

NIPPON PRIMEX

CUPS Driver Guide

Version.1.1.0

(OS:Ubuntu Ver.12.04.1 Validated)

Revision 0.01 2013.03.26 Ver. 1.0

Nippon Primex Inc.

Head Office:

1-5-12 Unoki Ohta-ku Tokyo 146-8650 Japan

TEL :+81-3-3750-1234 FAX :+81-3-3750-4555

E-mail : overseas@primex.co.jp

URL : <http://www.primex.jp>

Revision history

Rev.	V.	Description			Approval	Pic
		Page	Item	Change		
0.01	1.0		New release		NPI	NPI

Table of contents

Revision history	2
Precaution	4
In the beginning	5
1. Installation	6
1.1. Install RPM file	6
1.1.1 How to install RPM file by command line.	6
2. Add a printer on CUPS	6
2.1. Manual installation(When USB connection)	6
2.2. Manual installation (When serial connection)	10
3. Driver function and setting	14
3.1. [Test page printing] Procedure	14
3.2. Default option change	15
3.2.1. Display of default option setting screen	15
3.2.2. General	16
3.2.3. Cut Options	16
3.2.4. Wait time Options	17
4. Uninstallation	18
4.1. Delete drivers from CUPS	18
4.2. Uninstall RPM file by command line.	18

Precaution

- (1) It is not accepted firmly to reprint a part of the contents of this document or all without permission.
- (2) The contents of this document may be changed without an advanced notification.
- (3) Even though the contents of this document were made minutely to be absolutely sure, please contact us if there is the aware point including the error by any chance.
- (4) Regarding the influence of result from operation, please understand that we cannot take responsibility regardless of item (3).
- (5) In case you do not agree to the above contents, you cannot use this driver.

Trade mark

Firefox, Ubuntu, others, company name, and product name are trademarks or registered trademark of each company.

In the beginning

CUPS (Common Unix Printing System) is the standard printing system of Linux.

The explanation in this document is for a person who is well informed in Linux.

In case you do not understand the explanation, please ask a person who is well informed in driver installation / setting.

The explanation in this document is based on that OS is Ubuntu (Ver.12.04.1) and CUPS and RPM Package Manager are installed in OS, and also they work normally.

【Environment confirmation】

Ubuntu ver.12.04.1

Kernel 3.2.0-31-generic-pae

CUPS 1.5.3

Firefox 15.0.1

***CUPS driver made by Nippon Primex Inc. was developed for OS, Ubuntu(Ver.12.04.1), so please understand that usage with other OS was not verified.**
In case usage with other OS, please use this driver on your responsibility.

1. Installation

1.1. Install RPM file

By installation, files (PPD file and filter file) in package file will be copied and the authority of copied file will be changed.

Procedure of RPM file installation is explained only by command line(Terminal).

*This is based on alien is installed.

Ex.: # apt-get install alien

1.1.1 How to install RPM file by command line.

Please activate root authority by su command.

Move CUPS to directory where RPM of driver exists.

Please issue the following command.

Ex.:# alien -i npci-cups-1.1.0-0.i386.rpm

*By attaching [-i] option, Conversion to deb package, Installation, and Deletion of converted deb package will be operated automatically.

2. Add a printer on CUPS

2.1. Manual installation(When USB connection)



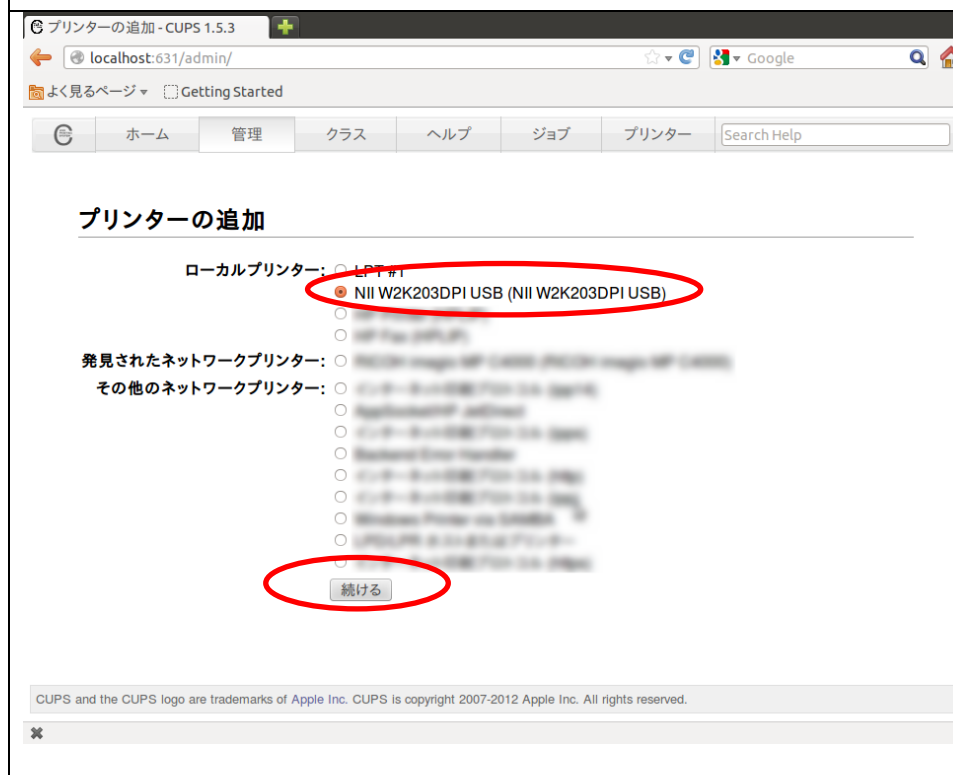
Enter 「http://localhost:631」 on browser and CUPS home screen will be displayed.



