



Brother Printer Management Tool

Quick Start Guide

Version 03

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1. Introduction

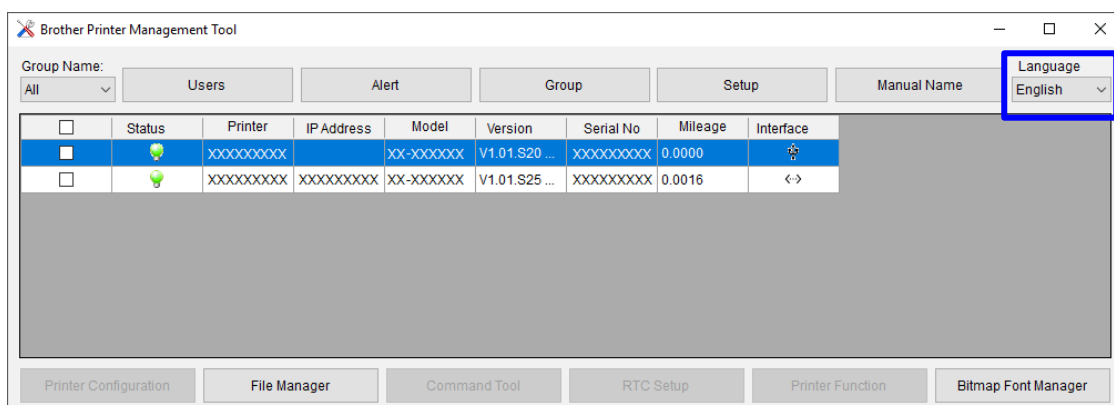
The Brother Printer Management Tool allows you to:

- Check a printer's status and settings
- Change printer settings
- Send additional commands to a printer
- Download graphics and fonts
- Create a printer bitmap font
- Download and update firmware

2. Getting Started

The BPM does not support the Bluetooth connection. We recommend connecting your printer to the computer using either the USB or Wi-Fi connection.

1. Double-click the  (Brother Printer Management Tool.exe) icon to run the tool.
2. The Settings Page lists both USB-connected printers and network-connected printers (belonging to the same subnet as your computer).



Select your language from the **Language** drop-down list, if necessary.



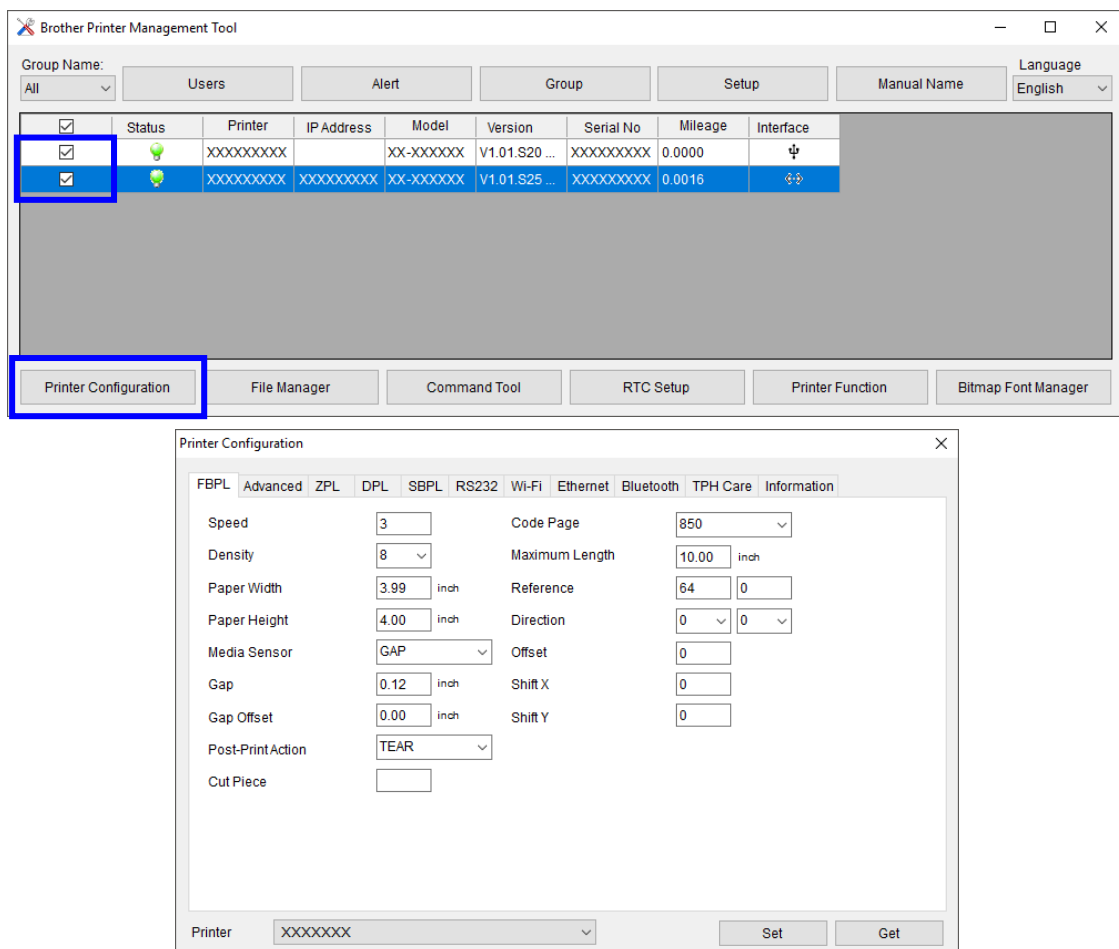
3. Printer Configuration

The Printer Configuration page is used to modify (Set) and view (Get) printer settings. This page includes the following tabs:

- FBPL
- Advanced
- ZPL
- DPL
- SBPL
- RS 232
- Wi-Fi
- Ethernet
- Bluetooth
- TPH Care
- Information

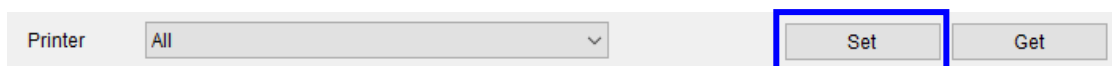
These correspond to the printer settings most commonly used in the FBPL/EPL2/ZPL/DPL/SBPL printer languages.

1. Select the printer you want to modify.
2. Click the **Printer Configuration** button to modify the printer settings.



3. Select the printer setting tab you want.

4. Modify the printer settings by selecting or entering new values, and then click the **Set** button to apply the new settings.

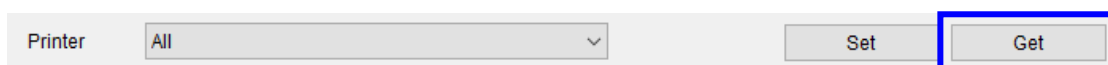


Printer: All [v] [Set] [Get]

 Note

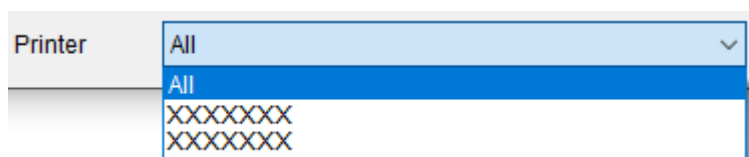
- Any modified values will be highlighted in yellow.
  - If you select more than one printer, only the values shared by the selected printers will be shown.
-

5. After the printer settings have been modified, click the **Get** button to view the new printer settings.



Printer: All [v] [Set] [Get]

 Note

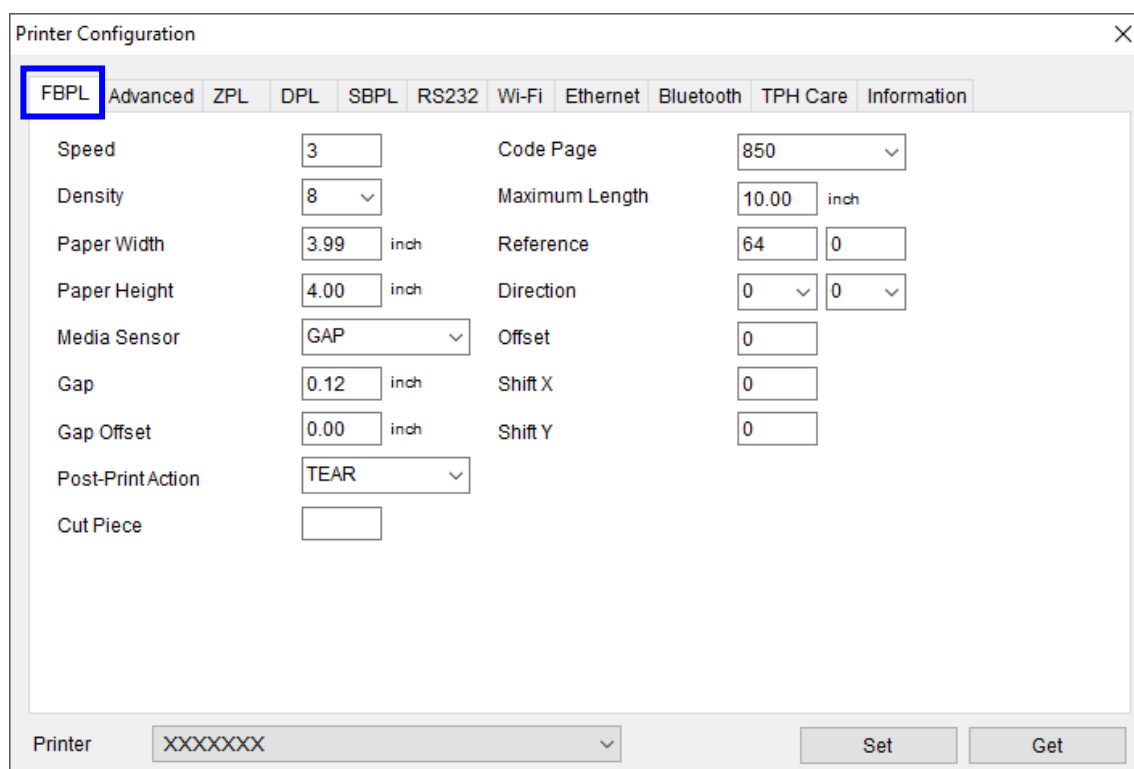


Printer: All [v]
All
XXXXXXXX
XXXXXXXX

Use the Printer drop-down list to view individual printer groups and their settings.

