



## How to install the firmware rewrite tool

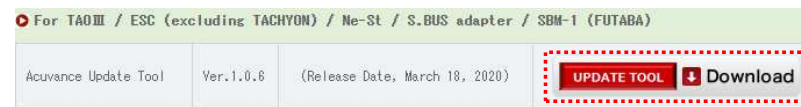
### Introduction

- ① The copyright of this software belongs to ACUVANCE Corporation.
- ② We are not responsible for any liability for any accidental, consequential or indirect damages (including PC breakage) including the loss of data at the time of using this software.
- ③ This software is an update tool dedicated to ACUVANCE brushless system. It's not compatible with other companies' products.
- ④ This product is Windows application only.  
(Compatible OS) Windows XP / Vista / 7 / 8 / 8.1 / 10 / 11 32 bit and 64 bit

### How to install

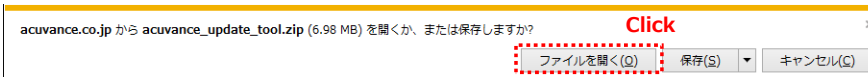
I Download the rewriting tool setup file from the ACUVANCE home page

I-① Download the rewriting tool from our homepage (Download is free of charge)



Click

I-② Click Open file (O).



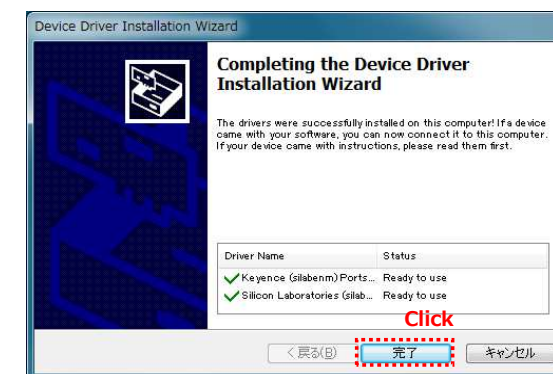
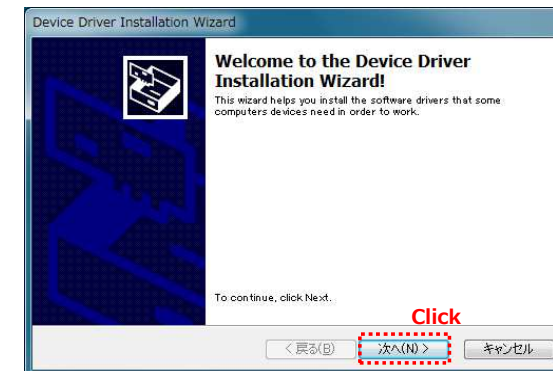
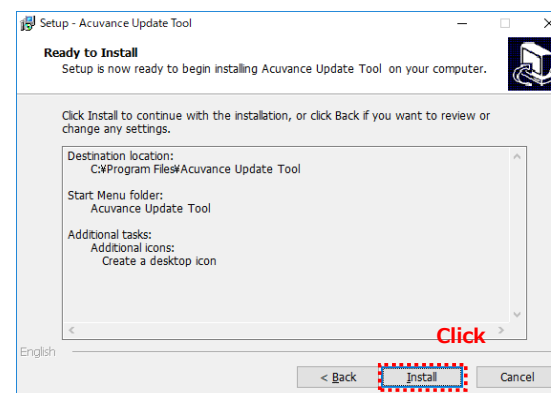
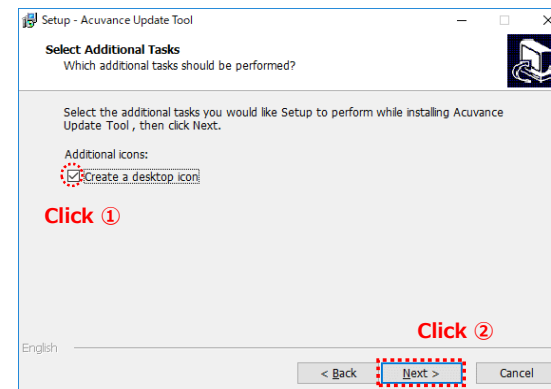
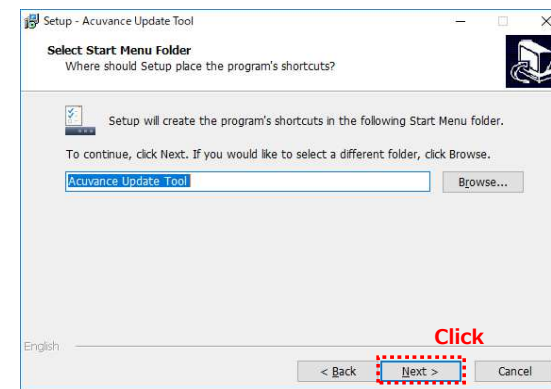
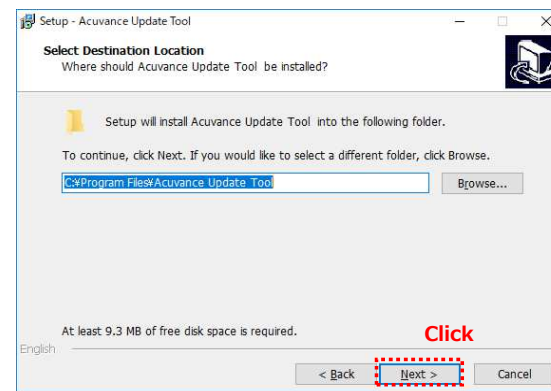
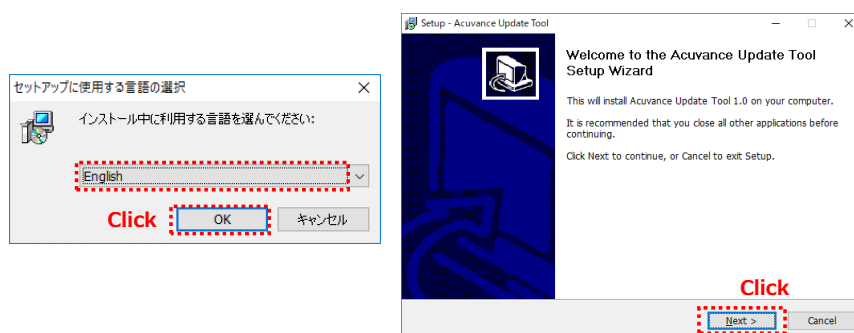
I-③ If you have [ACUVANCE Update Tool.exe] in the opened folder, download of the setup file is complete. Continue the installation steps.