Select [Management] tag and click [Add printer].



When you are asked user name and password, enter administrator's user name and password and click [OK].



Select a printer name(*1) and click [Continue] button.

(*1)
USB connection character strings.

プリンターの追加 - CUPS 1.5.3

localhost:631/admin

よく見るページ ▾ Getting Started

ホーム 管理 クラス ヘルプ ジョブ プリンター Search Help

新しいプリンターの追加

名前:
("A", "#", スペースを除く文字を含めることができます)

説明:
("HP LaserJet with Duplexer" のように人が読みやすい説明)

場所:
("Lab 1" のように人が読みやすい場所)

接続:

共有: ☒ このプリンターを共有する

CUPS and the CUPS logo are trademarks of Apple Inc. CUPS is copyright 2007-2012 Apple Inc. All rights reserved.

Enter the favorite name in space of the name.
 If necessary, fill in space provided in explanation/place,
 After completion of entering all, Click [Continue] button.

*When sharing drivers, check at the box [Share this printer].

プリンターの追加 - CUPS 1.5.3

localhost:631/admin

よく見るページ ▾ Getting Started

ホーム 管理 クラス ヘルプ ジョブ プリンター Search Help

プリンターの追加

名前: NII_W2K203DPI_USB

説明:

場所:

接続: usb://NII/W2K203DPI%20USB

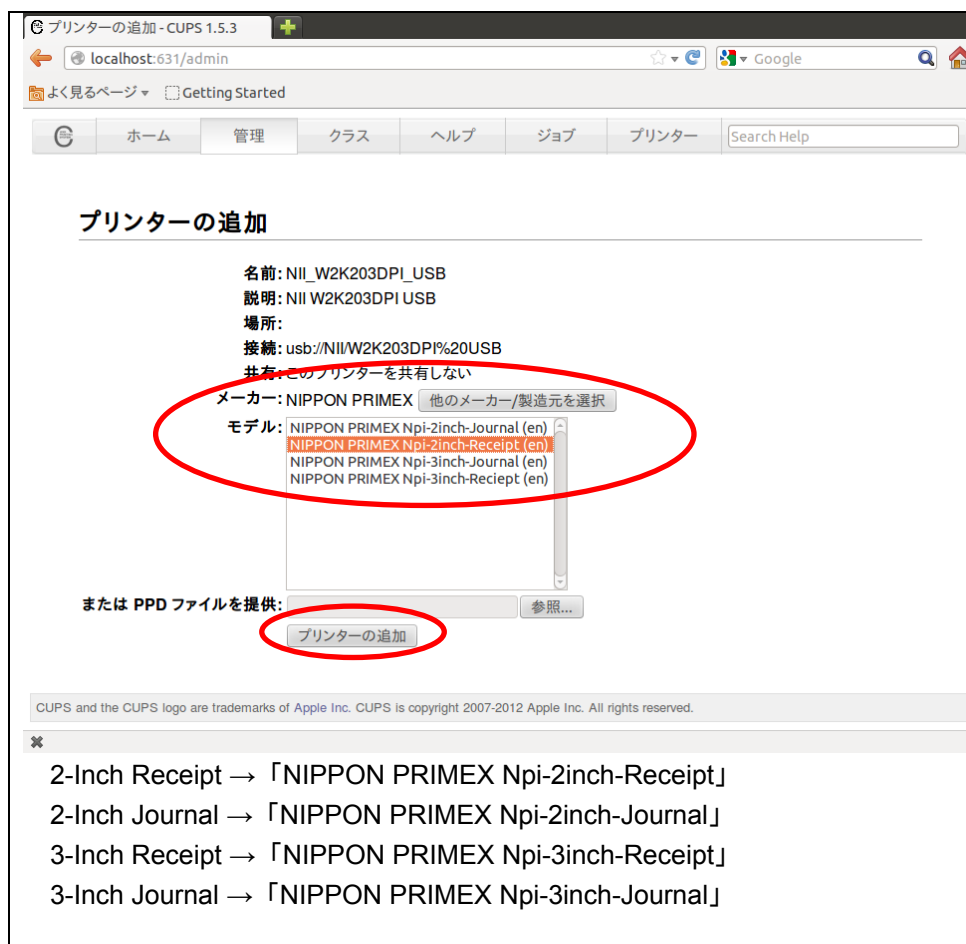
共有: ☒ このプリンターを共有しない

メーカー:

または PPD ファイルを提供:

CUPS and the CUPS logo are trademarks of Apple Inc. CUPS is copyright 2007-2012 Apple Inc. All rights reserved.

Select [NIPPON PRIMEX] in [Manufacturer] list, and click [Continue] button.



Select an item closer to a printer to use from [model] list and click [Add printer].



You can confirm addition of printer driver which is used in [Printer] Tab.

2.2. Manual installation (When serial connection)



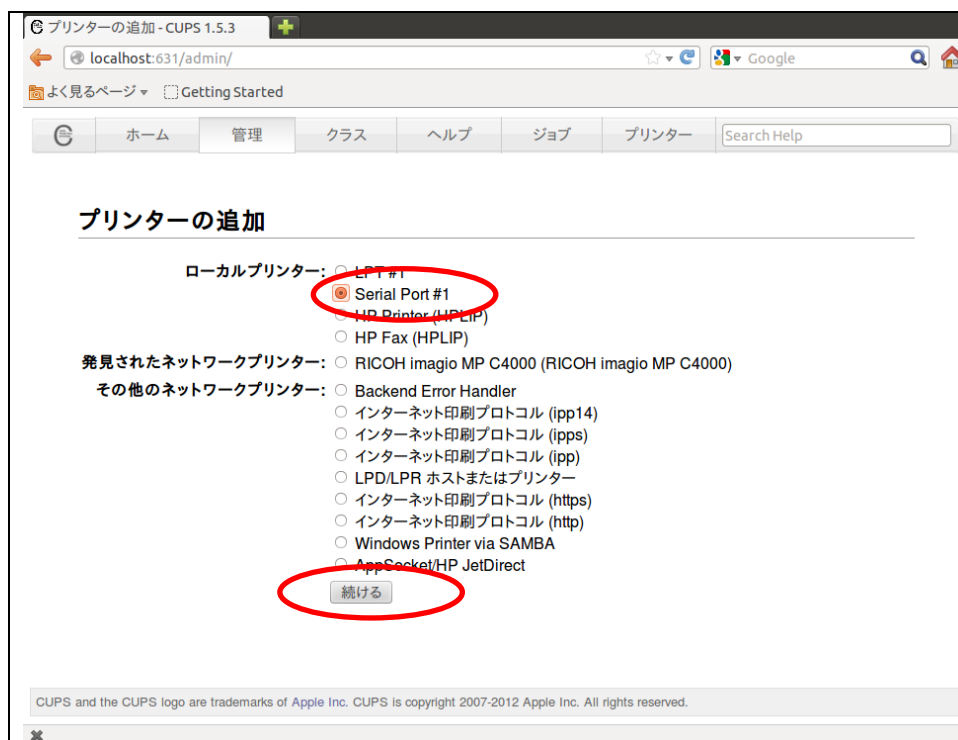
Enter 「http://localhost:631」 on browser and CUPS home screen will be displayed.