▪ **FBPL & Advanced**

FBPL printer language settings

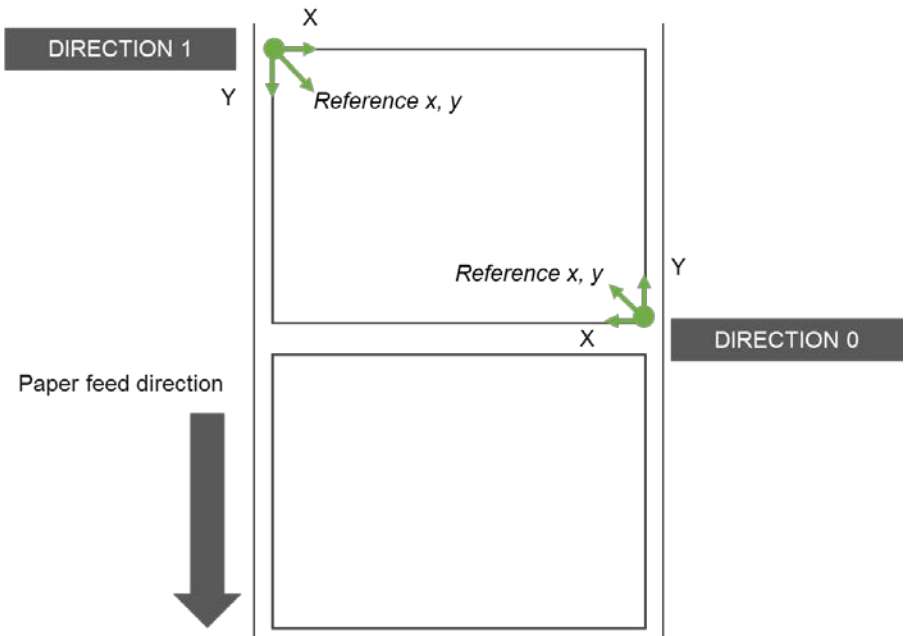


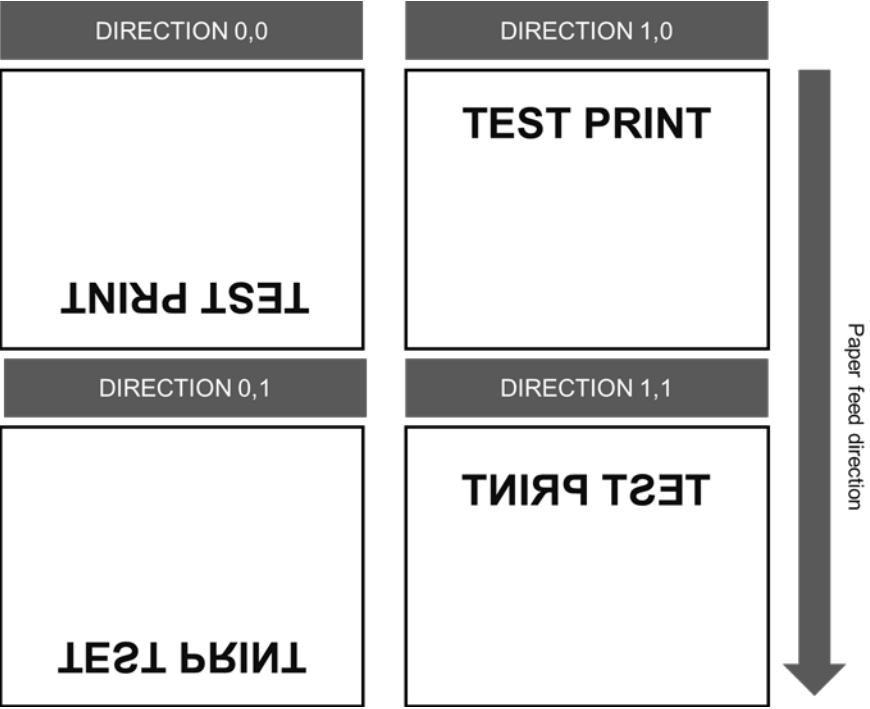
Printer Configuration

FBPL | Advanced | ZPL | DPL | SBPL | RS232 | Wi-Fi | Ethernet | Bluetooth | TPH Care | Information

Speed	3	Code Page	850
Density	8	Maximum Length	10.00 inch
Paper Width	3.99 inch	Reference	64 0
Paper Height	4.00 inch	Direction	0 0
Media Sensor	GAP	Offset	0
Gap	0.12 inch	Shift X	0
Gap Offset	0.00 inch	Shift Y	0
Post-Print Action	TEAR		
Cut Piece			

Printer: XXXXXXXX [v] [Set] [Get]

Function	Description
Speed	Set the print speed. For more information about the available print speed settings, see the SPEED command in <i>FBPL Command Reference</i> .
Density	Set the print density from 0 to 15.
Paper Width	Set the media width.
Paper Height	Set the media height.
Media Sensor	Set the media sensor type.
Gap	Set the gap distance between two labels.
Gap Offset	Set the offset distance of the gap.
Post-Print Action	Set the post-print action.
Cut Piece	Set the number of printing labels between each automated cut.
Code Page	Set the international character set code page. For more information, see the CODEPAGE command in <i>FBPL Command Reference</i> .
Maximum Length	Set the maximum length for the sensor detection. If the label length is less than the default length (10" or 254mm, for example a wristband), set a value larger than the label length so that the sensor can detect the label correctly..
Reference	Set the origin of the printer coordinate system vertically and horizontally: Left: X (Horizontal) coordinate, Right: Y (Vertical) coordinate. Settings range from 0 dots to 999 dots. The reference point varies depending on the print direction. 

Function	Description
Direction	Specify the print direction. For more information, see the DIRECTION command in <i>FBPL Command Reference</i>. 
Offset	Fine-tune the media stop location. Settings range from -999 dots to 999 dots.
Shift X	Fine-tune the print position. Settings range from -999 dots to 999 dots.
Shift Y	



Note

To change the unit of measurement to millimeters or inches, go to **Control Panel > Clock and Region > Region > Formats > Additional settings... > Measurement System**. Select **U.S.** for “inch” and **Metric** for “mm”.

Printer Configuration

FBPL

Advanced

ZPL

DPL

SBPL

RS232

Speed

3

Density

8

Paper Width

mm

Paper Height

mm

Media Sensor

GAP

Gap

0.00

mm

Gap Offset

0.00

mm

Post-Print Action

TEAR

Cut Piece

Printer

PS-D9A63F (USB)

Printer Configuration

FBPL

Advanced

ZPL

DPL

SBPL

RS232

Speed

3

Density

8

Paper Width

3.99

inch

Paper Height

4.00

inch

Media Sensor

GAP

Gap

0.12

inch

Gap Offset

0.00

inch

Post-Print Action

TEAR

Cut Piece

Printer

XXXXXXXX

Printer Configuration

FBPL

Advanced

ZPL

DPL

SBPL

RS232

Wi-Fi

Ethernet

Bluetooth

TPH Care

Information

Gap Inten.

8

Head-up Sensor

ON

Black mark Inten.

2

Reprint After Error

ON

Continuous Inten.

4

Ribbon

ON

Threshold Detection

AUTO

Ribbon Sensor

ON

Country Code

001

Ribbon Encoder Err.

ON

Printer

XXXXXXXX

Set

Get

Function	Description
Gap Inten.	Adjust the sensor detection sensitivity. Use this setting when auto calibration does not work because the thickness of the backing paper and that of the label with backing paper are not of within the sensor's detection range, or there are pre-printed marks or patterns on the label.
Black mark Inten.	Adjust the sensor detection sensitivity if the printer cannot detect the black mark correctly.
Continuous Inten.	Adjust the sensor detection sensitivity if the paper is either too thin or too thick.

Function	Description
Threshold Detection	Set the sensor sensitivity to AUTO or FIXED. AUTO: Fine-tune the paper positioning threshold automatically when feeding paper. FIXED: Fix the paper positioning threshold.
Country Code	Set the country code.
Head-up Sensor	Enable or disable the print head-up sensor.
Reprint After Error	Enable or disable the print restart after an error.
Ribbon	Enable or disable both the ribbon end sensor and the ribbon encoder sensor.
Ribbon Sensor	Enable or disable the ribbon end sensor.
Ribbon Encoder Err.	Enable or disable the ribbon encoder sensor.



Note

For more information, see the *FBPL Command Reference Manual* at your model's Manuals page at support.brother.com.

- **ZPL**

ZPL printer language settings

Printer Configuration

FBPL Advanced **ZPL** DPL SBPL RS232 Wi-Fi Ethernet Bluetooth TPH Care Information

Darkness 0 to 30 Media Power Up

Print Speed Head Close

Tear Off -120 to 120 Label Top -120 to 120

Print Mode Left Position -9999 to 9999

Print Width inch

Control Prefix

Format Prefix

Delimiter Char

Printer

Function	Description
Darkness	Set the print darkness.
Print Speed	Set the print speed.
Tear Off	Adjust the tear off position.
Print Mode	Set the post-print action.
Print Width	Set the print width.
Control Prefix	Set the control character.
Format Prefix	Set the format character.
Delimiter Char	Set the delimiter character.
Media Power Up / Head Close	Set the action of the media when turning on the printer or closing the print head. Feed: Advance one label. Calibration: Calibrate the sensor levels, determine the length, and feed a label. Length: Determine the length and feed a label. No Motion: The printer will not adjust the media.
Label Top	Adjust the print position on the label vertically.
Left Position	Adjust the print position on the label horizontally.



Note

The items in the ZPL tab work only with the ZPL printer language.

▪ DPL

DPL printer language settings

Printer Configuration

FBPL Advanced ZPL **DPL** SBPL RS232 Wi-Fi Ethernet Bluetooth TPH Care Information

Heat 0 to 30

Print Speed

Label Width inch

Present Sensor

Cutter Equipped

Control Codes

Column Offset inch

Row Offset inch

Printer

Function	Description
Heat	Increase or decrease the heat applied by the print head to the media to darken or lighten the print contrast.
Print Speed	Set the print speed.
Label Width	Set the maximum limit for the printable width.
Present Sensor	Enable or disable the present sensor.
Cutter Equipped	Enable or disable the optional Cutter.
Control Codes	Change the prefix of the commands interpreted by the printer.
Column Offset	Shift both the horizontal print start position and the label width end point to the right.
Row Offset	Shift the vertical print start position.

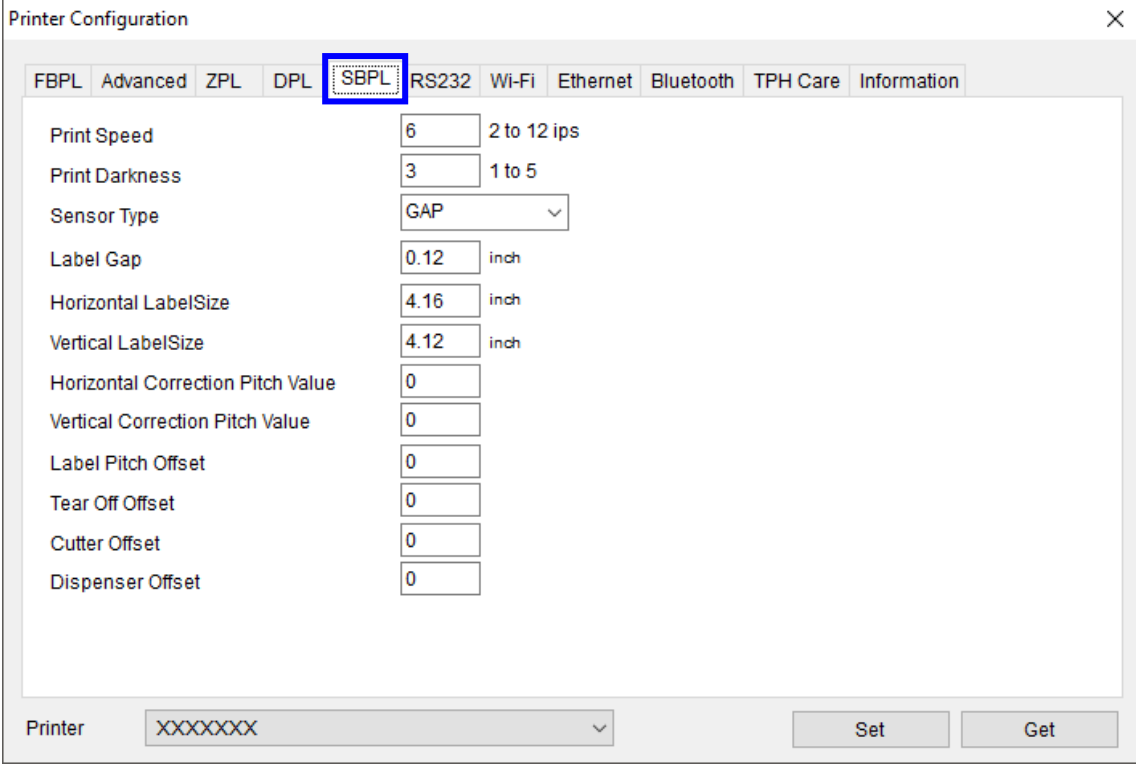


Note

The items included in the DPL tab only work with the DPL printer language.