### II Install rewriting tool on PC.

II-① Double-click [ACUVANCE Update Tool.exe] downloaded in I - ③.

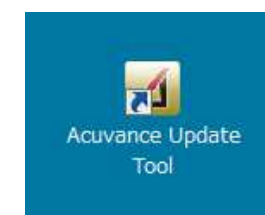
II-② In the "User Account Control" window, click "Yes" if the message "Do you want to allow the program from the following unknown publisher to change to the computer?".

II-③ Follow the setup screen and click on the red frame icon below to install.



Installation of the rewriting tool for XARVIS · AIRIA · Ne-St is complete.

※The following icons are created on the desktop.



## How to update TAOIII

※Please install the common rewriting tool in advance.

No update device kit is used to update TAOIII

### Preparation

#### I Download the firmware for TAOIII from the homepage

I-① Click the TAOIII firmware download button on the TAOIII product page on our website. ((Download is free))



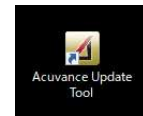
I-② Click Open file



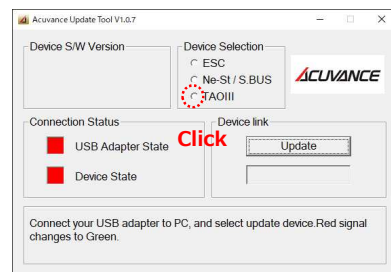
I-③ If [(Ver.0.0) 0C.00.00.00.upd] is found in the opened folder, downloading of the firmware file is completed. Since this file is used in the later process (III - ②), please check the storage location (desktop etc).

#### II Check if the PC recognizes TAOIII

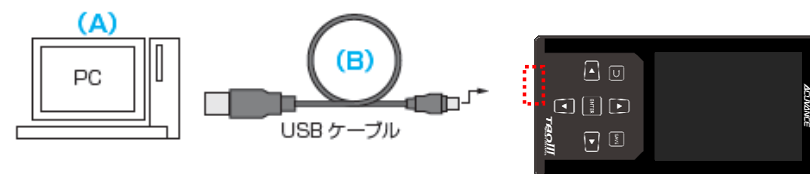
II-① Double-click the icon of the common rewrite tool to start the rewrite tool.



II-② In the device selection, select (click) "TAOIII".



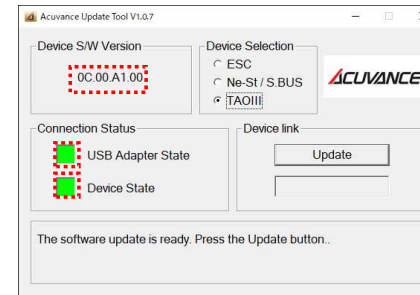
II-③ Use the USB cable that came with TAOIII to connect your PC to the TAOIII micro USB terminal.



Do not connect ESC and TAOIII when updating

II-④ When TAOIII is connected and the PC recognizes it normally, the firmware currently installed in TAOIII is displayed in "Software version", and "USB adapter connection status" and "Device connection status" are switched from red to green.

(If it does not switch, repeat connecting

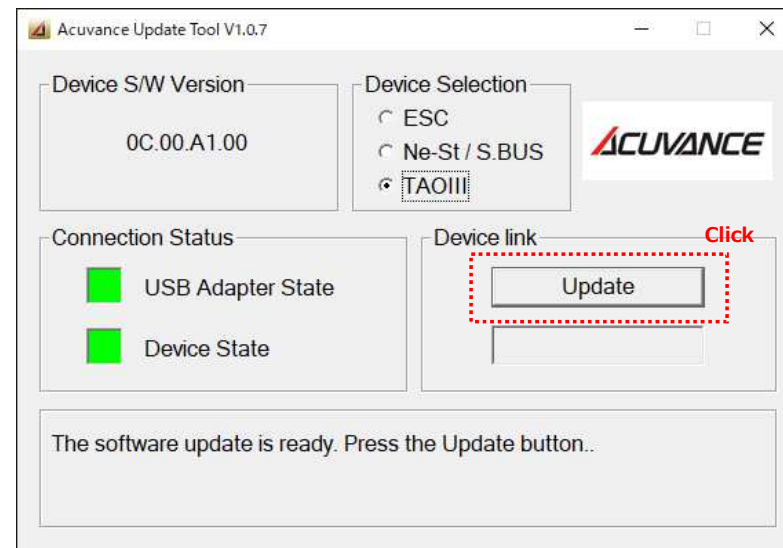


Now you are ready to update. Please continue to III-①.

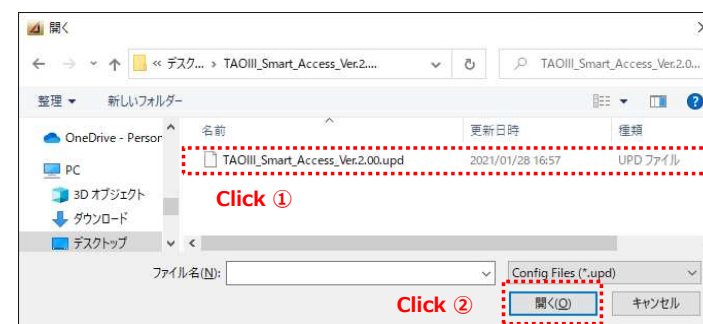
### Update TAOIII

#### III Update TAOIII

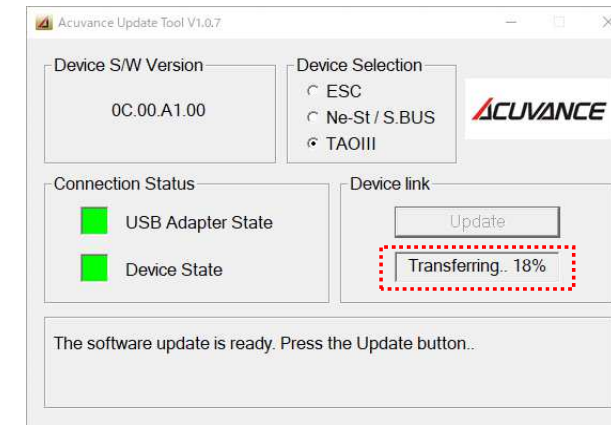
III-① From the state of II-④, click "Start".