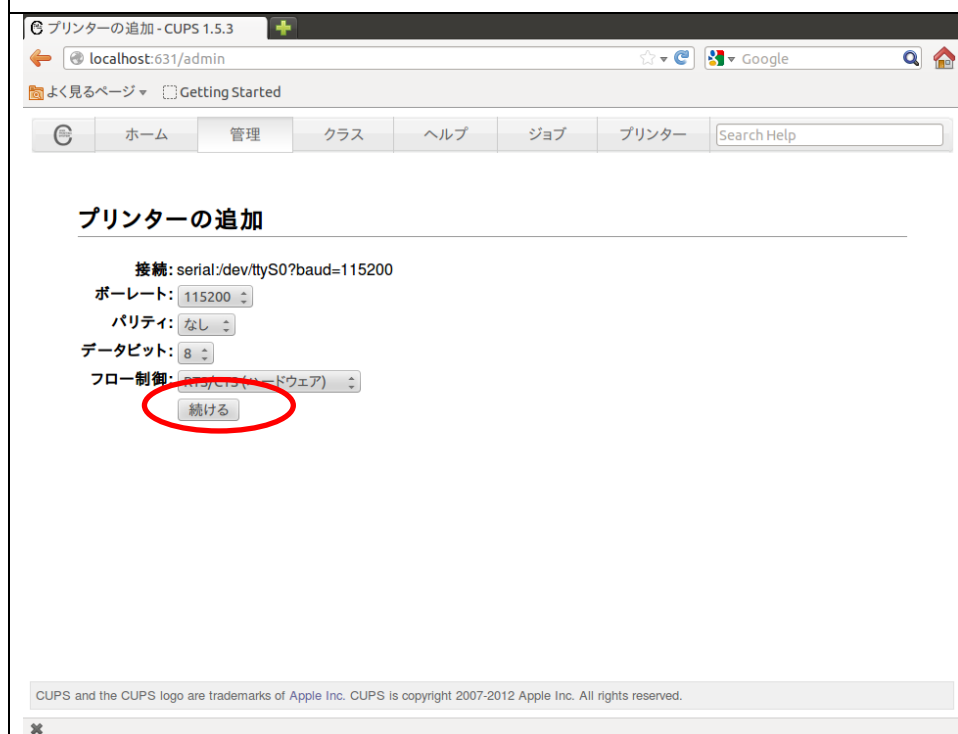
Select [Management] tag and click [Add printer].



When you are asked user name and password, enter administrator's user name and password and click [OK].



Select a serial port to use and click [Continue] button.



Couple a serial port setting of the printer to connect on serial port setting screen. Click [Continue] button.

プリンターの追加 - CUPS 1.5.3

localhost:631/admin

よく見るページ ▾ Getting Started

ホーム 管理 クラス ヘルプ ジョブ プリンター Search Help

新しいプリンターの追加

名前:

("/", "#", スペースを除く文字を含めることができます)

説明:

("HP LaserJet with Duplexer" のように人が読みやすい説明)

場所:

("Lab 1" のように人が読みやすい場所)

接続: serial:/dev/ttyS0?baud=115200

共有: ☐ このプリンターを共有する

CUPS and the CUPS logo are trademarks of Apple Inc. CUPS is copyright 2007-2012 Apple Inc. All rights reserved.

Enter favorite name in space for name,
If necessary, fill in space of explanation/place
After completion of entering all,
Click [Continue] button.

*When sharing drivers, check at the box [Share this printer].

プリンターの追加 - CUPS 1.5.3

localhost:631/admin

よく見るページ ▾ Getting Started

ホーム 管理 クラス ヘルプ ジョブ プリンター Search Help

プリンターの追加

名前: NII_W2K203DPI_USB

説明:

場所:

接続: serial:/dev/ttyS0?baud=115200

共有: ☐ このプリンターを共有しない

メーカー:

または PPD ファイルを提供: 参照...

CUPS and the CUPS logo are trademarks of Apple Inc. CUPS is copyright 2007-2012 Apple Inc. All rights reserved.

Select [NIPPON PRIMEX] in [Manufacturer], and click [Continue] button.

プリンターの追加 - CUPS 1.5.3

localhost:631/admin

よく見るページ ▾ Getting Started

ホーム 管理 クラス ヘルプ ジョブ プリンター Search Help

プリンターの追加

名前: NII_W2K203DPI_USB
 説明:
 場所:
 接続: serial:/dev/ttyS0?baud=115200
 共有: このプリンターを共有しない

メーカー: NIPPON PRIMEX 他のメーカー/製造元を選択

モデル: NIPPON PRIMEX Npi-2inch-Journal (en)
 NIPPON PRIMEX Npi-2inch-Receipt (en)
 NIPPON PRIMEX Npi-3inch-Journal (en)
 NIPPON PRIMEX Npi-3inch-Receipt (en)

または PPD ファイルを提供: 参照...

プリンターの追加

CUPS and the CUPS logo are trademarks of Apple Inc. CUPS is copyright 2007-2012 Apple Inc. All rights reserved.

✖

2 インチのレシート → 「NIPPON PRIMEX Npi-2inch-Receipt」
 2 インチのジャーナル → 「NIPPON PRIMEX Npi-2inch-Journal」
 3 インチのレシート → 「NIPPON PRIMEX Npi-3inch-Receipt」
 3 インチのジャーナル → 「NIPPON PRIMEX Npi-3inch-Journal」

Select an item closer to the printer to use from [Model] list and click [Add printer].