- **SBPL**

SBPL printer language settings



Printer Configuration

FBPL Advanced ZPL DPL **SBPL** RS232 Wi-Fi Ethernet Bluetooth TPH Care Information

Print Speed: 6 2 to 12 ips

Print Darkness: 3 1 to 5

Sensor Type: GAP

Label Gap: 0.12 inch

Horizontal LabelSize: 4.16 inch

Vertical LabelSize: 4.12 inch

Horizontal Correction Pitch Value: 0

Vertical Correction Pitch Value: 0

Label Pitch Offset: 0

Tear Off Offset: 0

Cutter Offset: 0

Dispenser Offset: 0

Printer: XXXXXXXX

Set Get

Function	Description
Print Speed	Set the print speed.
Print Darkness	Set the print darkness.
Sensor Type	Set the sensor type: Black Mark, Gap, or Continuous.
Label Gap	Set the gap between labels.
Horizontal LabelSize	Set the horizontal label size.
Vertical LabelSize	Set the vertical label size.
Horizontal Correction Pitch Value	Adjust the print start position horizontally.
Vertical Correction Pitch Value	Adjust the print start position vertically.
Label Pitch Offset	Set the offset of the label stop position for each operation.
Tear Off Offset	
Cutter Offset	
Dispenser Offset	



Note

The items in the SBPL tab only work with the SBPL printer language.

- **RS232**

Printer RS232 interface settings

The image shows a 'Printer Configuration' window with a tabbed interface. The 'RS232' tab is selected and highlighted with a blue border. The window contains settings for Baud Rate (9600), Data Bits (8), Parity (None), and Stop Bit(s) (1). At the bottom, there is a 'Printer' dropdown menu showing 'XXXXXXXX' and two buttons labeled 'Set' and 'Get'.

Tab	Baud Rate	Data Bits	Parity	Stop Bit(s)
FBPL				
Advanced				
ZPL				
DPL				
SBPL				
RS232	9600	8	None	1
Wi-Fi				
Ethernet				
Bluetooth				
TPH Care				
Information				

Printer: XXXXXXXX

Set Get

- **Wi-Fi**

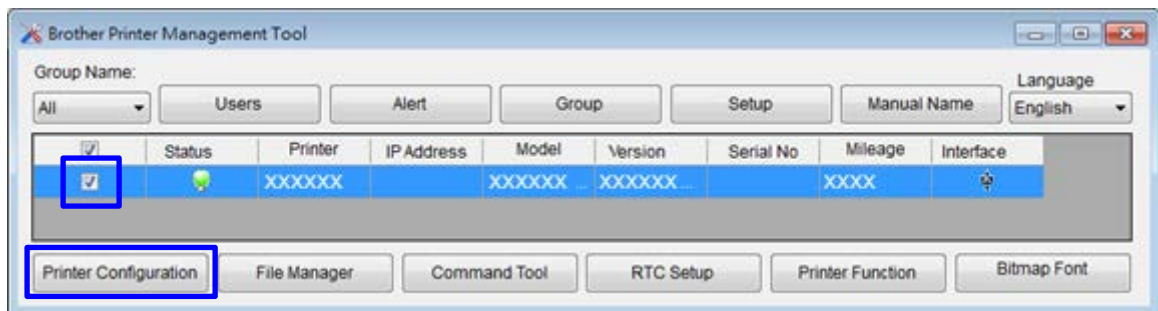
Wireless print server settings

Using BPM to set the Wi-Fi Module

Make sure both your wireless router/access points and your printer's network settings are correctly set up. For more information, see the documentation provided with your wireless router/access point, or contact the router manufacturer, your system administrator, or Internet service provider.

1. Setting the Wi-Fi Module

1. Connect the computer and printer using a USB cable.
2. Turn on the printer.
3. Start the BPM.
4. Click the **Printer Configuration** button.



Printer Configuration:

▪ Non-Enterprise

1. Click the **Wi-Fi** tab.
2. Type the **SSID** (Network Name).
3. Click the **Encryption** drop-down list and select **Personal**.
4. Type the **Key**.
5. Click the **DHCP** drop-down list and select **ON**.
If you are not using DHCP, type the **IP Address**, **Subnet Mask**, and **Gateway**.
6. Click **Set**.
7. Click **X** to exit.



Note

- Modified settings are highlighted in yellow before they are set.
- When DHCP is on, type a new **Printer Name** if you want to change how the printer appears in configuration screens.
- Use the **RAW Port** field to type the applicable RAW Port.

▪ Enterprise

1. Click the **Wi-Fi** tab.
2. Type the **SSID** (Network Name).
3. Click the **Encryption** drop-down list and select **Enterprise**.
4. Click the **DHCP** drop-down list and select **ON**.
If you are not using DHCP, type the **IP Address**, **Subnet Mask**, and **Gateway**.
5. Click the **EAP Type** drop-down list and make a selection.
To use EAP-TLS, you must upload the correct CA Certificate and Key for mutual authentication, integrity-protected cipher suite negotiation, and key exchange between two endpoints.
6. Click **Set**.
7. Click **X** to exit.

Printer Configuration

FBPL Advanced ZPL DPL SBPL RS232 **Wi-Fi** Ethernet Bluetooth TPH Care Information

SSID **2** **SSID_2** EAP Type **5**

Encryption **3** **Enterprise** Username **5**

Key Password **5**

DHCP **4** **ON** File name Browse

IP Address CA Certificate

Subnet Mask 0.0.0.0 Client Certificate

Gateway Private Key

Printer Name XXXXXX EAP-FAST PAC

RAW Port 9100

MAC Address XXXXXX

Wi-Fi Version 3.5.1.1R1

New Wireless settings will only be applied after "Set" button is clicked and Printer Configuration window is closed. After that, printer will restart automatically.

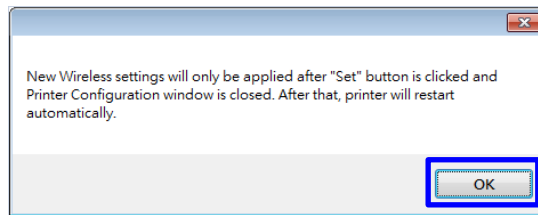
Printer XXXXXXXXXX **6** **Set** Get

7

Note

- Modified settings are highlighted in yellow before they are set.
- When DHCP is on, type a new **Printer Name** if you want to change how the printer appears in configuration screens.
- Use the **RAW Port** field to type the applicable RAW Port.

- After completing the printer configuration, the following message appears. Click **OK** to reset the printer.



The printer's IP address appears in the **IP address** field when the Wi-Fi module has been connected.

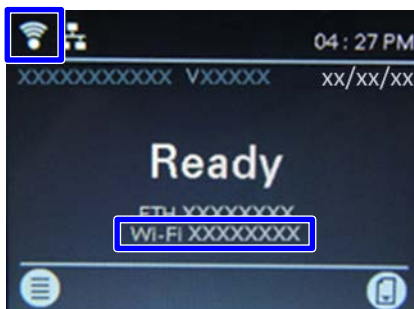
 Note

The IP address should appear 5 to 15 seconds after turning on the printer.

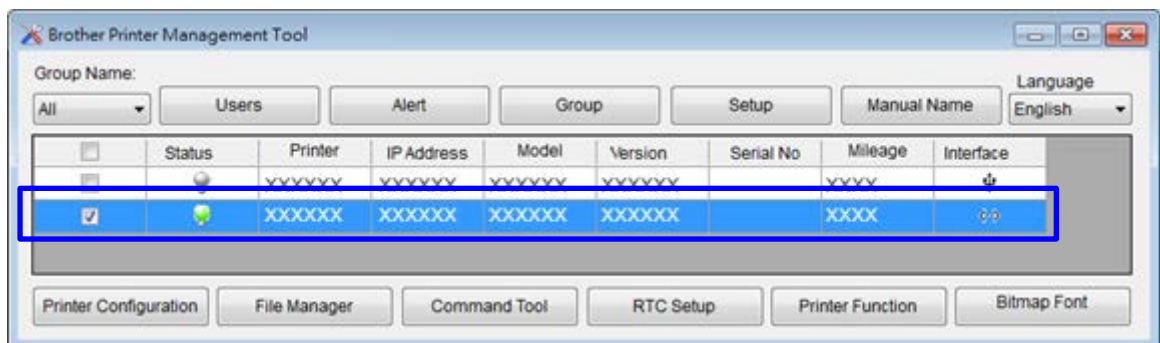
For Non-LCD models, go to step 9.

For LCD models, follow steps 6 to 8.

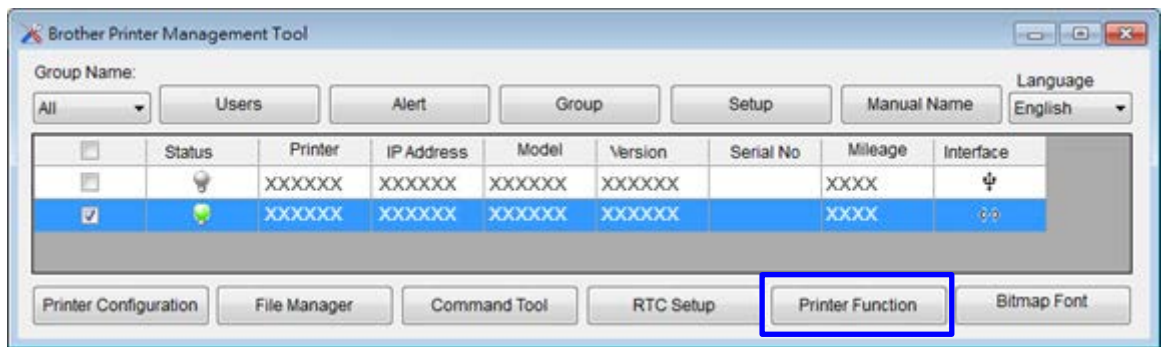
- The printer's IP address and Wi-Fi icon appear on the LCD, when the Wi-Fi module is connected.



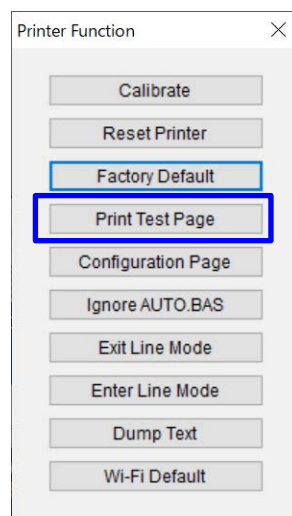
- Unplug the USB cable connecting the computer and the printer.
- From the list, select the printer whose IP Address is displayed on the LCD.



