Installation Guide

(for Windows7/Windows8/Windows8.1/Windows10)

Revised on June 29th 2021

Revised history

2021 June 29th
  - Adding the description regarding the preparation during Bluetooth
    connection.

2020 September 11th
  - Unifying the descriptions in "Restrictions" with those in "Restrictions_Please be
    sure to read me_NPI_IG3.2.2.0….txt" and the setting guide.

2019 August 27th
  - Changing the description for setup executing operation (P.7).

2018 October 4th-
  - Correcting the description mistakes.
  - Adding the notes in the chapter of LAN connection (P.8).

Document disclaimer

• The descriptions in this document are taken all possible measures to ensure the correctness. However, if you find any suspicious points, errors, omissions, etc., please contact us.

• Descriptions are subject to change without prior notice.
 Please ask for up-to-date information.

• Reprinting, copying, duplicating, or falsifying part or all of the contents of this document without permission is strictly prohibited.

• Please note that we do not take any responsibility for the effects caused by the results of use.

• We assume no responsibility whatsoever for any damages resulting from improper use, the use without understanding of descriptions in this document or the repair and the change by the third party.

Regarding Trademarks

MS-DOS®, Microsoft®, Win32®, Windows®, Windows Vista®, Visual Studio®, Visual Basic®, Visual C++®, and Visual C#® are registered trademarks of Microsoft Corporation in the US and other countries.

Signs

Following signs are used in this document. Please use the products on the base of understanding of the signs.
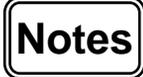
Notes	It indicates the precautions to be observed fully. Disregard of the signs and wrong usage may cause malfunction and inoperative.
Reference	It indicates supplement description and relevant matters.

Restrictions for use

In the event that this product is used with devices that require high reliability and safety for function and accuracy, etc. directly on conveyance including aircraft, train, ship or vehicle; etc., disaster prevention and security devices, etc., users should use products after considering the safety design of the whole system by applying fail-safe or redundancy design in order to maintain reliability and safety.
This product is not designed to use with devices that require extremely high reliability and safety including aerospace mechanism, devices for trunk communication, nuclear control device or medical services. Users should ascertain and evaluate suitability of these products for those applications.

Table of contents

· Installation Guide

Introduction

Screens or operations described in this document are based on the result of those performed by the users who have administration authority.

Notes

If they are performed by the users without an administration authority, it may be required.

Restrictions

1. It is necessary to apply ".net FramWork2.0" or later.
2. When using NiiPrinerLib.dll or NPrinterLib.dll under ".net FramWork1.1", there may be cases for which controlling errors is required by applications.
3. During the serial connection, there may be a case in which "??" is printed at OS activating timing or when it is returned from the hibernation.
4. Please use this driver after checking the checkbox of " Advance ==> Enable advanced printing features". (EMF spool setting)
5. Using it by multiusers cannot be guaranteed.
6. Resources reservation name
   Shared memory： Global¥¥SHMEM/・・・/monitor/status
   Each printer's name is inserted to the part of "・・・" in this name.
7. It is impossible to get the correct status information when applying multiple printer drivers to a port.
8. It is impossible to get the correct status information when controlling the printer with the direct communication to the target printer.
9. Driver set up should be done with administrator authorization.
10. User switching is not supported when using a shared printer.
11. Although this driver has the logging function of IN and OUT to the ports, it is not for assuring inputs and outputs.
12. There may be no data in the generated log files during the log file output.
13. Since NPIDelDev.exe needs to be used for deletion by NPI_Uninstaller.exe under 64bit environment, please allocate NPI_Uninstaller.exe and NPIDelDev.exe in the same folder.
14. When the printer power supply ON and OFF (including software-reset) are repeated during the serial communication, it may be judged as OFFLINE temporarily.
15. Items which can be set by this driver are not always supported by the printers.
16. Administration authorization is required when using NPUninstaller.exe.
17. If the printer driver is deleted by NPIUninstaller.exe., it may be returned to the situation with the printer diver installed after restarting, etc.
    In this case, please delete the device by the device and the printer screen and delete the driver by the print server property screen.