プリンター - CUPS 1.5.3

localhost:631/printers/

よく見るページ ▾ Getting Started

ホーム 管理 クラス ヘルプ ジョブ プリンター Search Help

プリンター 内を検索: 検索 クリア

1 台のプリンターのうち 1 台を表示中。

▼キュー名▼	説明	場所	メーカーとモデル	状態
NII_W2K203DPI_USB	NII W2K203DPI USB		NIPPON PRIMEX Npi-2inch-Receipt	待機

CUPS and the CUPS logo are trademarks of Apple Inc. CUPS is copyright 2007-2012 Apple Inc. All rights reserved.

✖

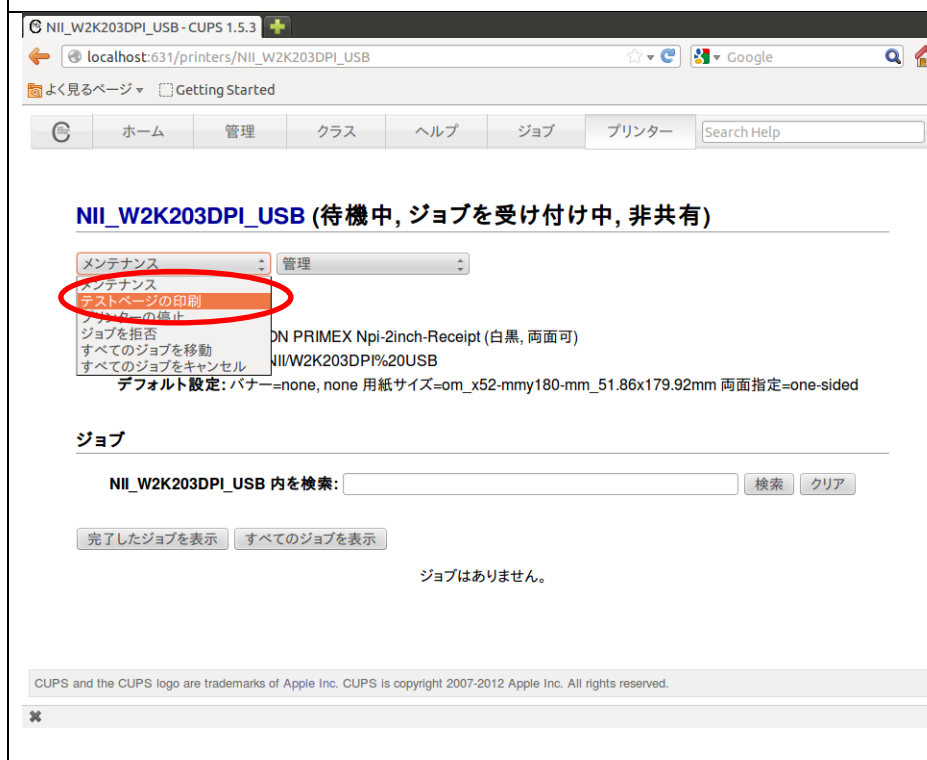
You can confirm addition of a printer driver to use in [Printer] Tab.

3. Driver function and setting

3.1. [Test page printing] Procedure



Select [Printer] tab and click driver link of test page desired to print.



Start test page printing by selecting [Test page printing] in [Maintenance] menu.

3.2. Default option change

General/Cut Options/Wait time Options are setting items of one-of-a-kind function on the menu.

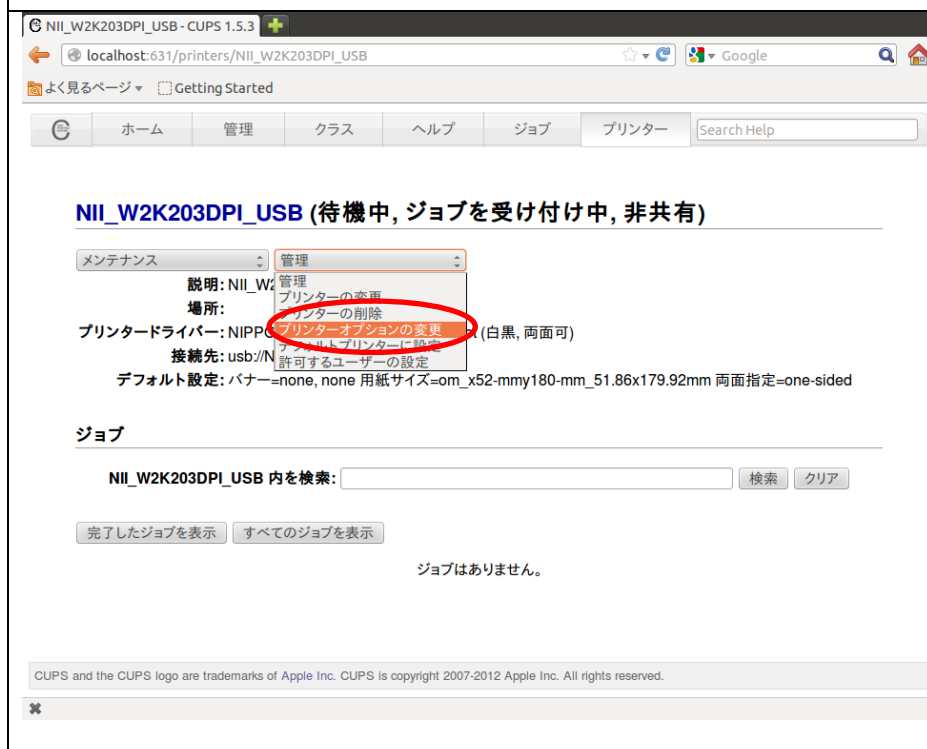
(There are no options or invalid depending on models.)