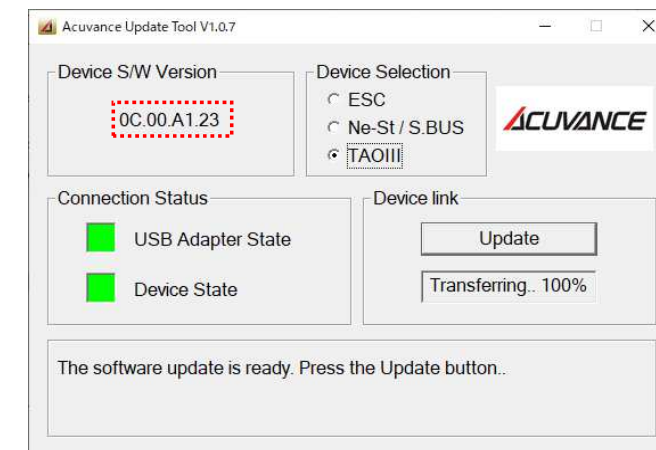
III-③ Click the firmware downloaded in [I] to select it, and then click



III-④ The update will start and the percentage count will start to



III-⑤ When it reaches 100 percent, the software version display will be updated. This completes the TAOIII update.



This completes the update.

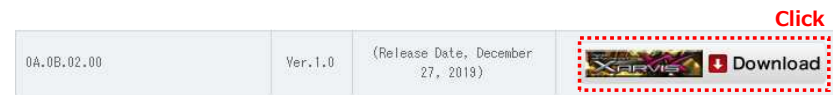
Remove the USB cable from TAOIII and enjoy the latest features.

**How to update XARVIS XX** ※Please install the common rewriting tool in advance. ※Please prepare Update Device Kit III (OP-15083) or II (OP-15064) separately.

**Preparation**

**I Download the firmware for XARVIS XX from the homepage**

**I-①** Click the Download Firmware for XARVIS XX button on the XARVIS XX product page on our homepage. ((Download is free))



**I-②** Click Open file



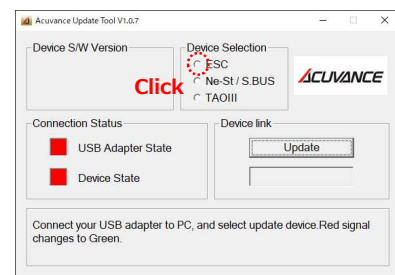
**I-③** If there is [[Ver. ○. ○] 0A.0B. ○○ .00.kyc] in the opened folder, the firmware file download is complete. This file will be used in the later process (III-②), so please check the storage location (desktop, etc.).

**II Confirm whether the PC recognizes the USB**

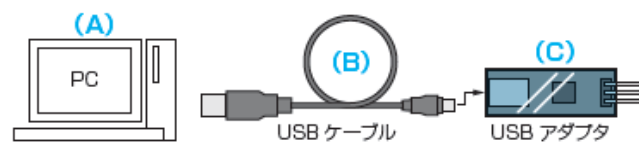
**II-①** Double-click the icon of the rewriting tool for XARVIS · AIRIA · Ne-St and start the rewriting tool.



**II-②** In the device selection, select (click) ESC.



**II-③** Connect the PC (A) and the USB adapter (C) using the USB cable (B) of the update device kit.

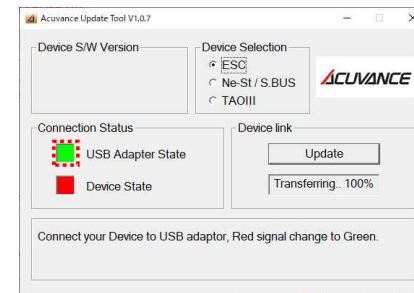


If the installation of the device driver does not complete normally, please refer to the following solution.

"How to deal with when the USB adapter does not start properly (the LED does not change from red to green) only after downloading Tachyon Tao exclusive update tool and Tachyon Airier exclusive update tool (PDF)"

"What to do when" USB adapter connection status "does not change from red to green using Windows 8 or later PC"(The PDF file is in the rewriting tool download page)

**II-④** If "USB adapter connection status" switches from red to green, the PC has recognized the USB adapter properly.



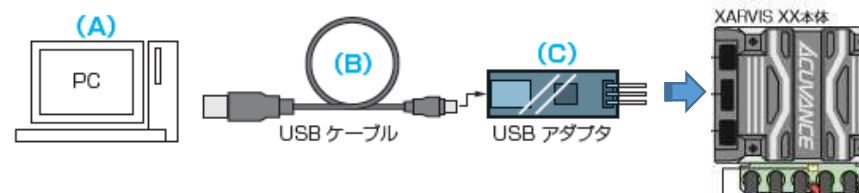
**Now you are ready to update. Please continue to III-①.**

**Update XARVIS XX**

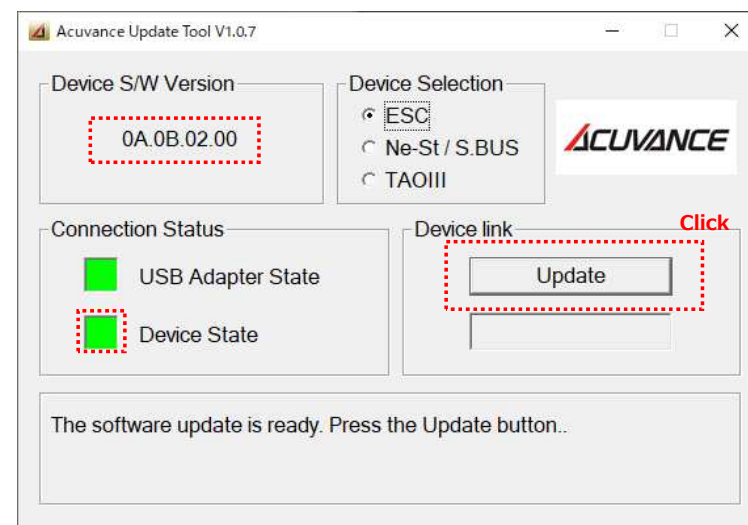
**III Update XARVIS XX**

**Be sure to remove the battery from the XARVIS XX when updating**

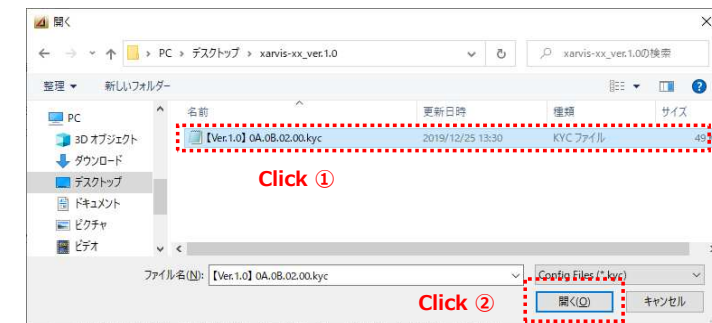
**III-①** Update starts from the state of II-④. First, connect the USB adapter (C) and the LINK terminal of XARVIS XX with an RX cable (RX cable for XARVIS XX, etc.).