Introduction

Restrictions

18. Please restart the PC before installing the driver again.
19. Please note that using multiple printers with Bluetooth connections and using multiple printers with both Bluetooth connections and COM connections cannot be done.
20. When using TCP/IP port, please do not change the port name which is generated by the Setup tool.
21. When using the library and both the library and the driver have the direct communications to the same port, communications are not guaranteed.
22. When Bluetooth connection is used, please note that there may be cases in which the transition from ONLINE to OFFLINE or reverse direction will take from 5 seconds to 60 seconds (more than 60 seconds in some cases).
    (Regarding the ONLINE/OFFLINE transition, please check it by the status display.)
23. Status will be received by the driver at the connection.
24. When the printer name is changed, reactivating the spooler is required.
25. Firmware version 1.01 or later supports NEX-C200 with this driver.
    * Please use old Integration Driver 1.0.8.0 when firmware version is 1.00.
26. Although image transformation function in the color control in the format settings can be used by setting the grayscale in "Advanced ==> Color printing mode", printing ticket length may not be processed properly.

Introduction

Things to check before starting the installation

Please complete the preparation before installing this driver by following the procedure below.

- Checking whether the printer is connected.
- Checking whether the printer is connected properly.
- Preparing the files. It they are zipped, please unzip them beforehand.

# 1. Preparation before connecting with Bluetooth interface

・ **Pairing with PC is required for using the driver connected with Bluetooth interface.**

Please perform the pairing between the PC and the printer.by following the procedure below.

    1) Turning the PC power ON.

    2) Turning the printer power ON.

    3) Opening the "Windows Settings" and click the "Devices".
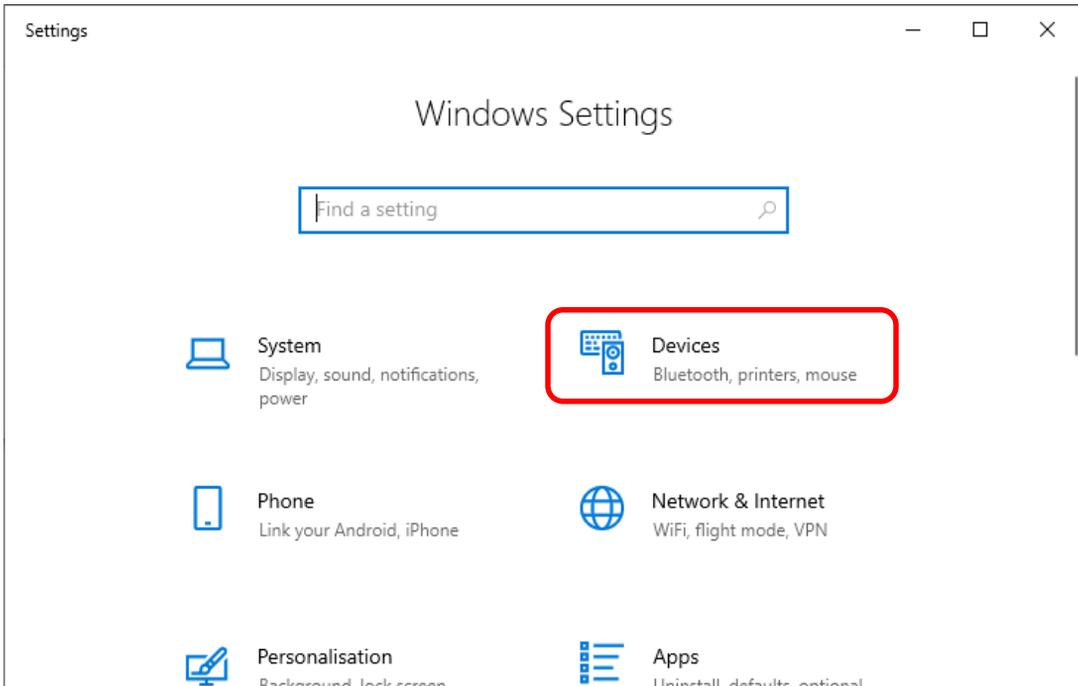
    4) Making the "Bluetooth" ON from the "Bluetooth & other devices" and clicking the "Adding Bluetooth or other devices".