The explanation about banner/policy was omitted due to the common functions with CUPS.

3.2.1. Display of default option setting screen



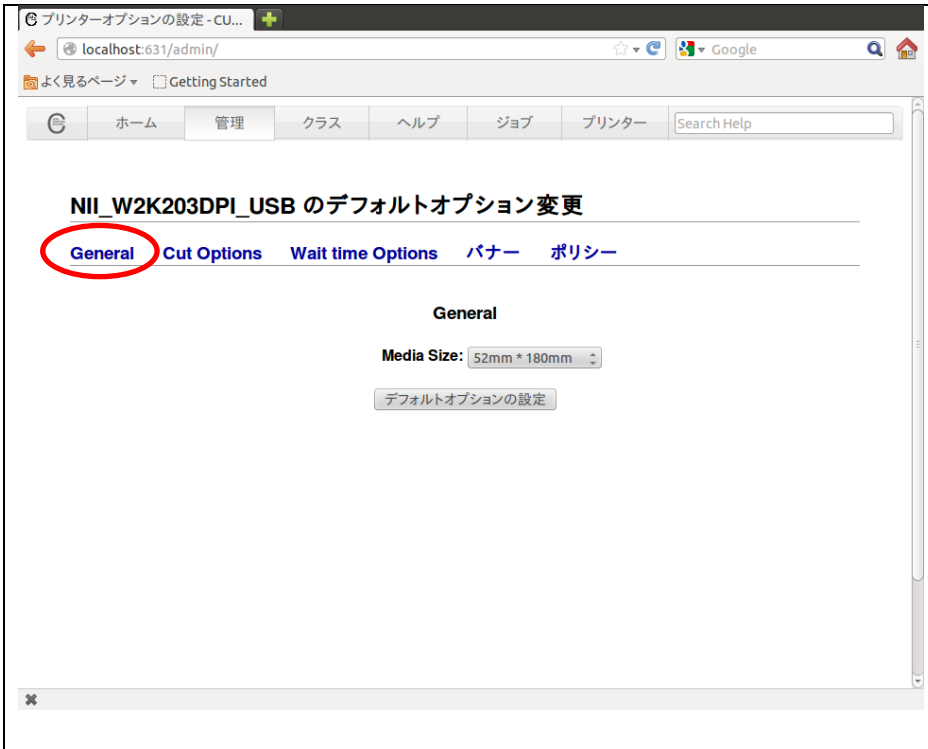
Select [Printer] tab, and click driver link to print test page.