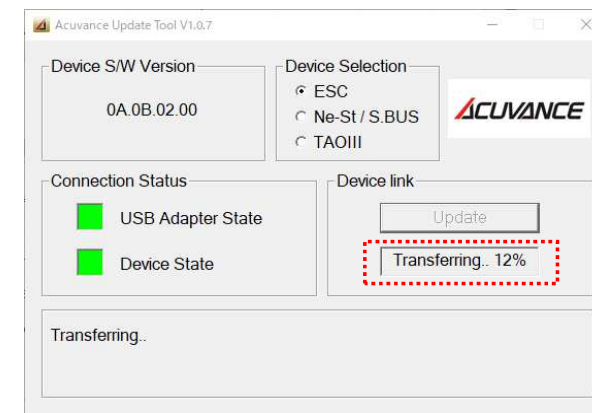
**III-②** When the XARVIS XX is connected and the PC recognizes the XARVIS XX normally, the "Software Version" shows the firmware currently installed in the XARVIS XX, and the "Device Connection Status" switches from red to green. (If it does not switch, repeat connecting and disconnecting the RX cable until it switches.)



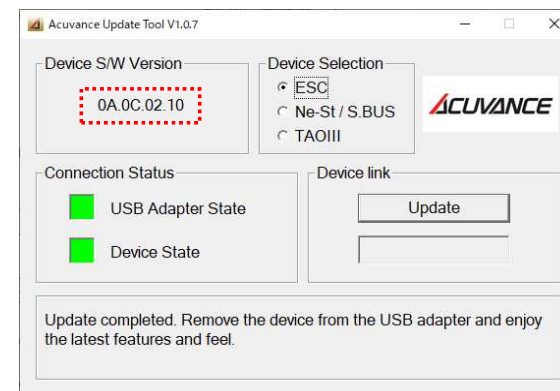
**III-③** Click the firmware downloaded in I to select it, and then click "Open".



**III-④** The update will start and the percentage count will start to



**III-⑤** When it reaches 100 percent, the software version display will be updated.



**This completes the update. Remove the cable from the XARVIS XX and enjoy the latest**

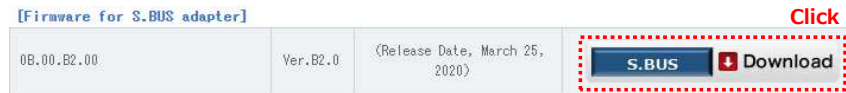
## How to update the S.BUS adapter (OP-15067)

※Please prepare the update device kit III (OP-15083) or II (OP-15064) and the conversion cable for updating the S.BUS adapter (OP-

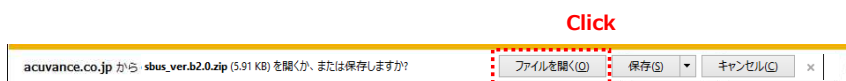
### Preparation

#### I Download the S.BUS adapter firmware from the homepage

I-① Click the "For S.BUS Adapter" firmware download button on the XARVIS XX product page on our homepage. (Download is free)



I-② Click Open File.



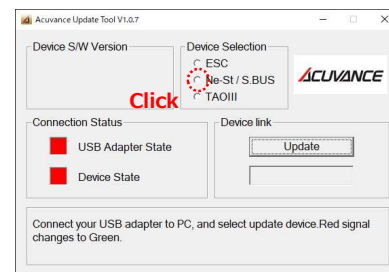
I-③ If there is [[Ver.B ○ .0] 0B.00.B ○ .00.upd] in the opened folder, the firmware file download is complete. This file will be used in a later process (III-③), so check the storage location (desktop, etc.).

#### II Check if the PC recognizes the USB adapter

II-① Double-click the icon of the common rewrite tool to start the rewrite tool.



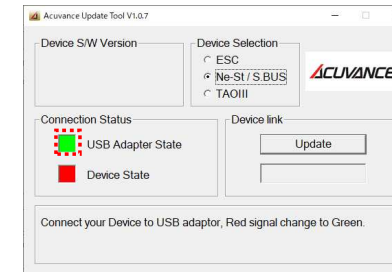
II-② In the device selection, select (click) Ne-St / S.BUS.



II-③ Use the USB cable (B) of the update device kit to connect the PC (A) and the USB adapter (C). Only when the USB adapter is connected to the PC for the first time, the device driver software installation message is displayed at the bottom right of the



II-④ If the "USB adapter connection status" changes from red to green, the PC normally recognizes the USB adapter.

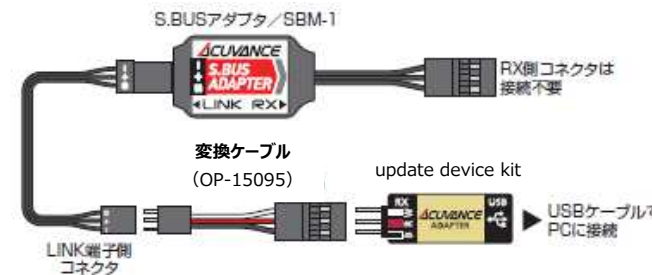


Now you are ready to update. Please continue to III-①.