←**Move the button to"ON".**
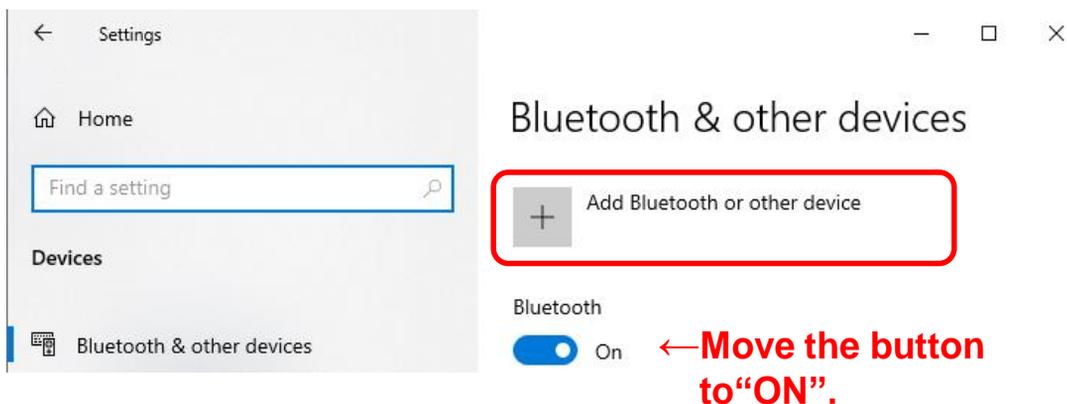
1. Preparation before connecting with Bluetooth interface