9. Click the **Printer Function** button.

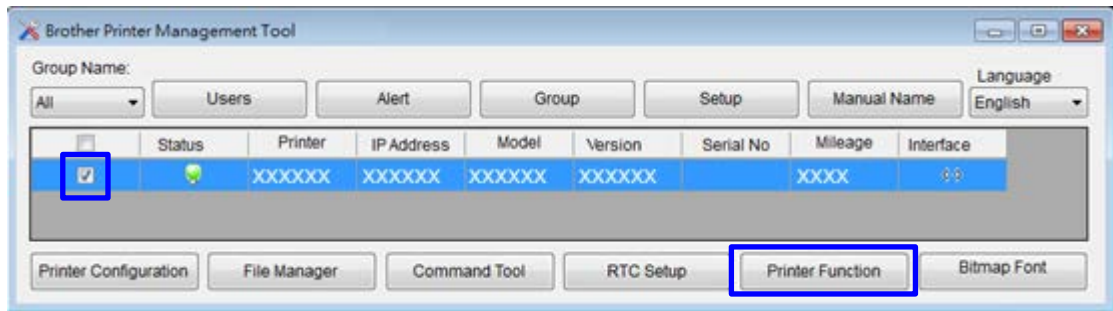


10. Click the **Print Test Page** button to print the test page via Wi-Fi.

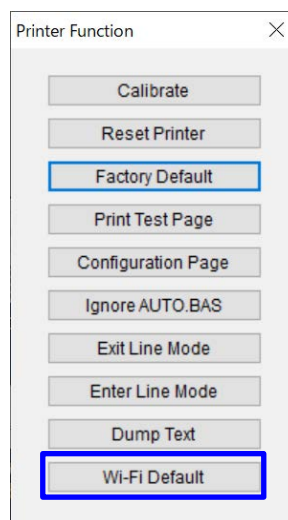


2. Initialize the Wi-Fi Module

1. Start the BPM.
2. Select the printer from the list, and then click the **Printer Function** button.



3. Click the **Wi-Fi Default** button.



- **Ethernet (Wired)**

Ethernet print server settings

The screenshot shows the 'Printer Configuration' window with the 'Ethernet' tab selected. The 'DHCP' radio button is selected, and the 'Static IP' option is also visible. Below these are input fields for IP, Subnet Mask, Gateway, and MAC Address, each with a 'Set IP' button. To the right, there is a 'Printer Name' field with a 'Set Printer Name' button and a 'RAW Port' field with a 'Set RAW Port' button. At the bottom, there is a 'Printer' dropdown menu and two 'Set' buttons.

Function	Description
DHCP/Static IP	The default IP address is obtained using DHCP. To use a static IP, select the Static IP radio button.
Printer Name	Change the printer name. Make sure you click Set Printer Name to complete the update.
Raw Port	Change the raw port. Make sure you click Set RAW Port to complete the update.



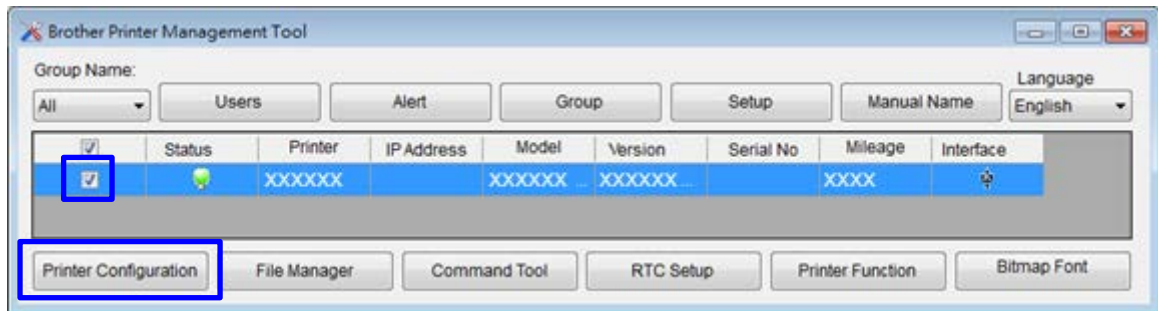
Note

After clicking **Set IP**, **Set Printer Name**, or **Set RAW Port**, the printer restarts to apply the settings.

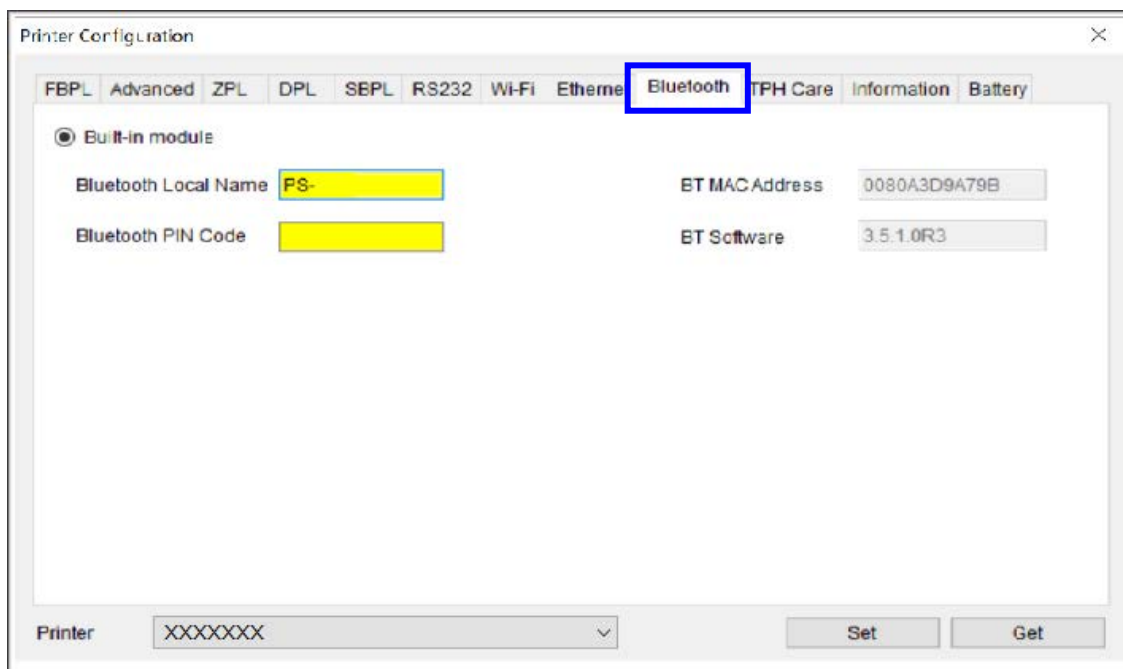
▪ Bluetooth

Setting the Bluetooth connection

1. Connect the USB cable between the computer and the printer.
2. Turn on the printer.
3. Start the BPM.
4. Click the **Printer Configuration** button.



5. Click the Bluetooth tab.
6. Type the new Bluetooth Local Name or Bluetooth PIN Code.



7. Click **Set** to set the new Bluetooth Local Name or Bluetooth PIN Code.
8. Click **Get** to retrieve the settings. Make sure the Bluetooth module settings are set correctly.

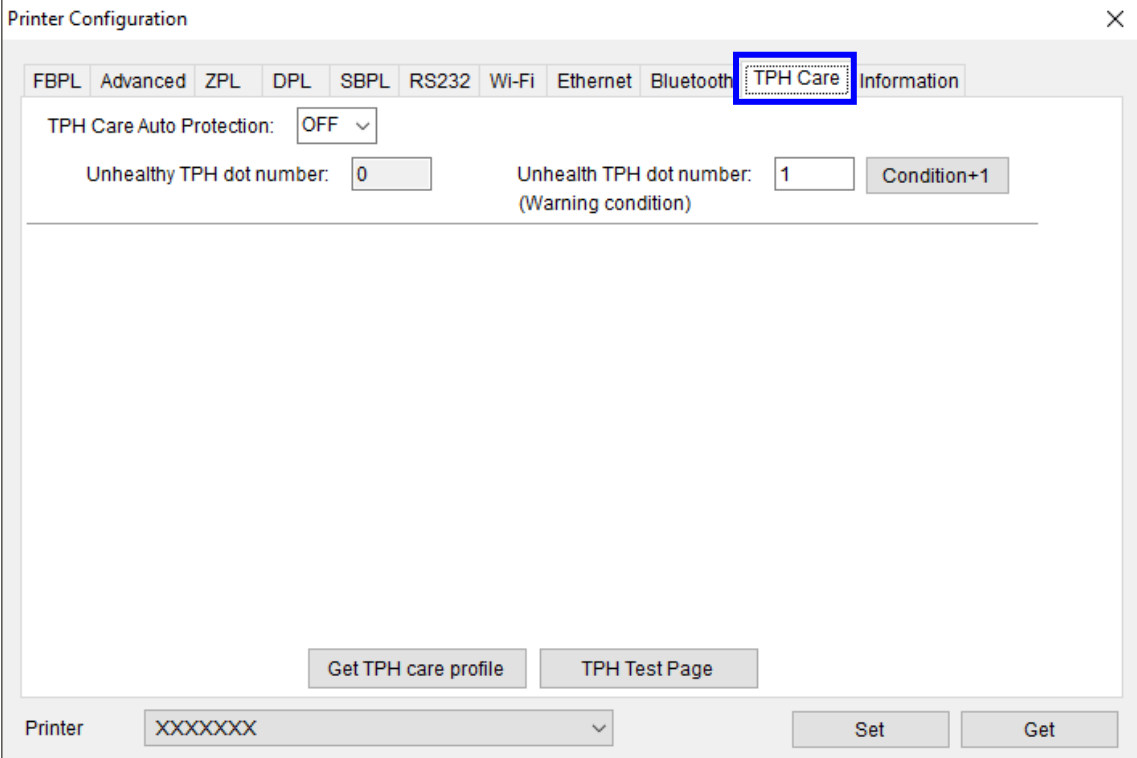


Note

You can also connect the printer to the computer using a USB cable.

TPH Care

Thermal Print Head (TPH) Care settings

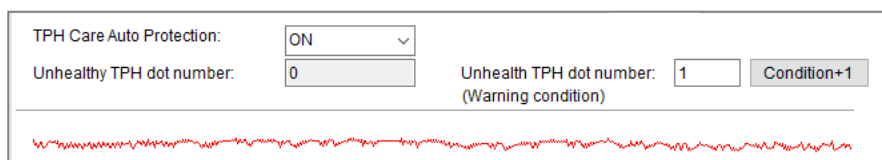


The image shows a 'Printer Configuration' window with a tabbed interface. The 'TPH Care' tab is selected and highlighted with a blue box. The settings are as follows:

- TPH Care Auto Protection: OFF (dropdown menu)
- Unhealthy TPH dot number: 0 (input field)
- Unhealth TPH dot number: 1 (input field) with a 'Condition+1' button next to it.
- Below the input fields is a horizontal line.
- At the bottom of the window, there is a 'Printer' dropdown menu showing 'XXXXXXXX', and 'Set' and 'Get' buttons.

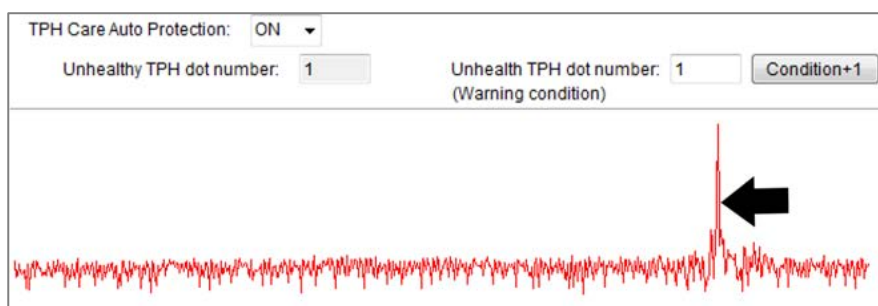
Function	Description
TPH Care Auto Protection	Enable or disable the TPH Care function.
Unhealthy TPH dot number	Check the number of unhealthy TPH dot elements.
Unhealth TPH dot number	Set the warning condition for the unhealthy TPH dot number.
Get TPH Care Profile	Detect the unhealthy TPH dots.
TPH Test Page	Print a TPH test image to check the TPH printing status.