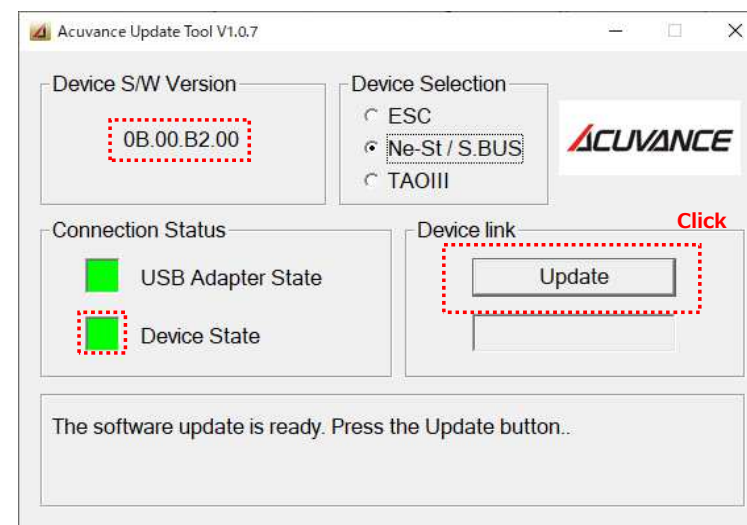
### Update the S.BUS adapter

#### III Update the S.BUS adapter

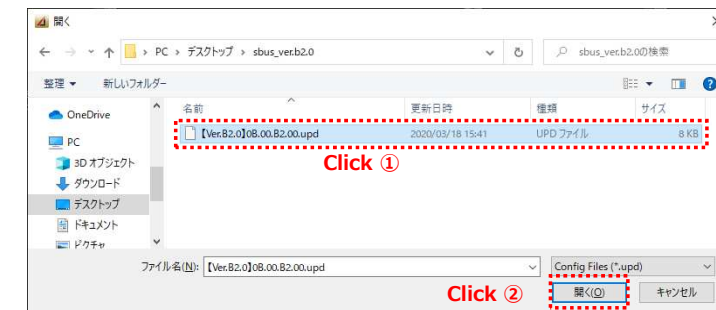
III-① Update starts from the state of II-④. First, connect the S.BUS adapter to the PC using "Update Device Kit III or II" and "S.BUS Adapter Update Conversion Cable (OP-15095)" as shown below.



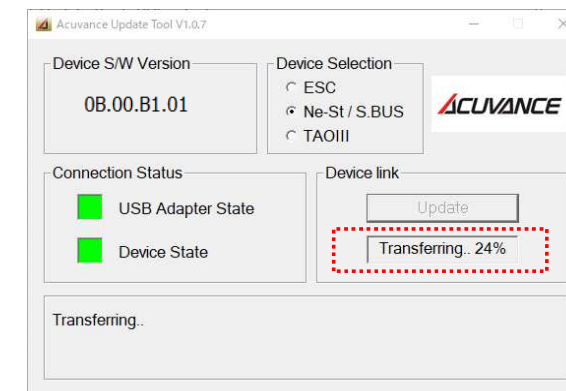
III-② When the S.BUS adapter is connected and the PC recognizes it normally, the firmware currently installed in the S.BUS adapter is displayed in "Software version", and the "Main unit connection status" switches from red to green. Then click "Start".



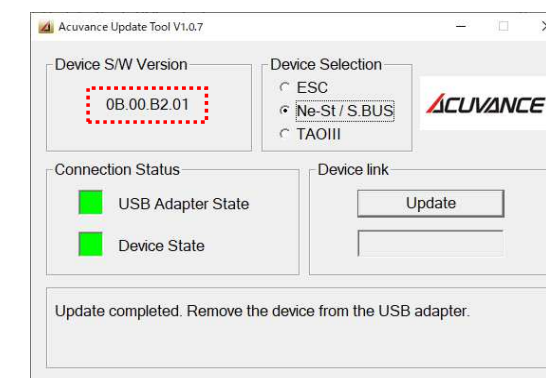
III-③ Click the firmware downloaded in I to select it, and then click "Open".



III-④ The update will start and the percentage count will start to



III-⑤ When it reaches 100 percent, the software version display will be updated.



This completes the update. Remove the S.BUS adapter from the cable and enjoy the latest



**How to update of XARVIS** ※ Please finish installing the rewriting tool for XARVIS · AIRIA · Ne-St in advance (Updates are still available as before with the old rewrite tool [Update - 8051]) ※ Please separately prepare the update device kit (OP - 87052 or OP - 15083)

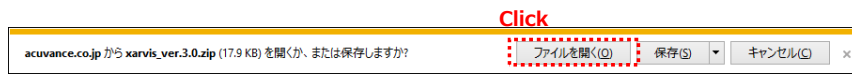
### Preparation

#### I Download XARVIS firmware from the website

I-① Click on the download icon of "firmware for XARVIS" in our website, [product update]. (Download is free of charge)



I-② Click Open file (O).



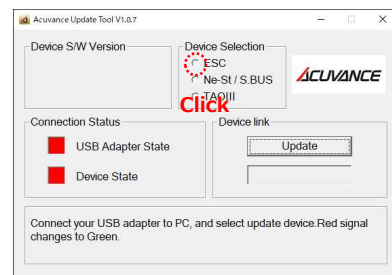
I-③ If [XARVIS Ver. 〇. 〇. Kyc] is found in the opened folder, downloading of the firmware file is completed. Since this file is used in the later process (III - ②), please check the storage location (desktop etc).

#### II Confirm whether the PC recognizes the USB adapter.

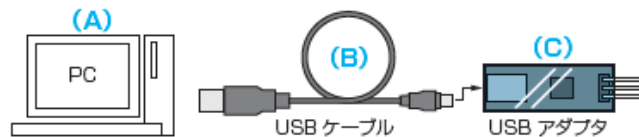
II-① Double-click the icon of the rewriting tool for XARVIS · AIRIA · Ne-St and start the rewriting tool.



II-② In the device selection, select (click) ESC.



II-③ Connect the PC (A) and the USB adapter (C) using the USB cable (B) of the update device kit.

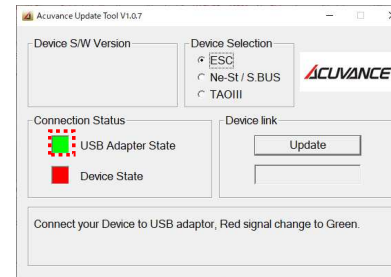


If the installation of the device driver does not complete normally, please refer to the following solution.

"How to deal with when the USB adapter does not start properly (the LED does not change from red to green) only after downloading Tachyon Tao exclusive update tool and Tachyon Airier exclusive update tool (PDF)"

"What to do when" USB adapter connection status "does not change from red to green using Windows 8 or later PC"(The PDF file is in the rewriting tool download page)

II-④ If "USB adapter connection status" switches from red to green, the PC has recognized the USB adapter properly.



This completes preparation for updating. Continue to III - ①.