5) "Add a device" screen will be opened. Selecting "Bluetooth".
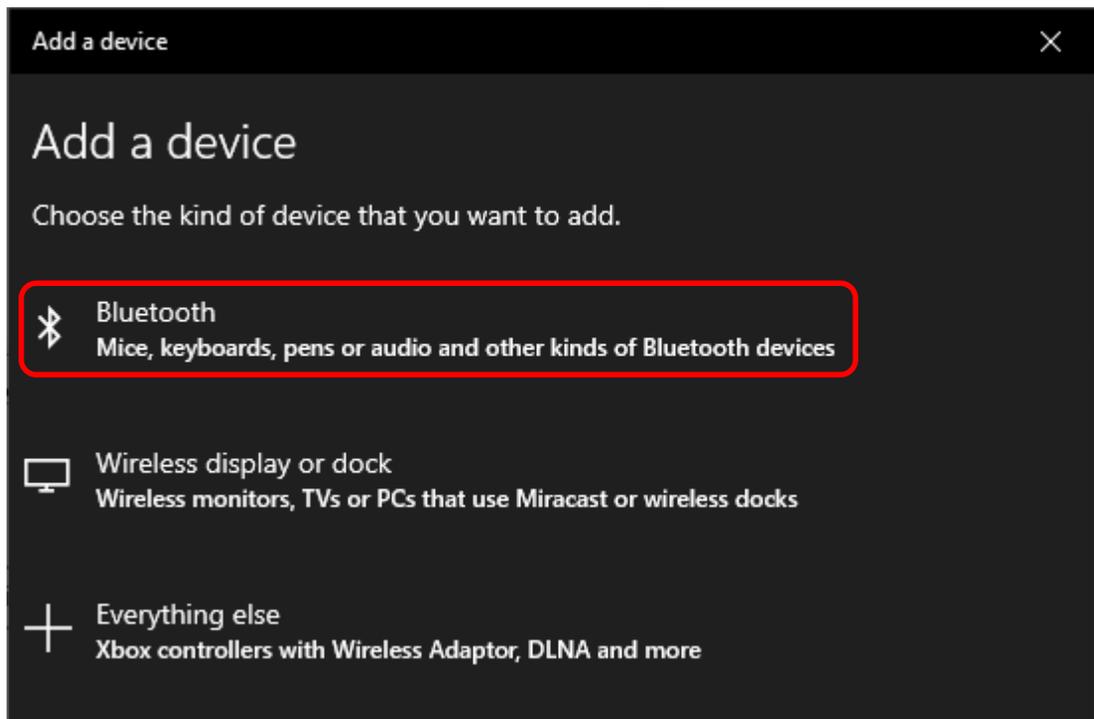
6) Selecting the printer with Bluetooth interface to be connected.
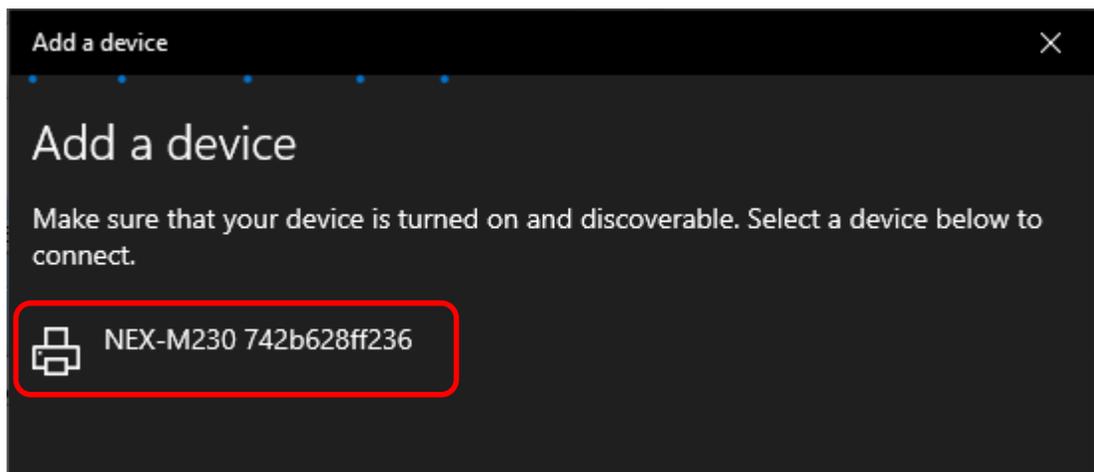
* When no printer is not displayed, there may possibly be printers which cannot be paired.
Please check whether the set interface for the printer is "Bluetooth" and whether the printer has not been paired with another device, etc.

