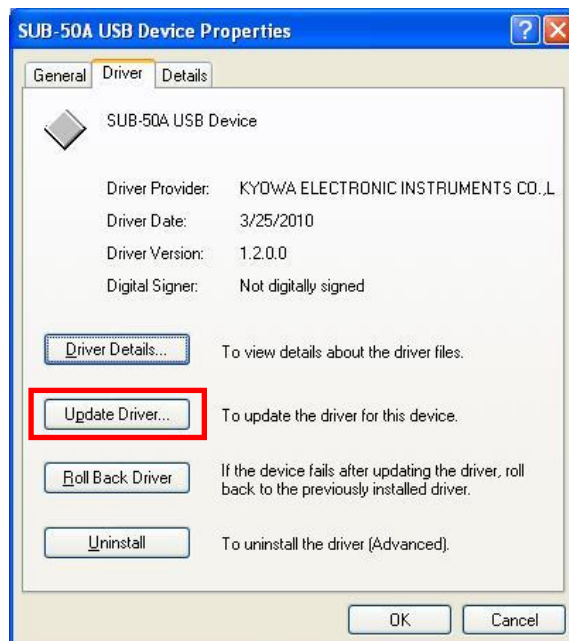
When the USB device driver is the latest version, the next procedure is not required.



2. To update the USB device driver.



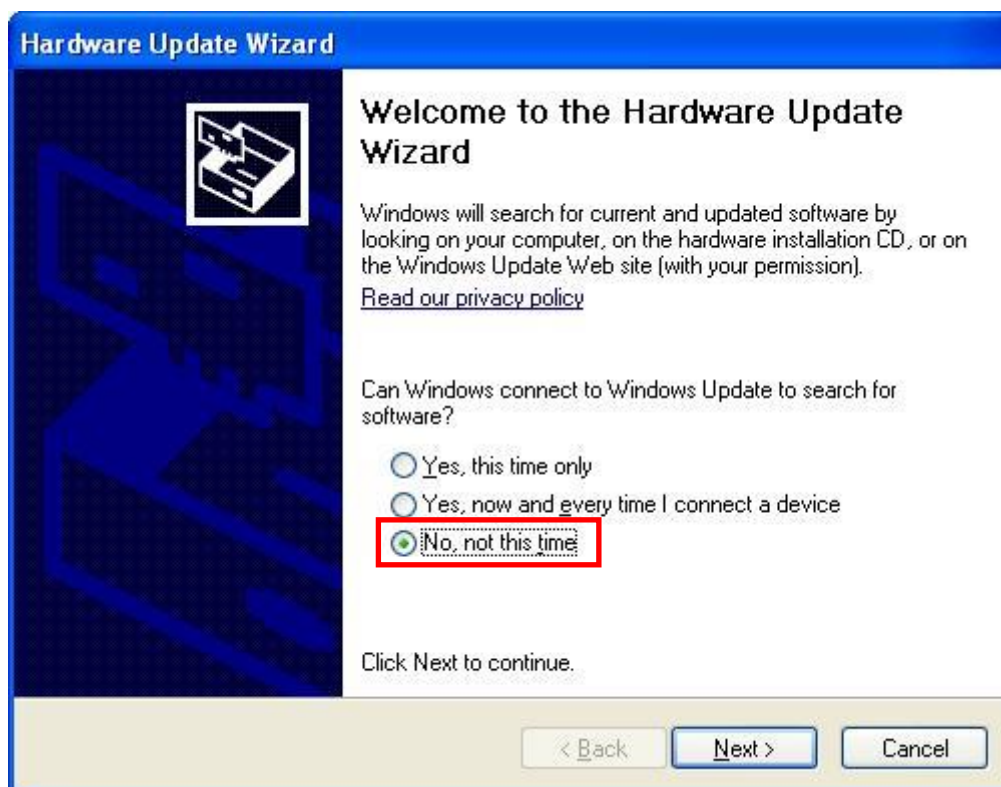
Click the **Update Driver...** button.



The [Hardware Update Wizard] dialog box appears.