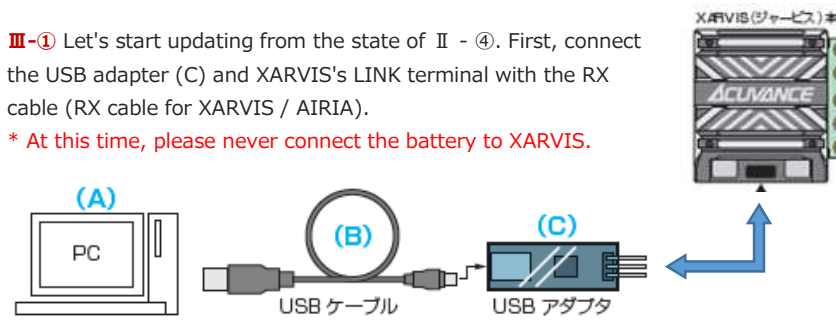
### Updating XARVIS

#### III Updating XARVIS

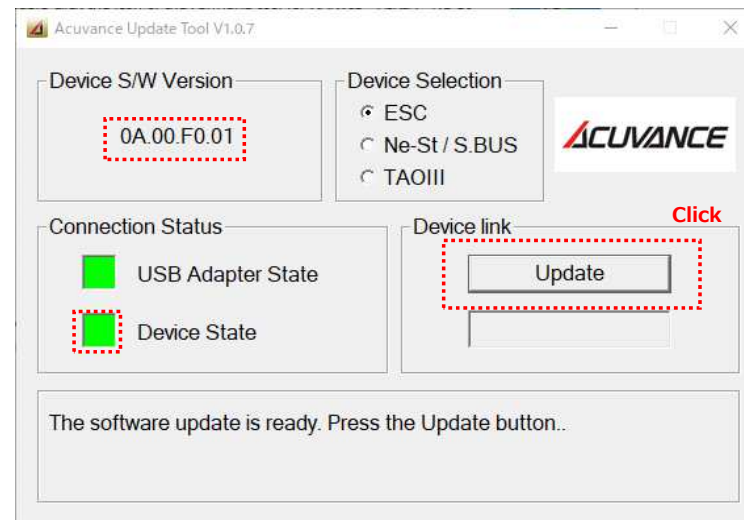
**Be sure to remove the battery from the XARVIS when updating**

III-① Let's start updating from the state of II - ④. First, connect the USB adapter (C) and XARVIS's LINK terminal with the RX cable (RX cable for XARVIS / AIRIA).

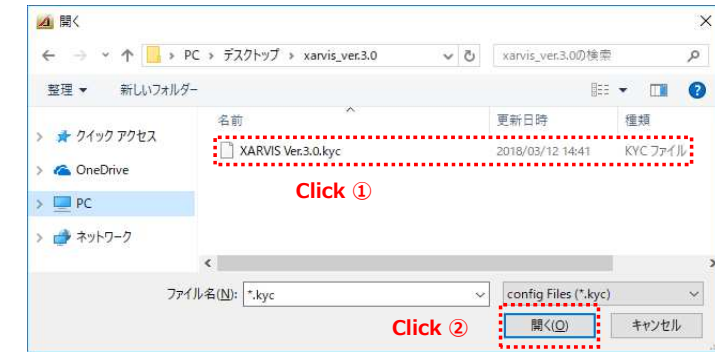
\* At this time, please never connect the battery to XARVIS.



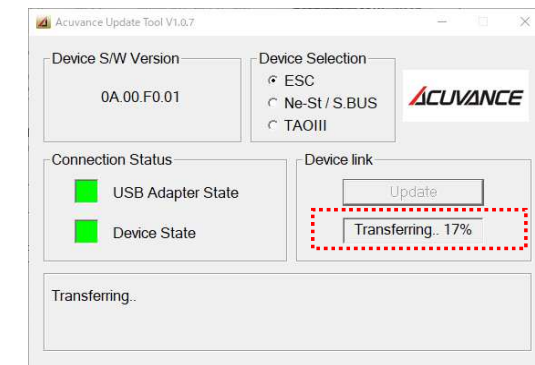
III-② When XARVIS is connected and the PC recognizes XARVIS correctly, "firmware installed currently in XARVIS is displayed in" software version "and" main unit connection status "switches from red to green. (If it doesn't switch, repeat plugging and unplugging of the RX cable until it switches.) Then click "Start".



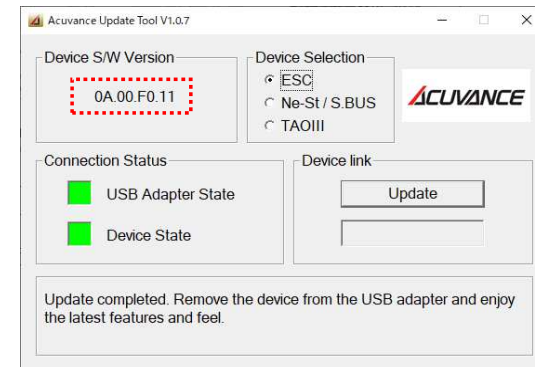
III-③ Click the firmware downloaded with I to make it selected, and click "Open".



III-④ The update starts and the percentage count up starts.



III-④ When it reaches 100%, "Update success" is displayed and the software version display is updated. XARVIS update is complete.



This completes the update.

Remove XARVIS from the cable and please enjoy the latest performance.

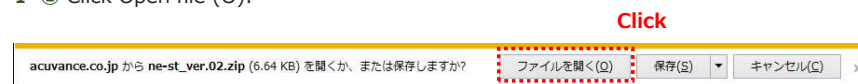
### Preparation

#### I Download Ne-St firmware from the website

I-① Click on the download icon of "firmware for Ne-St" in our website, [product update]. (Download is free of charge)



I-② Click Open file (O).



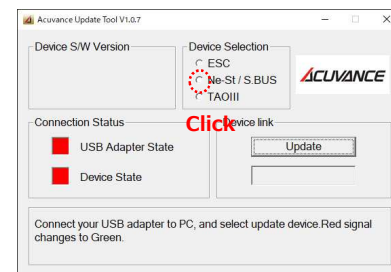
I-③ If [Ne-St\_Ver.〇〇.upd] is found in the opened folder, downloading of the firmware file is completed. Since this file is used in the later process (III - ②), please check the storage location (desktop etc).

#### II Confirm whether the PC recognizes the USB adapter.

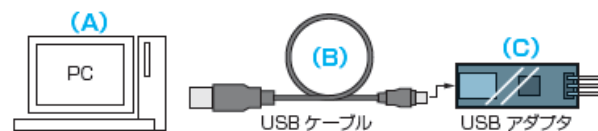
II-① Double-click the icon of the rewriting tool for XARVIS · AIRIA · Ne-St and start the rewriting tool.



II-② Click on Ne-St of DEVICE Selection.



II-③ Connect the PC (A) and the USB adapter (C) using the USB cable (B) of the update device kit.