1. Preparation before connecting with Bluetooth interface

7) Confirming that the device has been prepared in the following screen.
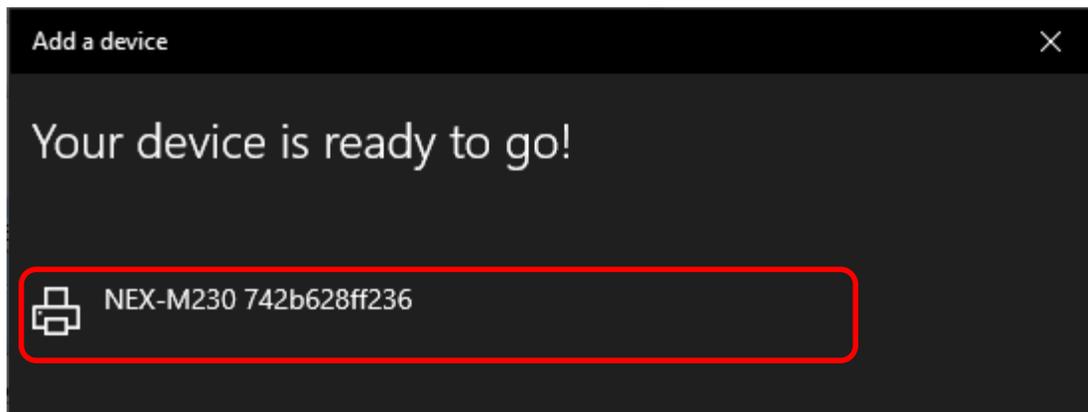
8) Returning to "Bluetooth & other devices" screen and click "More Bluetooth options".
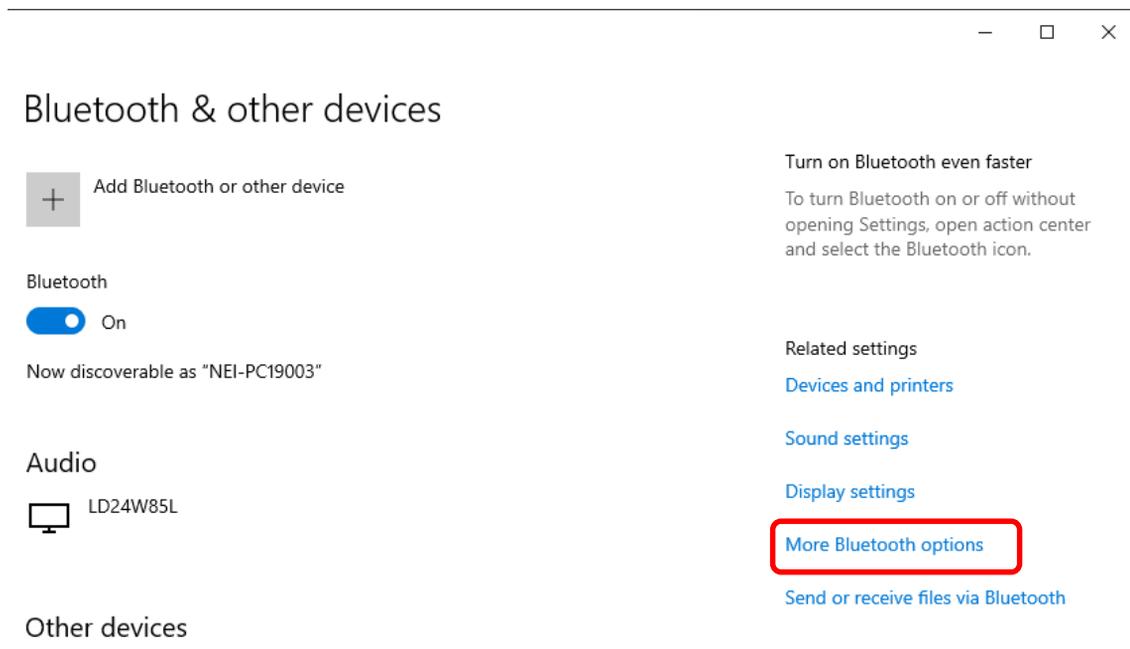
1. Preparation before connecting with Bluetooth interface