1. Select **ON** from the **TPH Care Auto Protection** drop-down list to enable the TPH care function.
2. Click **Get TPH care profile**. The TPH graph appears.
  - If the profile is flat or the unhealthy TPH dot number is 0, the Print Head's condition is good.



The image shows the same 'Printer Configuration' window, but with the 'TPH Care Auto Protection' dropdown set to 'ON'. Below the input fields, a red line graph is displayed, representing the TPH profile. The graph shows a fluctuating line, indicating a warning condition.

- If the profile shows a spike, the Print Head may contain damaged dots and the printer will stop printing.



▪ Printer information

To view the current printer settings, click the **Information** tab, and then click the **Get** button.

Function	Description
Version	Printer model name and firmware version.
Serial No	Printer serial number.
Printer Status	Get the printer status.
Check Sum	Printer firmware checksum.
Ribbon remaining	Get the ribbon capacity.
Cutter Counter	Number of cuts made by the Cutter.
Mileage (Km)	Printing mileage information of the Print Head.
Label Count	Number of printed labels.



Note

- The Cutting Counter and Mileage settings should be reset as follows:

- Cutting Counter: when replacing the Cutter or the Print Head
- Mileage: when replacing the Print Head.

Their total values will still be listed in the non-resettable fields.

- If the printer is in an error state, its LED will blink in red, and its status icon will display "!". To learn more about the printer's status, select the printer, click **Printer Configuration**, and then click the **Information** tab.

☐	Status	Printer	IP Address	Model	Version	Serial No	Mileage	Interface
☐		XXXXXXXXXX		XX-XXXXXX	V1.01.S20...	XXXXXXXXXX	0.0000	⚡
☒		XXXXXXXXXX	192.168.4.96	XX-XXXXXX	V1.01.S25...	XXXXXXXXXX	0.0016	⚡

Printer Configuration
File Manager
Command Tool
RTC Setup
Printer Function
Bitmap Font Manager

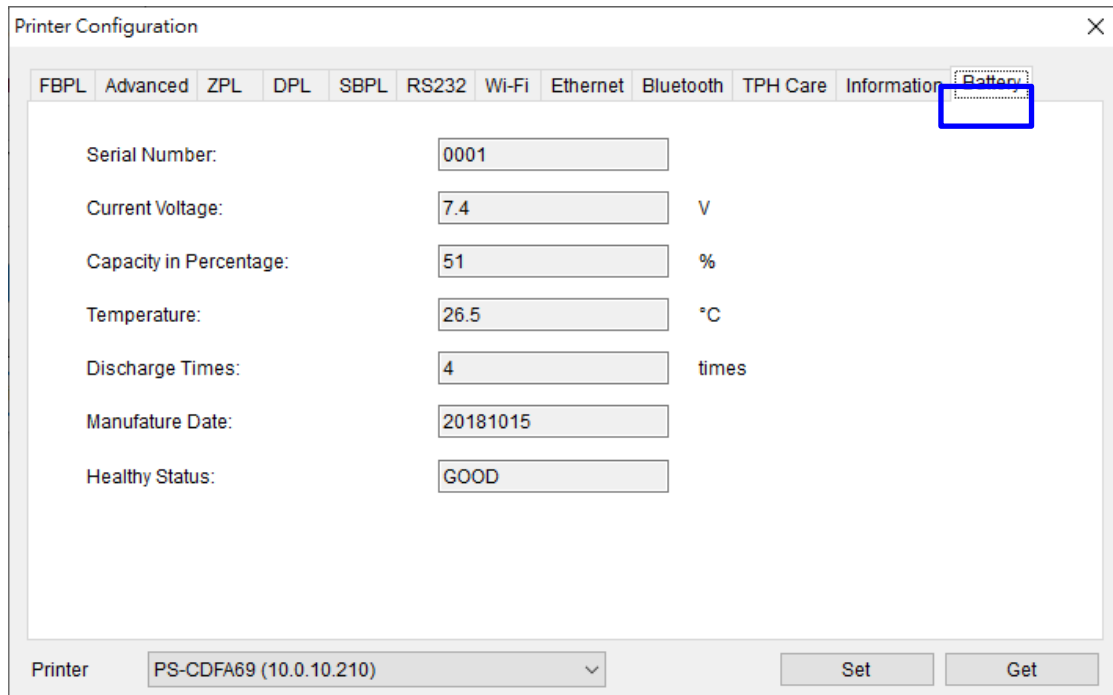
Troubleshooting

Error Message	Solution
Head Open	- Close the Print Head mechanism. - Check if the right and left sides of the Print Head mechanism are locked into place.
Paper Jam	- Check if any labels are jammed in the Print Head mechanism. - Check that the label size and GAP/Black Mark Size settings match the installed media. - Check the sensor type. - Calibrate the sensor again.
Out of Paper	- Check that the GAP/Black Mark Sensor position is aligned with the GAP/Black Mark sensing path. - Check if the label roll is empty. - Calibrate the sensor again.
Ribbon End Error	- Check if the ribbon has run out. - Check if the ribbon roll is broken between the ribbon supply/take-up spindle. - Check if the paper core is installed on the ribbon take-up spindle (for applicable models only). - Check if the ribbon spindle is installed incorrectly in the printer.

Error Message	Solution
Ribbon Encoder Error	- Close the Print Head mechanism and make sure the right and left sides are locked into place. - Check if the ribbon roll is empty. - Check if the ribbon is broken between the ribbon supply/take-up spindle. - Check if the paper core is installed on the ribbon take-up spindle (for applicable models only).
Pause	Press the Feed/Pause button again to resume printing.
Other Error	- Print Head is overheated: The error indicator is lit in solid red and the printer stops printing. As soon as the print head cools down, the printer will resume printing. - Cutter jam: • Remove the jammed media from the Cutter area. • Check the Media Specifications and make sure the media thickness is supported. For more information about the Media Specifications, see the <i>User's Guide</i>.

▪ Battery

Check the charge level and life of the Rechargeable Li-ion Battery (Smart Battery) (RJ-3035B/RJ-3055WB only)

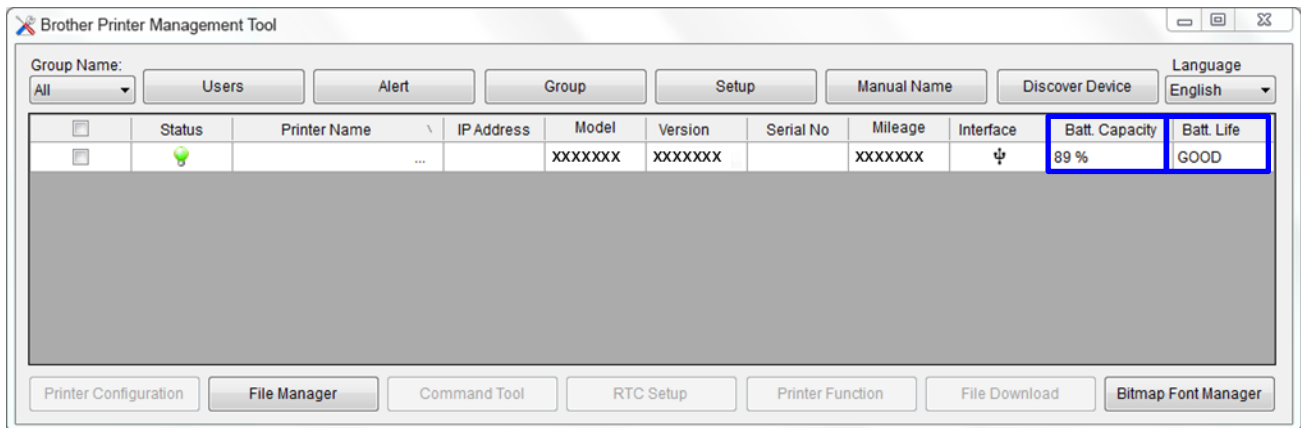


The image shows the 'Printer Configuration' window with the 'Battery' tab selected. The tab is highlighted with a blue box. The window displays the following battery information:

Serial Number:	0001
Current Voltage:	7.4 V
Capacity in Percentage:	51 %
Temperature:	26.5 °C
Discharge Times:	4 times
Manufacture Date:	20181015
Healthy Status:	GOOD

At the bottom, the printer model is listed as 'PS-CDFA69 (10.0.10.210)' with 'Set' and 'Get' buttons.

Display the Rechargeable Li-ion Battery Capacity and Battery Life in the BPM:



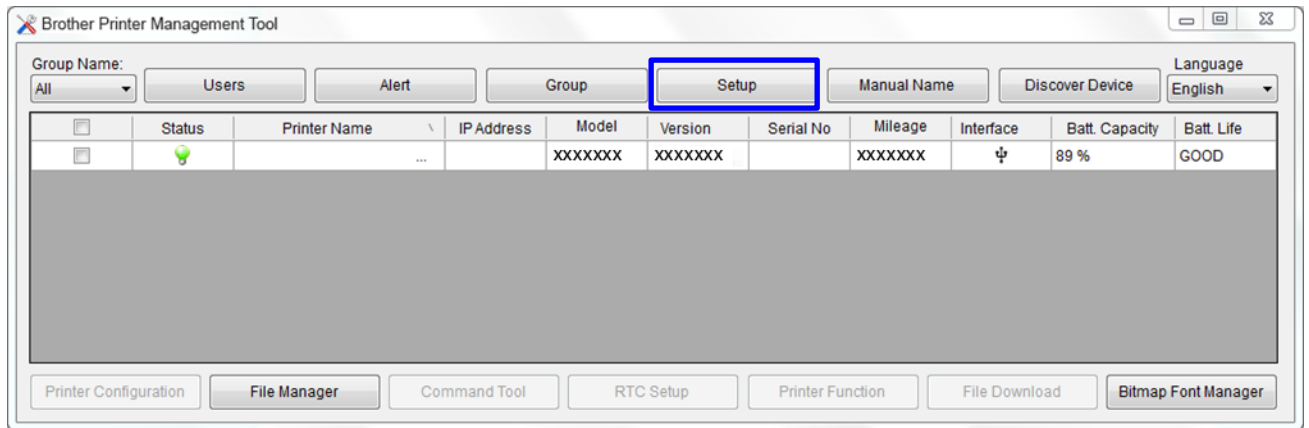
The image shows the 'Brother Printer Management Tool' window. The 'Batt. Capacity' and 'Batt. Life' columns in the printer list are highlighted with a blue box. The table below represents the data shown in the BPM:

Group Name	Status	Printer Name	IP Address	Model	Version	Serial No	Mileage	Interface	Batt. Capacity	Batt. Life
All		...		XXXXXXX	XXXXXXX		XXXXXXX		89 %	GOOD

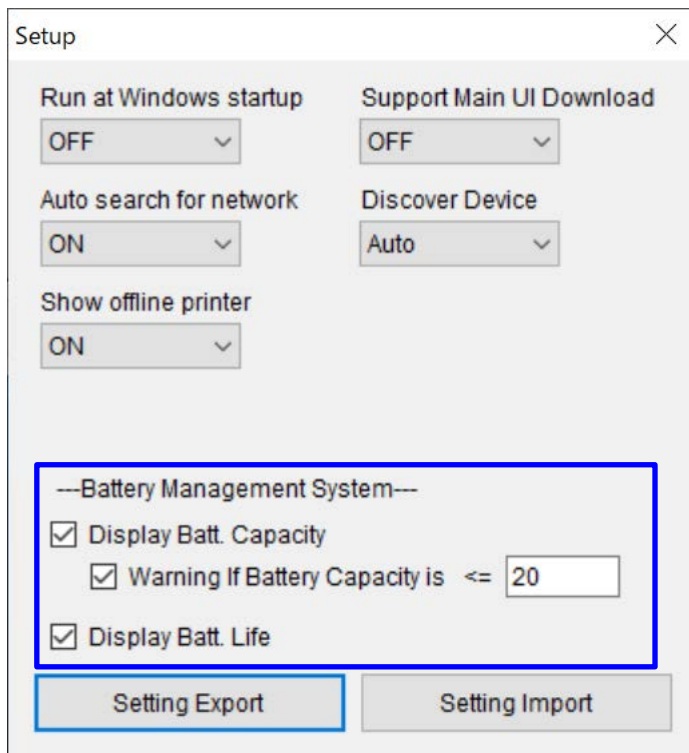
At the bottom, there are buttons for 'Printer Configuration', 'File Manager', 'Command Tool', 'RTC Setup', 'Printer Function', 'File Download', and 'Bitmap Font Manager'.