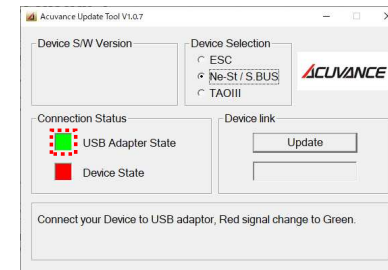


If the installation of the device driver does not complete normally, please refer to the following solution.

"How to deal with when the USB adapter does not start properly (the LED does not change from red to green) only after downloading Tachyon Tao exclusive update tool and Tachyon Airier exclusive update tool (PDF)"

"What to do when" USB adapter connection status "does not change from red to green using Windows 8 or later PC" (The PDF file is in the rewriting tool download page)

II-④ If "USB adapter connection status" switches from red to green, the PC has recognized the USB adapter properly.

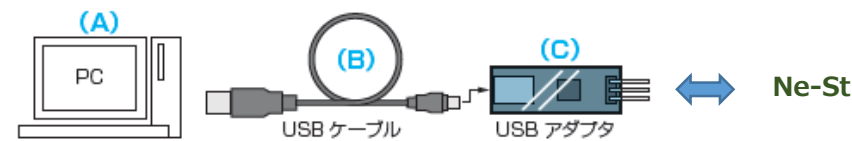


This completes preparation for updating. Continue to III - ①.

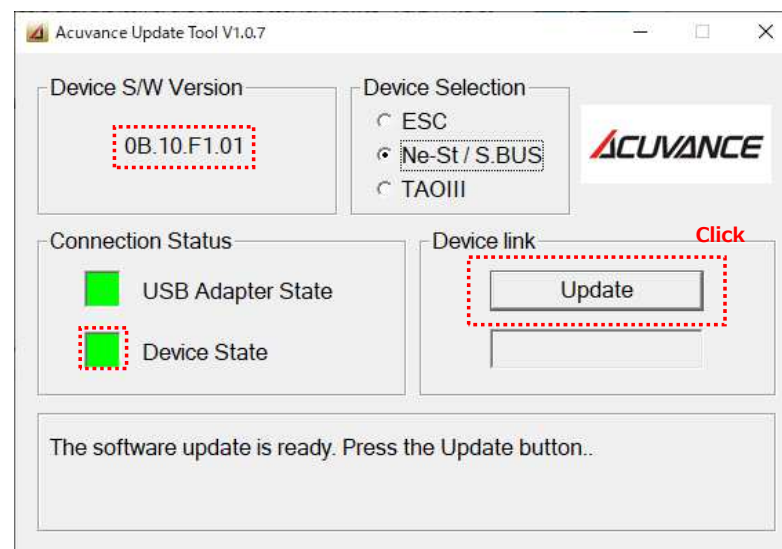
### Updating Ne-St

#### III Updating Ne-St

III-① Let's start updating from the state of II - ④. First, connect the USB adapter (C) and the Ne-StLINK terminal with the cable (XARVIS / AIRIA RX cable can not be used) included in the update device kit.



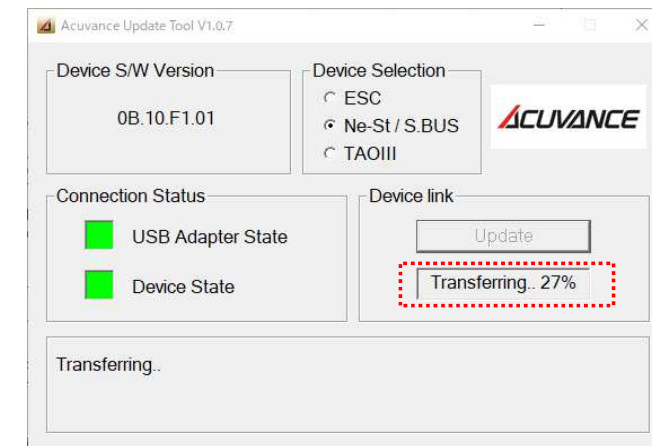
III-② When Ne-St is connected and the PC recognizes Ne-St correctly, "firmware installed currently in Ne-St is displayed in" software version "and" main unit connection status "switches from red to green. (If it doesn't switch, repeat plugging and unplugging of the RX cable until it switches.) Then click "Start".



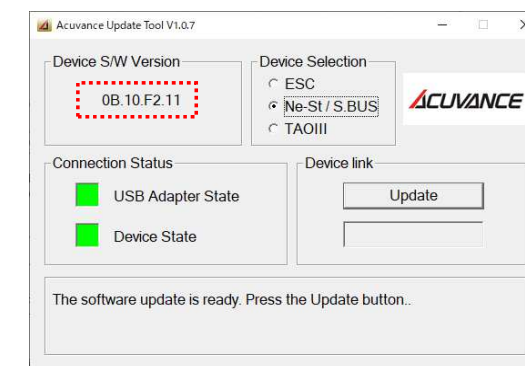
III-③ Click the firmware downloaded with I to make it selected, and click "Open".



III-④ The update starts and the percentage count up starts.



III-④ When it reaches 100%, the software version display is updated. Ne-St update is complete.



This completes the update.

Remove the Ne-St from the cable and please enjoy the latest setting.

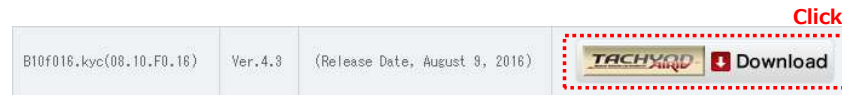


## How to update of AIRIA ※Please finish installing the rewriting tool for XARVIS · AIRIA · Ne-St in advance (Updates are still available as before with the old rewrite tool [Update - 8051]) ※Please separately prepare the update device kit (OP - 87052 or OP - 15064)

### Preparation

#### I Download AIRIA firmware from the website

I-① Click on the download icon of "firmware for AIRIA" in our website, [product update]. (Download is free of charge)



I-② Click Open file (O).



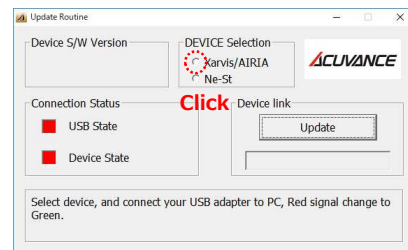
I-③ If [B10f000.kyc] is found in the opened folder, downloading of the firmware file is completed. Since this file is used in the later process (III - ②), please check the storage location (desktop etc).