9) "Bluetooth Settings" screen will be opened. Please check the ports connected to the printers in the screen with "COM ports" tab and specify the target COM port in the "Serial connection" when setting up the driver.
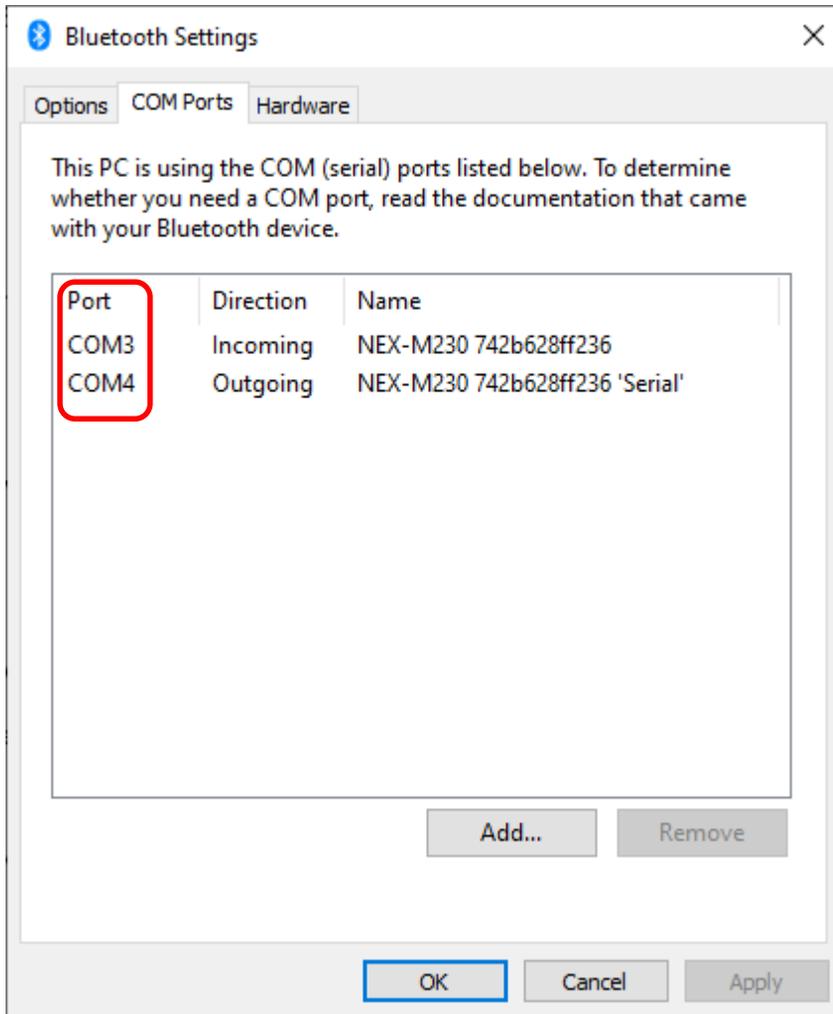

* Although multiple ports are displayed for being used ports for a printer, please use the port which can be used for transmitting (displayed as "Outgoing") ("COM4" in the sample screen above) in this case.

2. Installing

- **Please install the printer driver, NPrinterLib and other printer information files, etc.**

  Please connect the system to the printer and perform the necessary steps by following the procedure below.

    1) Turning the PC power ON.
    2) Turning the printer power ON.
    3) Connecting the printer to the PC after printer start-up is completed..
    4) Saving the downloaded files in the local folder after unzipping them.
    5) Right-clicking Setup.exe in the downloaded files and select "Run as administrator" in the menu.
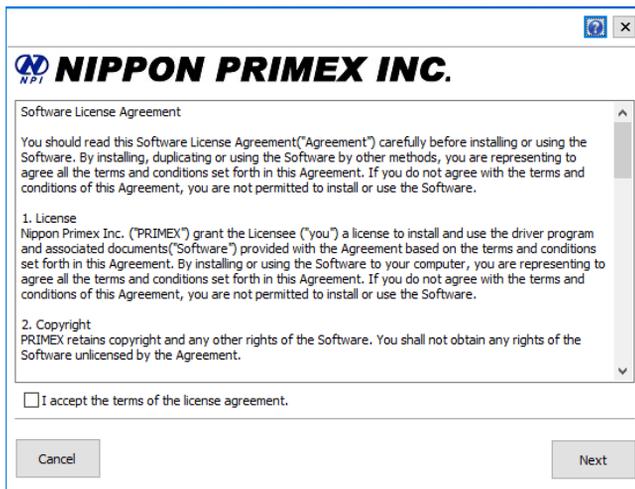
    6) When you agree to "Software License Agreement",
       please check "I accept the terms of the license agreement" and click the [NEXT] button.