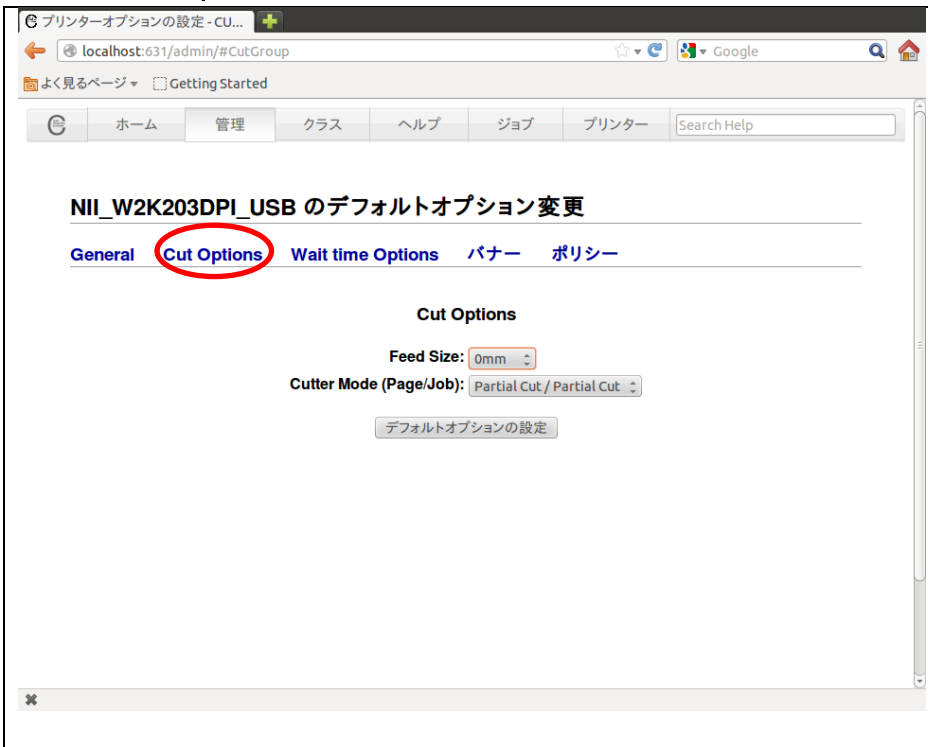
Select [Printer option change] from [Management] menu.

3.2.2. General

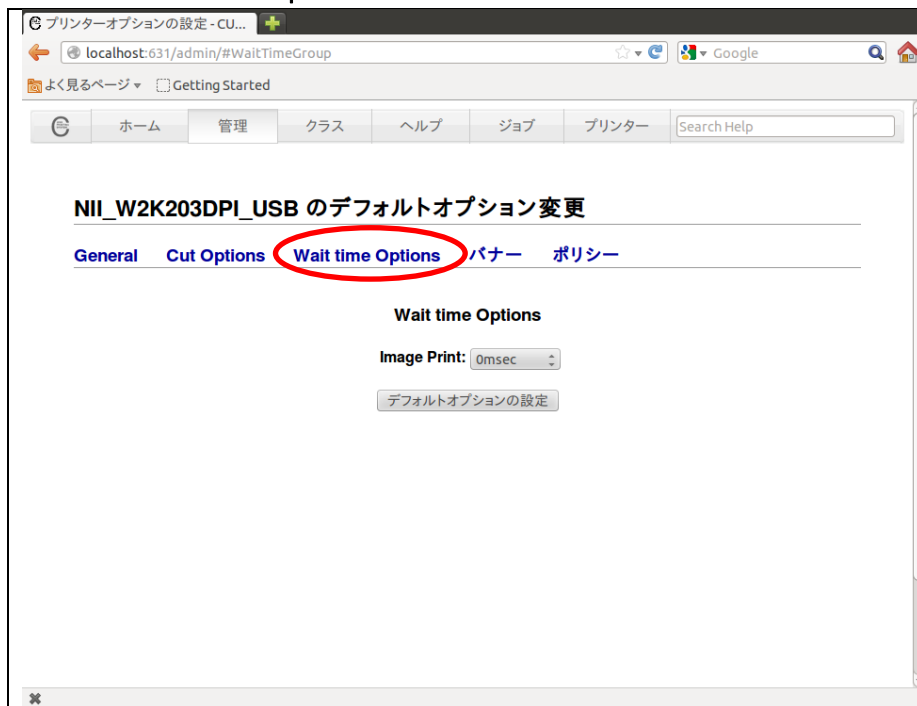
※By operation[3.2.1.], this screen will be displayed.

	[General] menu Set paper size 「Media Size」 Assign the Max.width and length of print area. Please use setting of paper width after understanding printer specification. *Actual size will be approximate value of setting size of paper.
--	--

3.2.3. Cut Options

	[Cut Options] menu Set operation when page end / job end. 「Feed Size」 Set the amount of paper feed. 「Cutter Mode(Page/Job)」 Set cutting operation.
--	---

3.2.4. Wait time Options



「Wait Options」

Set operation when page end / Job end.

「Image Print」

Set sleep time (msec) in a processing(after 1dot line) of raster image.

*Please adjust at the item [Image Print] when abnormal case such as lack of data / printing is not completed.

【Supplement】

≪ 「Image Print」 setting fig. explanation ≫

Print with block raster processing.