#### II Confirm whether the PC recognizes the USB adapter.

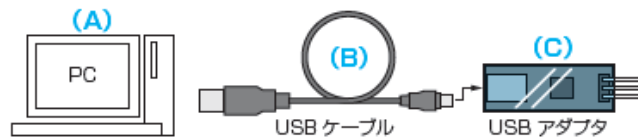
II-① Double-click the icon of the rewriting tool for XARVIS · AIRIA · Ne-St and start the rewriting tool.



II-② Click on XARVIS / AIRIA of DEVICE Selection.



II-③ Connect the PC (A) and the USB adapter (C) using the USB cable (B) of the update device kit.

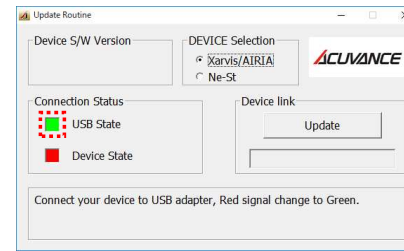


If the installation of the device driver does not complete normally, please refer to the following solution.

"How to deal with when the USB adapter does not start properly (the LED does not change from red to green) only after downloading Tachyon Tao exclusive update tool and Tachyon Airier exclusive update tool (PDF)"

"What to do when" USB adapter connection status "does not change from red to green using Windows 8 or later PC" (The PDF file is in the rewriting tool download page)

II-④ If "USB adapter connection status" switches from red to green, the PC has recognized the USB adapter properly.



This completes preparation for updating. Continue to III - ①.

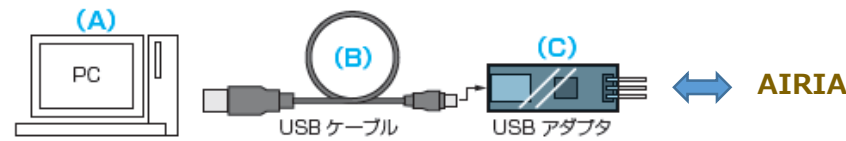
### Updating AIRIA

#### III Updating AIRIA

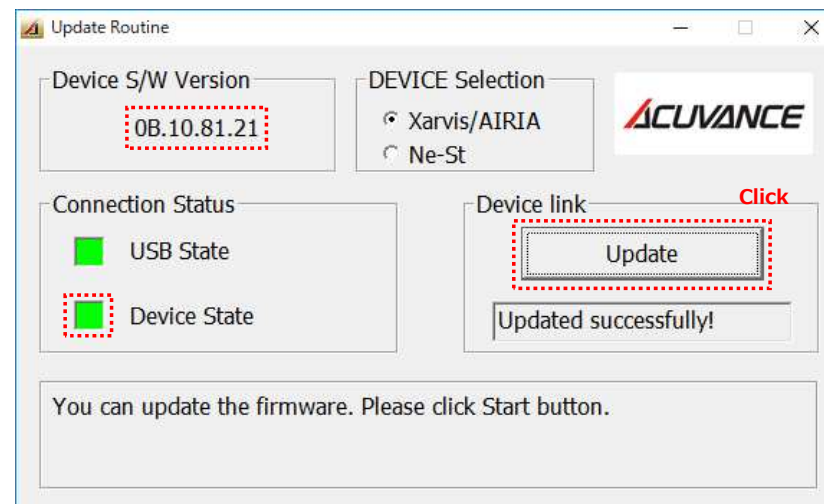
**Be sure to remove the battery from the AIRIA when updating**

III-① Let's start updating from the state of II - ④. First, connect the USB adapter (C) and AIRIA's RX terminal with the RX cable (RX cable for XARVIS / AIRIA).

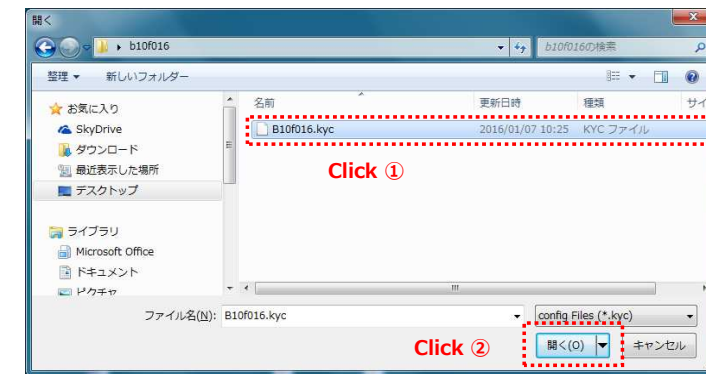
\* At this time, please never connect the battery to AIRIA.



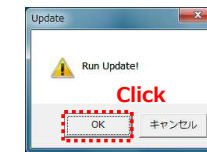
III-② When AIRIA is connected and the PC recognizes AIRIA correctly, "firmware installed currently in AIRIA is displayed in" software version "and" main unit connection status "switches from red to green. (If it doesn't switch, repeat plugging and unplugging of the RX cable until it switches.) Then click "Start".



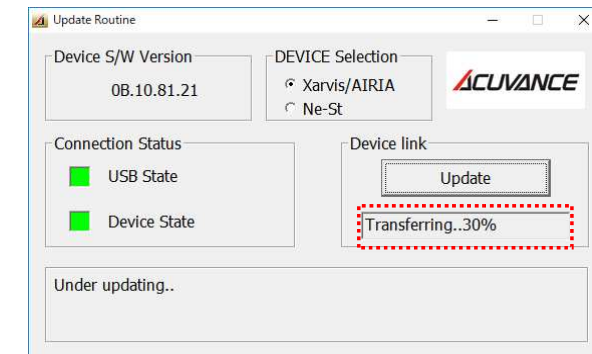
III-③ Click the firmware downloaded with I to make it selected, and click "Open".



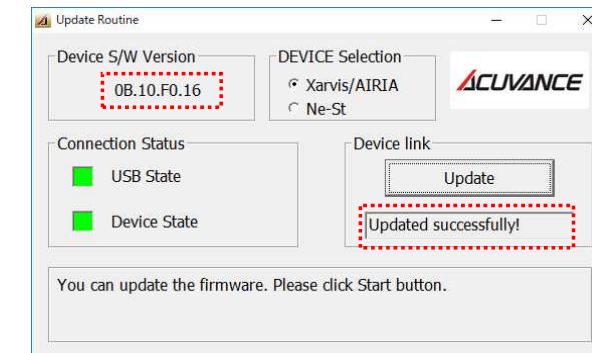
Click "OK"



III-④ The update starts and the percentage count up starts.



III-④ When it reaches 100%, "Update success" is displayed and the software version display is updated. AIRIA update is complete.



This completes the update.

Remove AIRIA from the cable and please enjoy the latest performance.