.

2. Installing
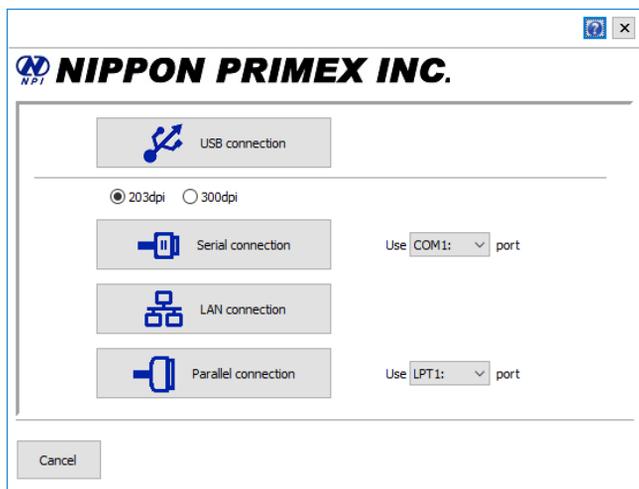
7) Clicking the button of interface to be used.

* Please click the button after selecting the port already connected when serial connection or parallel connections will be selected.
   When USB connection button, serial connection button or parallel connection button is selected., setting-up will start immediately and driver installation completion will be notified when it finishes.
   When "Serial connection". "LAN connection" or "Parallel connection" is selected, please select "dpi" for the printer to be connected.

8) At the time of LAN connection, the screen right below will be displayed.
   If the screen left below is displayed, please go to Windows "Administrative Tool" and proceed to start "Services ==> NServiceDrv" for releasing the screen and getting the screen right below.
   * When the target printer is not displayed, please click the button to update the list.
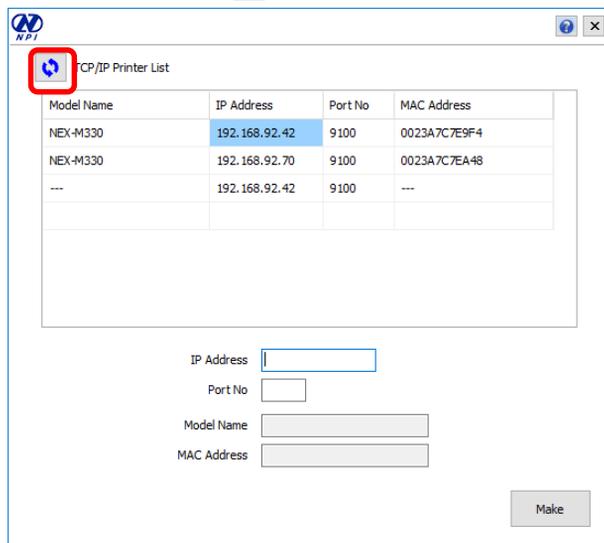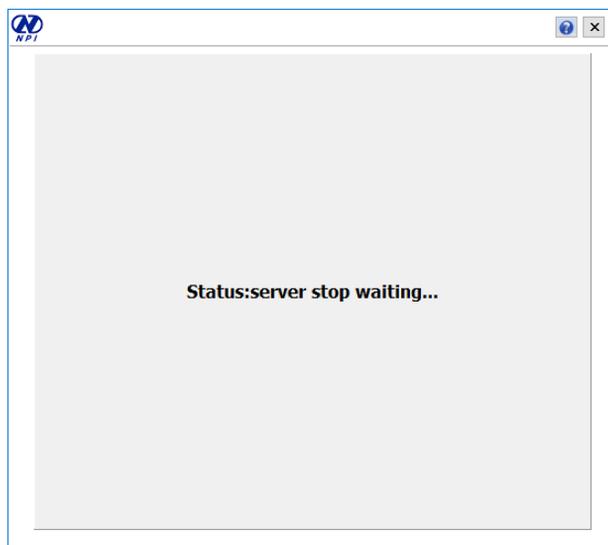
2. Installing