Ex.:

0x1b 0x62

Assume the following data

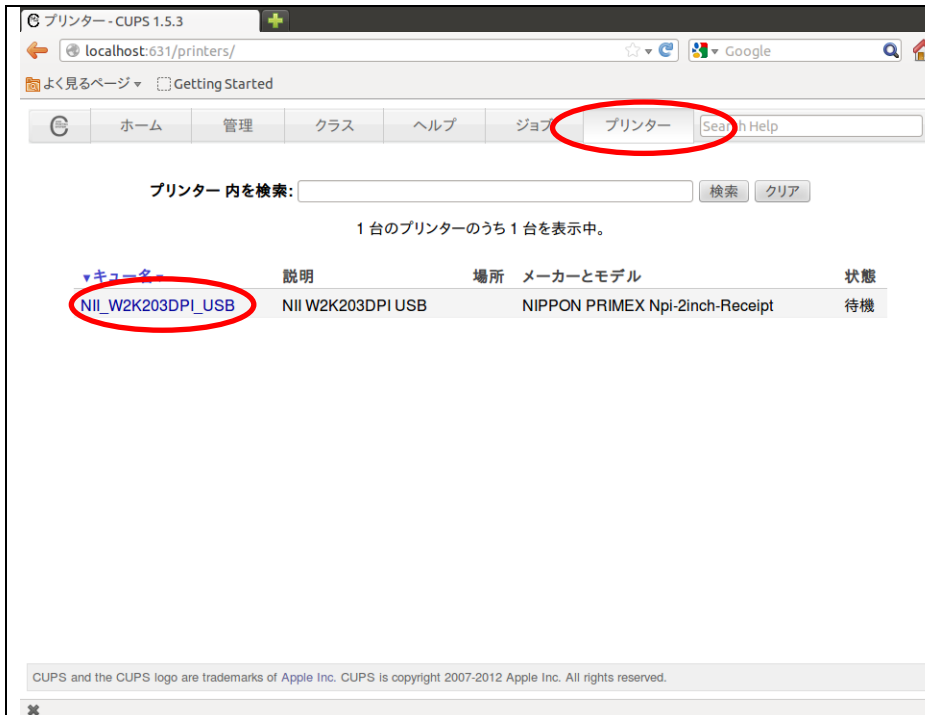
↓



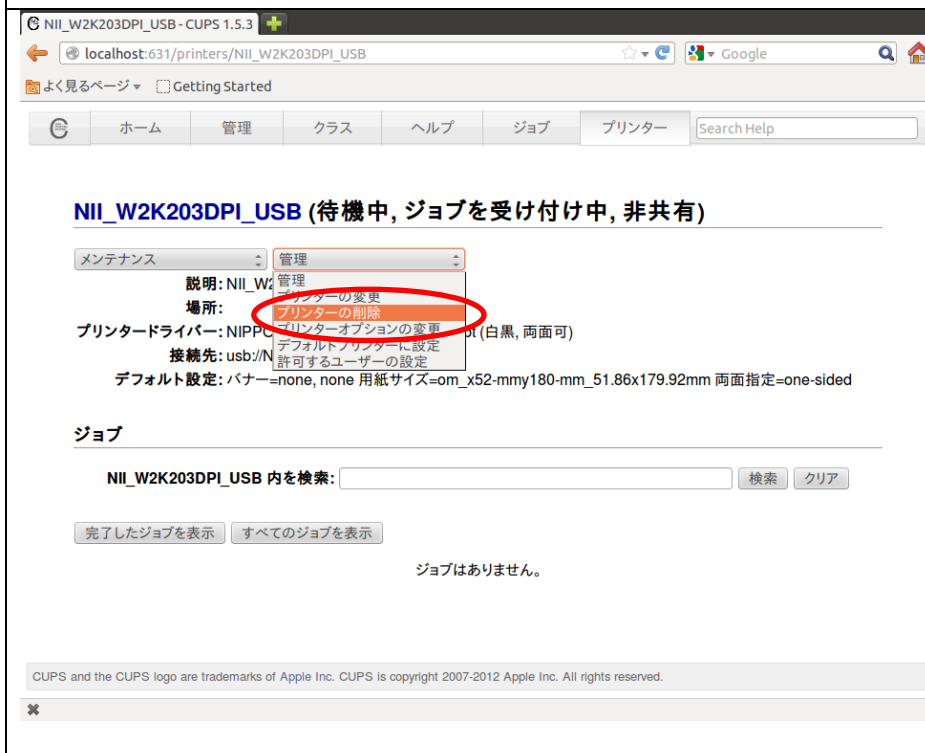
0x1b 0x4a 0x00

4. Uninstallation

4.1. Delete drivers from CUPS



Select [Printer] tab, and click driver link to delete.



Select [Delete printer] from [Management] menu and driver will be deleted.

4.2. Uninstall RPM file by command line.

Activate execution of command by root authority like su command.

Ex. : # apt-get remove npis-cups