1. Insert the Rechargeable Li-ion Battery (Smart Battery) into your printer.
2. Connect the printer to the computer using a USB cable or Wi-Fi.

3. Start the BPM and click the **Setup** button.



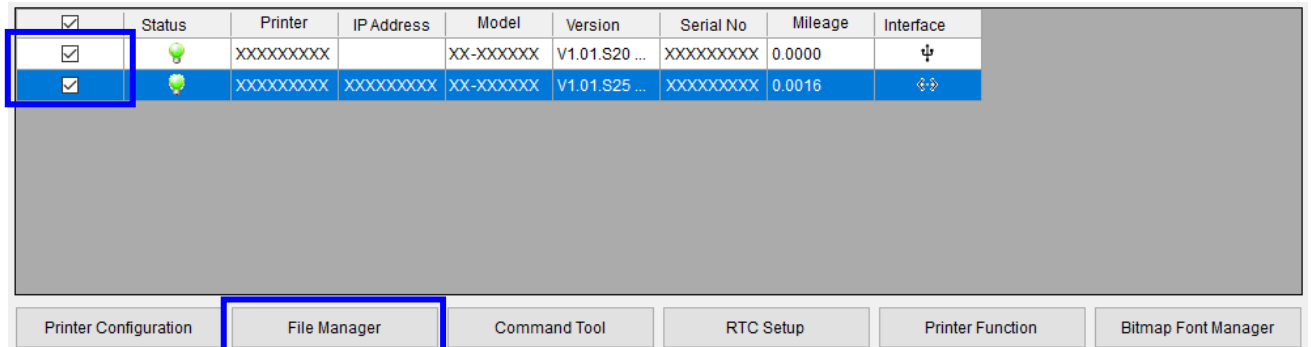
4. Select the Battery Management System settings you want , and then close the Setup dialog box by clicking the X in its upper right corner.



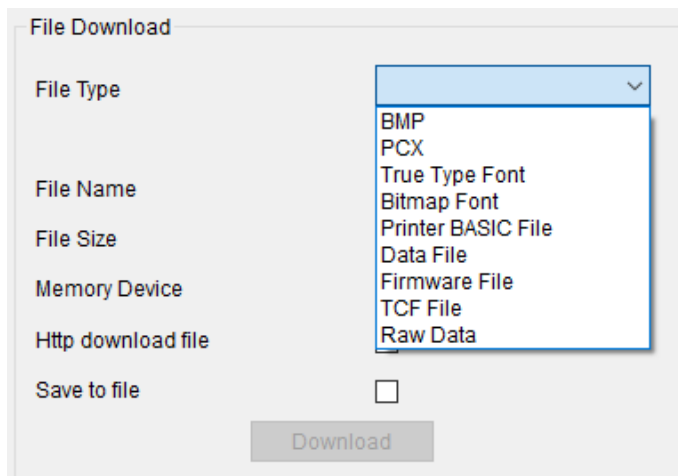
4. File Manager

The File Manager feature allows you to generate file headers, download files into the printer and browse them.

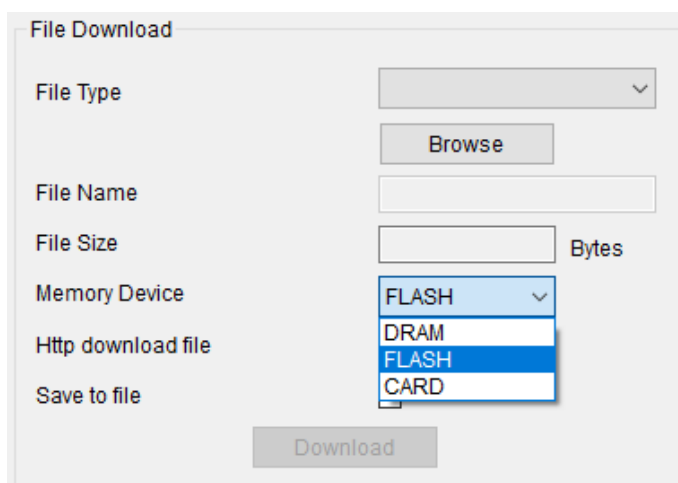
Select the printers from the list, and then click the **File Manager** button to access the settings page.



Downloading files to the specified memory device

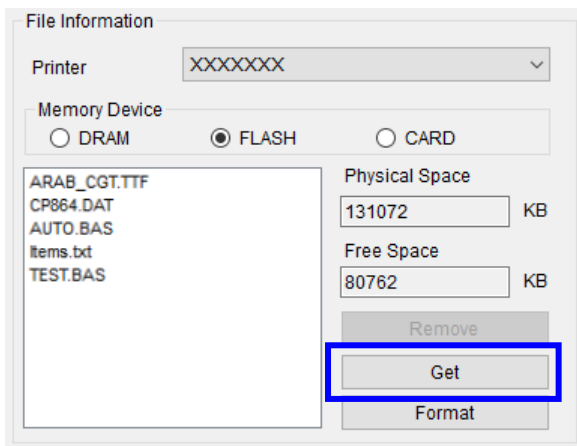


1. Select the file type, and then click the **Browse** button to select the files you want to download.



2. Select where to download the file using the **Memory Device** drop-down menu.
3. Click the **Download** button to start downloading the file to all printers.

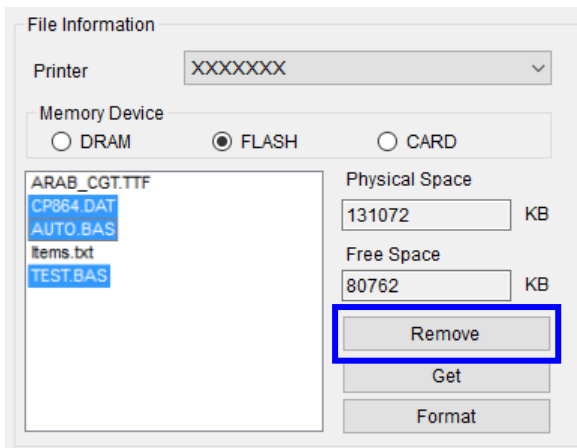
Listing the files saved on the specified memory device



The screenshot shows the 'File Information' dialog box. At the top, there is a 'Printer' dropdown menu set to 'XXXXXXXX'. Below it, the 'Memory Device' section has three radio buttons: 'DRAM', 'FLASH' (which is selected), and 'CARD'. On the left, a list of files is displayed: 'ARAB_CGT.TTF', 'CP864.DAT', 'AUTO.BAS', 'Items.txt', and 'TEST.BAS'. To the right of the file list, there are two text boxes: 'Physical Space' with the value '131072' and 'KB', and 'Free Space' with the value '80762' and 'KB'. At the bottom right, there are three buttons: 'Remove', 'Get' (which is highlighted with a blue rectangle), and 'Format'.

1. Select the printer.
2. Select the memory device type, and then click the **Get** button to retrieve a list of the files saved on the specified memory device.

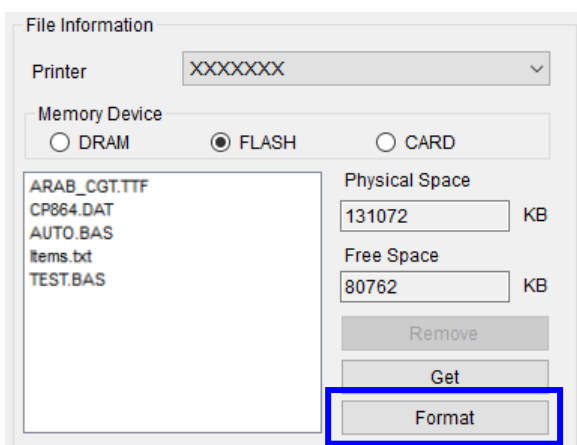
Removing selected files from the specified memory device



The screenshot shows the 'File Information' dialog box. The 'Printer' dropdown is set to 'XXXXXXXX'. The 'Memory Device' section has 'FLASH' selected. The file list on the left shows 'CP864.DAT', 'AUTO.BAS', 'Items.txt', and 'TEST.BAS' highlighted with blue selection boxes. The 'Physical Space' and 'Free Space' values are '131072 KB' and '80762 KB' respectively. At the bottom right, the 'Remove' button is highlighted with a blue rectangle.

1. Select the files you want to remove.
2. Click the **Remove** button to delete selected files from the specified memory device.

Removing all files from the specified memory device



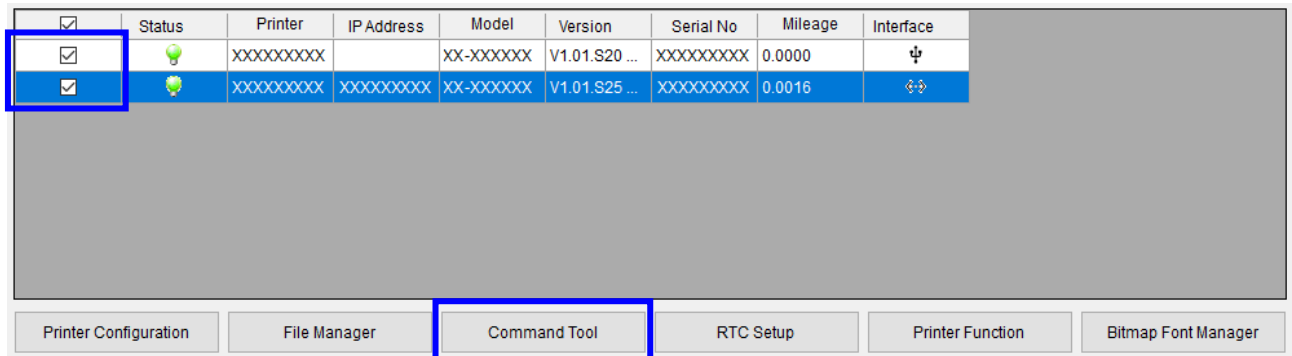
The screenshot shows the 'File Information' dialog box. The 'Printer' dropdown is set to 'XXXXXXXX'. The 'Memory Device' section has 'FLASH' selected. The file list on the left shows 'ARAB_CGT.TTF', 'CP864.DAT', 'AUTO.BAS', 'Items.txt', and 'TEST.BAS'. The 'Physical Space' and 'Free Space' values are '131072 KB' and '80762 KB' respectively. At the bottom right, the 'Format' button is highlighted with a blue rectangle.