9) After boxes on the read line squared part on the screen below will be filled with copied data by double-clicking the printer to be connected, please click the "Make" button. When setup is finished, driver installation completion will be notified

---
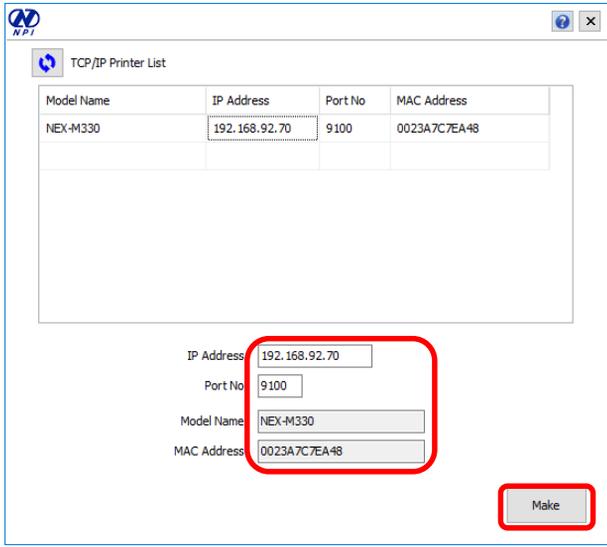
Notes

When the firewall permission screen is displayed and the list is not updated by clicking the ↻ button, please click it again.

3. Uninstalling

・ Please uninstall this driver by following the procedure below.

1). Executing "NPIUninstaller" in the downloaded files with administrator authority.

2). After selecting the target to be deleted, please click "Target Uninstall" button.
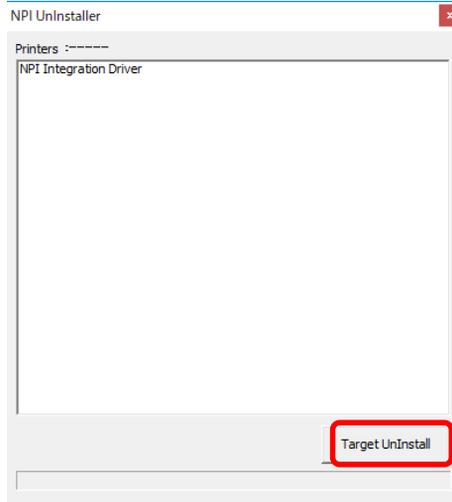
3). Please check whether "Finish!!" is displayed.
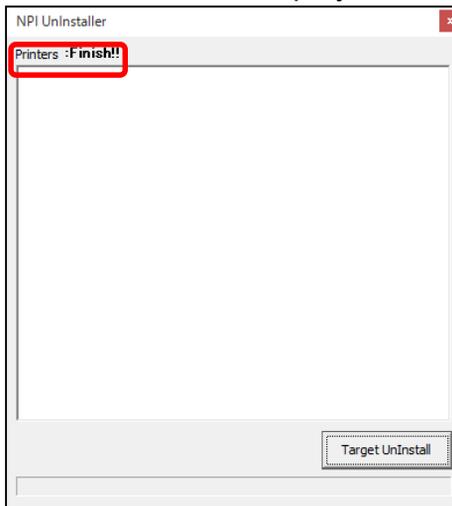
4). Please restart the PC.
   Uninstallation will be completed.

Notes

A printer name may be left in the "Device and Printer" screen in the control panel after uninstallation. Although it is left there, it cannot be used. Please execute "deleting device" by right-clicking the target printer name.