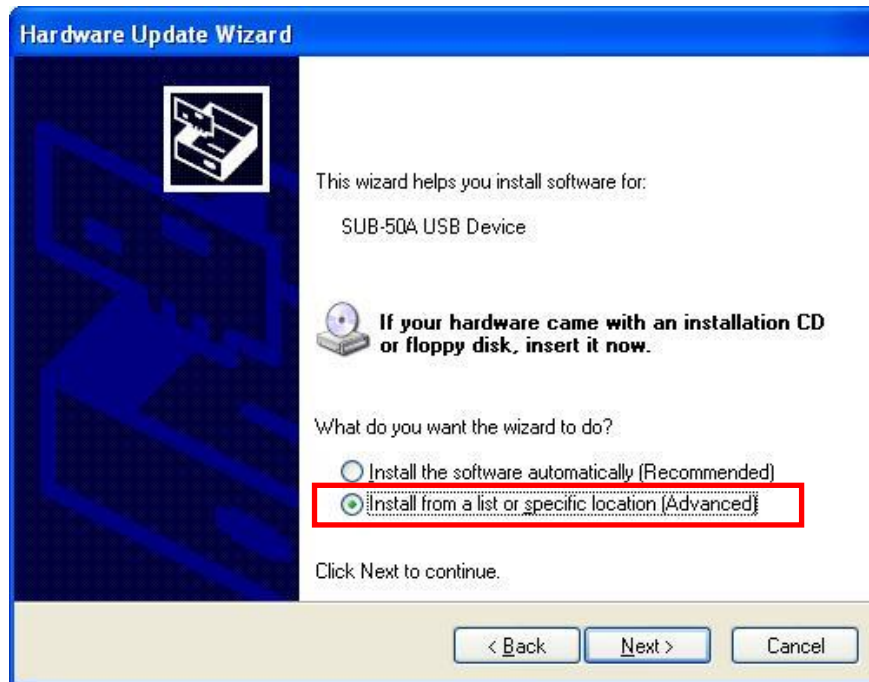
Select [No, not this time].

Click **Next>** button.



Select [Install from a list or specific location [Advanced]].

Click **Next>** button.



Select [Search for the best driver in these locations.].

Select [Include this location in the search] and browse to the USB device driver.

Click **Next>** button.

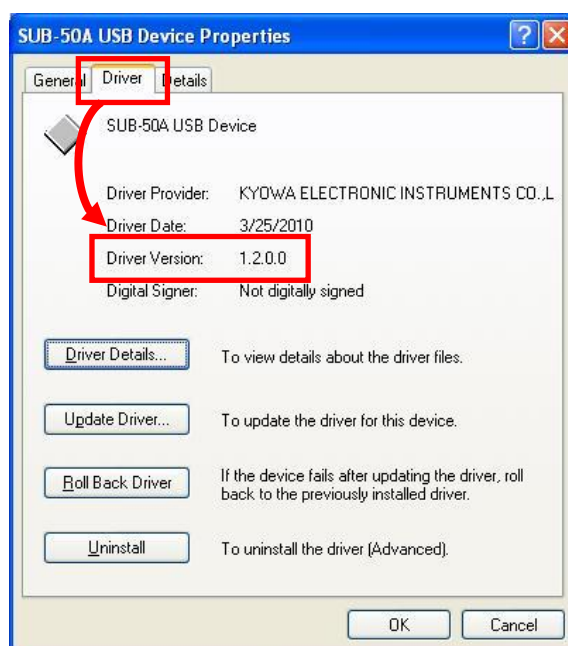


When the [Completing the Found New Hardware Wizard] message appears, click **Finish** button.



Click the [Driver] tab on the [SUB-50A USB Device Properties] window.

Make sure the USB device driver, on the [Driver Version], is the latest version.



The USB device driver updating completed.

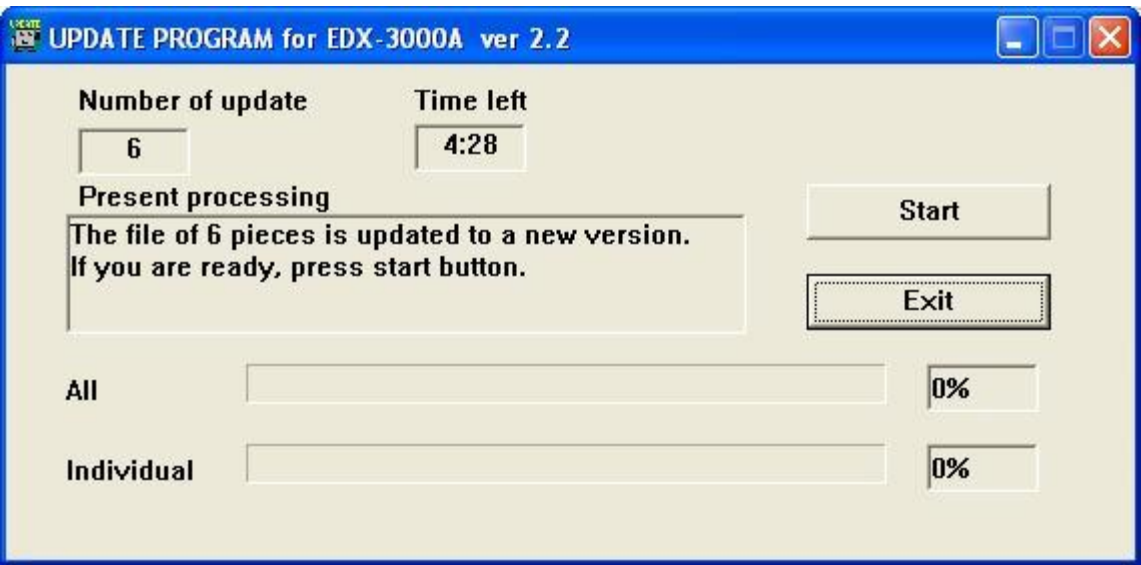
"HOW TO UPDATE THE EDX FIRMWARE AND FPGA "