1. Select the memory device.
2. Click the **Format** button to delete all the files on the specified memory device.

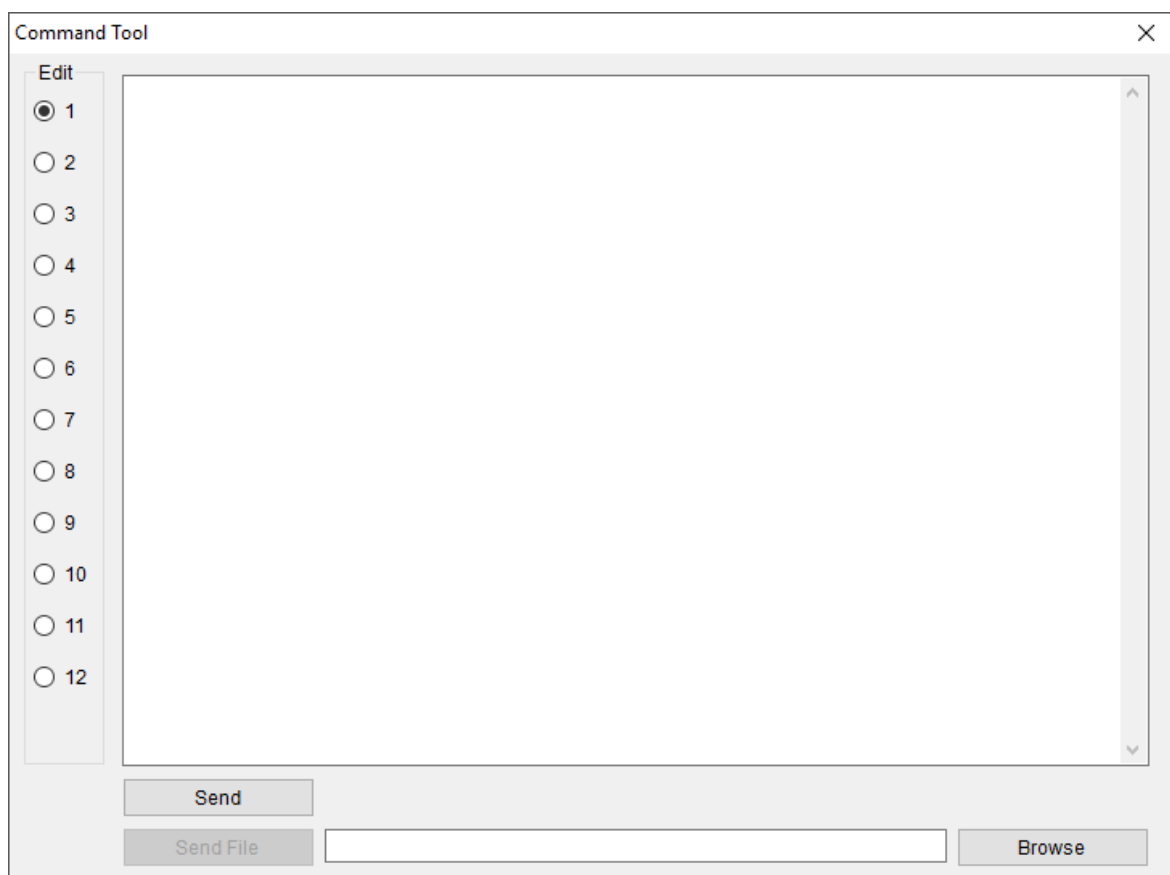
5. Command Tool

The Command Tool feature allows you to unlock additional features, which cannot be configured using the Brother Printer Management Tool, using printer commands.

Select the printers from the list, and then click the **Command Tool** button to access the settings page.



1. Select the radio button of the Editor page you want.

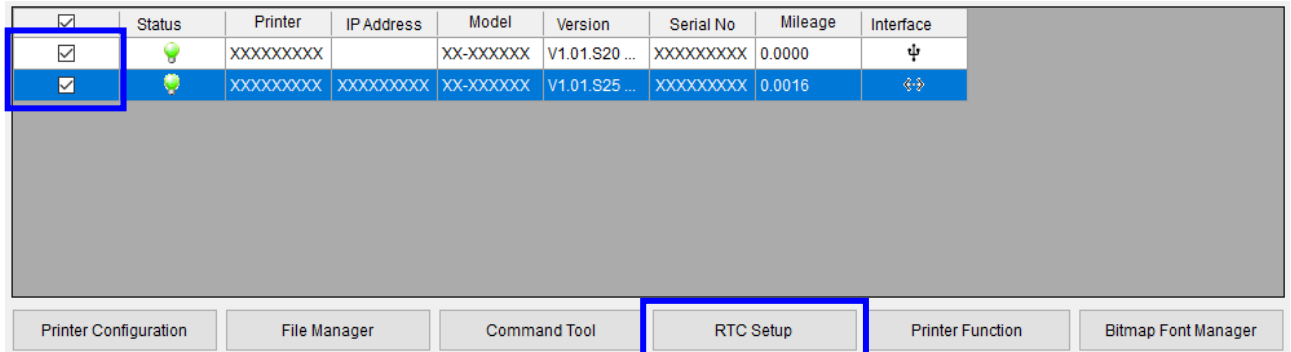


2. Enter the commands in the Editor window. Make sure you press the Enter key at the end of each command line.
3. Click the **Send** button to send the commands to more than one printer at the same time. You can also send a command file to all printers by clicking the **Send File** button.

6. RTC (Real Time Clock) Setup

This feature allows you to synchronize the printer's Real Time Clock with the computer.

1. Select the printers from the list, and then click the **RTC Setup** button to access the settings page.

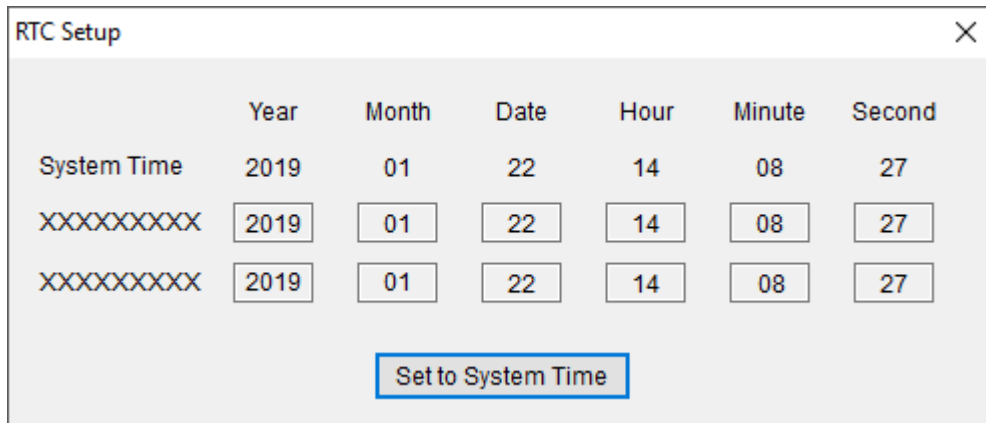


The screenshot shows a printer management interface. At the top, there is a table with columns: ☒, Status, Printer, IP Address, Model, Version, Serial No, Mileage, and Interface. The first two rows of the table are highlighted in blue. The first row has a green lightbulb icon in the Status column and a USB icon in the Interface column. The second row has a green lightbulb icon in the Status column and a USB icon in the Interface column. Below the table, there is a row of buttons: Printer Configuration, File Manager, Command Tool, RTC Setup, Printer Function, and Bitmap Font Manager. The RTC Setup button is highlighted with a blue border.

☒	Status	Printer	IP Address	Model	Version	Serial No	Mileage	Interface
☒	🟢	XXXXXXXXXX		XX-XXXXXX	V1.01.S20 ...	XXXXXXXXXX	0.0000	USB
☒	🟢	XXXXXXXXXX	XXXXXXXXXX	XX-XXXXXX	V1.01.S25 ...	XXXXXXXXXX	0.0016	USB

Printer Configuration   File Manager   Command Tool   **RTC Setup**   Printer Function   Bitmap Font Manager

2. Click the **Set to System Time** button to synchronize the printer's Real Time Clock with the computer.



The screenshot shows the RTC Setup dialog box. It has a title bar with "RTC Setup" and a close button (X). Inside the dialog, there is a table with columns: System Time, Year, Month, Date, Hour, Minute, and Second. The first row shows the system time: 2019, 01, 22, 14, 08, 27. The second and third rows show the printer's time: 2019, 01, 22, 14, 08, 27. Below the table, there is a button labeled "Set to System Time" which is highlighted with a blue border.

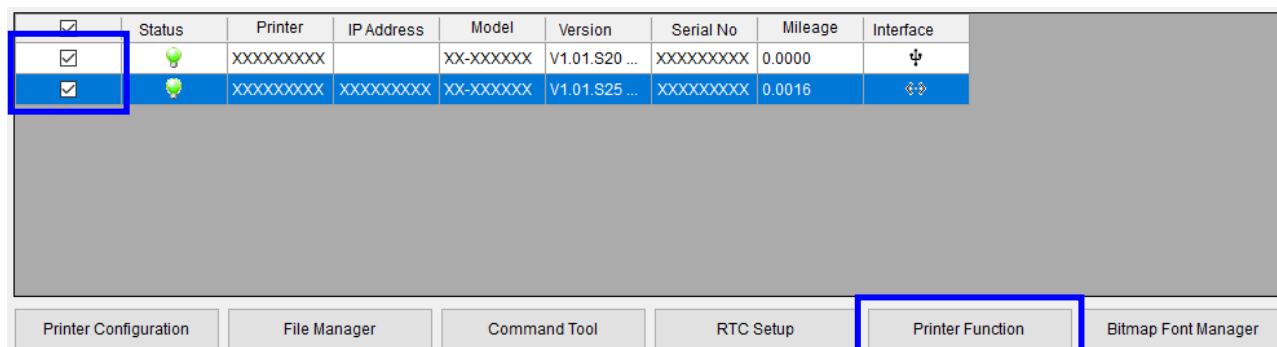
	Year	Month	Date	Hour	Minute	Second
System Time	2019	01	22	14	08	27
XXXXXXXXXX	2019	01	22	14	08	27
XXXXXXXXXX	2019	01	22	14	08	27

Set to System Time

7. Printer Function

The Brother Printer Management Tool allows you to configure printer functions without pressing any printer buttons.

Select the printers from the list, and then click the **Printer Function** button to access the settings page.

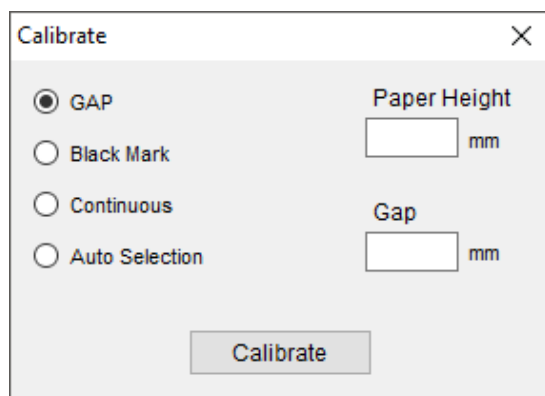


	Function	Description
Calibrate	Calibrate	Calibrate the sensor selected in the Media Sensor in the Printer Configuration feature.
Reset Printer	Reset Printer	Reboot the printer.
Factory Default	Factory Default	Initialize the printer and restore the settings to their default values.
Print Test Page	Print Test Page	Print a test page.
Configuration Page	Configuration Page	Print the printer configuration.
Ignore AUTO.BAS	Ignore AUTO.BAS	Ignore the downloaded AUTO.BAS program.
Exit Line Mode	Exit Line Mode	Exit the line mode.
Enter Line Mode	Enter Line Mode	Enter the line mode.
Dump Text	Dump Text	Activate the printer's dump mode.
Wi-Fi Default	Wi-Fi Default	Reset the Wi-Fi settings to their default values.

Calibrating the Media Sensor:

1. Make sure the media is already installed and the Print Head is closed.
2. Click the **Printer Function** button.
3. Click the **Calibrate** button.