1. To start the "UPDT. exe".



Double-click the "UPDT.exe" in the "E3KUPDT" folder.

The "UPDT.exe" starts up.



2. To update the EDX firmware and FPGA.



Click **Start** button.

After the updating completed, the PC will shut down automatically.



The left dialog box appears.

To start updating, click [Yes].

(Click [No] to return to the Windows desktop.)



The [Time left] indicates the time required for completing the updating.

Note that the shutdown time is not included in the [Time left].

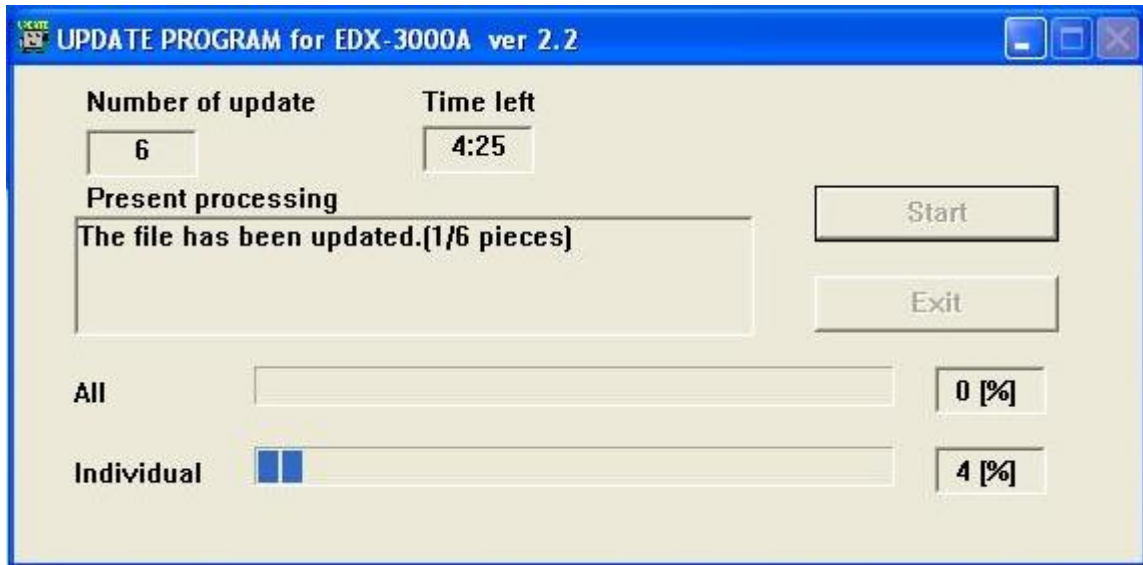
[NOTE]

After the updating completed, the PC will shut down automatically.

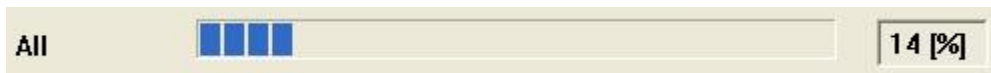
Note that the update will be applied when you restart the PC.

3. While updating the EDX firmware and FPGA.

[Updating window]



Two progress bars indicate the updating progress.



[All] progress bar: Indicates the whole updating progress.
After the percentage reaches 100%, the PC shuts down.



[Individual] progress bar: Indicates the updating progress of the current file.
After the percentage reaches 100%, the [UPDT. exe] updates the next file.

4. After completing the updating

After the updating completed, the PC will shut down automatically.

The update will be applied when you restart the PC.

The EDX firmware updating and FPGA updating completed.