4. Select the sensor media type you want to use.

A screenshot of a 'Calibrate' dialog box. It has a title bar with 'Calibrate' and a close button. Inside, there are four radio buttons: 'GAP' (selected), 'Black Mark', 'Continuous', and 'Auto Selection'. To the right of the radio buttons, there are two input fields. The first is labeled 'Paper Height' and has a text box followed by 'mm'. The second is labeled 'Gap' and also has a text box followed by 'mm'. At the bottom center, there is a 'Calibrate' button.

Note

- The printer starts the calibration first from the sensor you selected.
  - If the printer cannot calibrate the pre-printed media or media with holes, type the **Paper Height** or **Gap**.
-

5. Click **Calibrate**.



Note: Models RJ-2035B/2055WB/3035B/3055WB only:

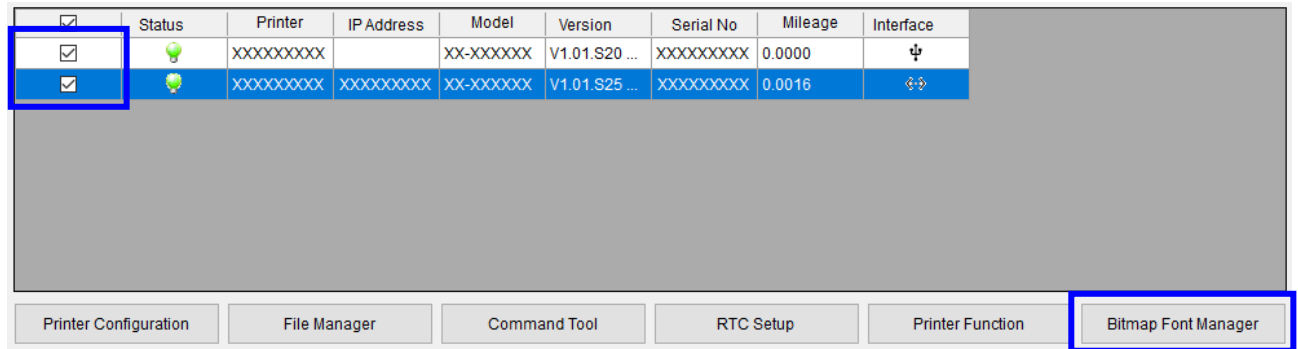
For more information about Line Mode, visit www.brother.co.jp/eng/dev/ and see the *CPCL Emulation Command Reference* or *ESC/POS Emulation Command Reference*.

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8. Bitmap Font Manager

The Bitmap Font Manager helps convert TTF fonts into the bitmap fonts supported by the printer (both fixed pitch and variable pitch bitmap).

1. Select the printers from the list, and then click the **Bitmap Font Manager** button to enter the settings page.



2. Select **Standard Encode** from the **Font Encode** drop-down list and select **Variable Pitch** from the **Font Pitch** drop-down list. Then, specify the applicable font settings.

The screenshot shows the 'Bitmap Font Manager' window with the following settings:

- Font Select**
  - Font Encode: Standard Encode
  - Font Pitch: Variable Pitch
  - Printer Device: FLASH
- Windows Font Name: Arial
- Font Size: 10
- ABCD preview box
- Select Font button
- Preview Font button
- Printer Font Name: FONT001
- Font Width: 13
- Font Height: 16
- Italic Width: 0
- Code Page: 1252

Standard Encode

- Font Mapping: Standard Mapping
- Character Start ASCII: 32
- Character End ASCII: 127

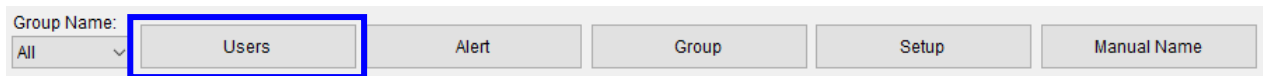
Encode by Table

- ☐ Enable
- Empty table area
- Load button
- Save button

Save Font   **Download Font**

9. Users Configuration

The **Users** feature allows you to create user profiles, protect the settings with a password, and assign permissions to specific user IDs.

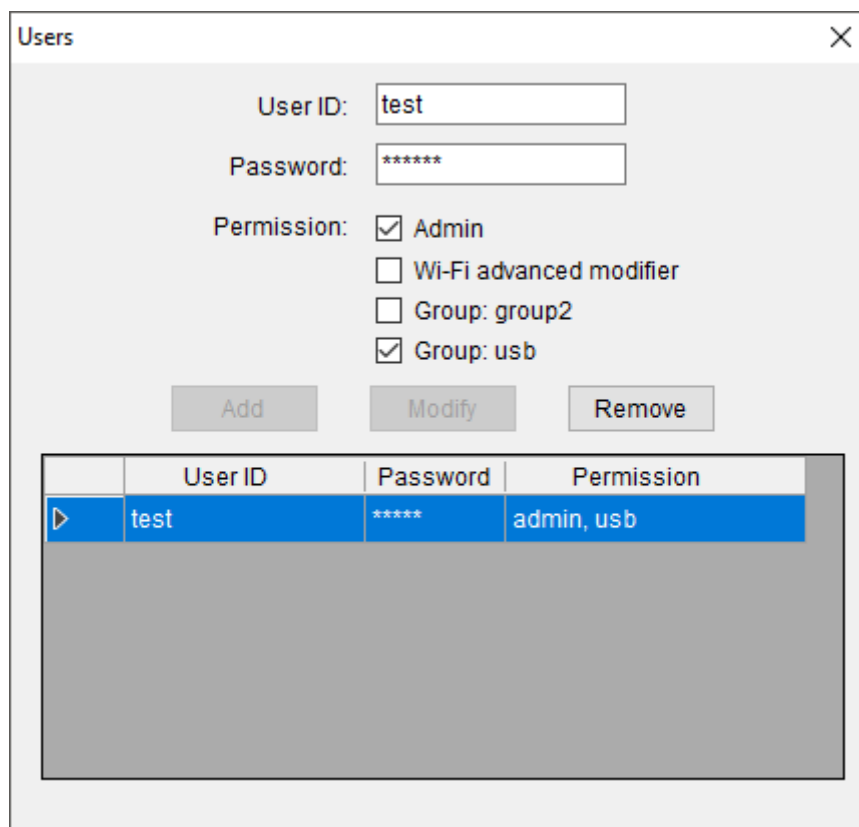


Group Name: **Users** Alert Group Setup Manual Name

Example:

Enter a user named “test”, enter the password, and select the **Admin** and **Group: usb** permission check boxes.

For more information, see [11.Group Configuration](#).



Users

User ID: test

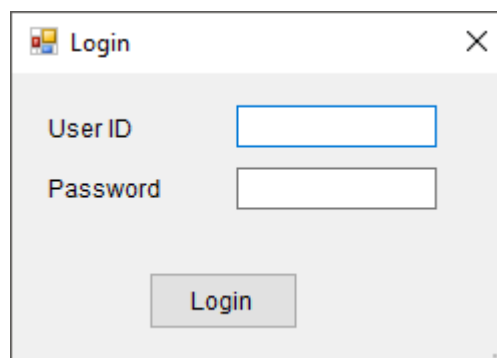
Password: *****

Permission: ☒ Admin
☐ Wi-Fi advanced modifier
☐ Group: group2
☒ Group: usb

Add Modify Remove

	User ID	Password	Permission
▶	test	*****	admin, usb

Click **Add**. The login dialog box will appear every time the Brother Print Management Tool starts.



Login

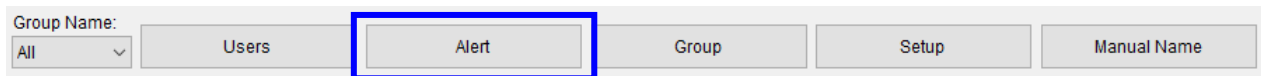
User ID

Password

Login

10. Alert Configuration

The **Alert** feature allows you to monitor and record the status of specific printers or printer groups.

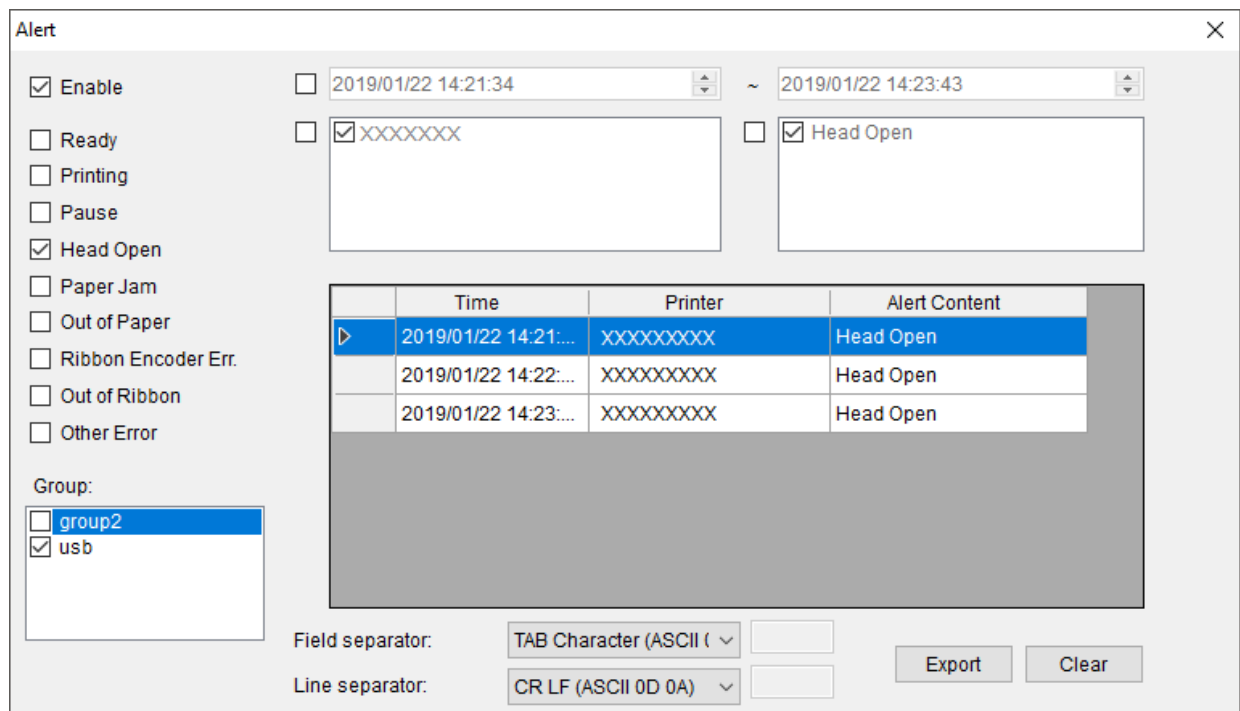


A toolbar with five buttons: 'Group Name:', 'Users', 'Alert', 'Group', 'Setup', and 'Manual Name'. The 'Alert' button is highlighted with a blue border.

1. Click the **Alert** button.
2. Select the items you want to be alerted to.
3. Select the printer group.
4. Close the **Alert** window.

Example:

If you select the **Enable** and **Head Open** check boxes, and then select the "usb" group, an alert will be displayed every time the "Head Open" error occurs. You can also export these settings into a file. For more information, see [11.Group Configuration](#).



The 'Alert' window shows configuration options for monitoring printer status. It includes checkboxes for 'Enable', 'Ready', 'Printing', 'Pause', 'Head Open', 'Paper Jam', 'Out of Paper', 'Ribbon Encoder Err.', 'Out of Ribbon', and 'Other Error'. The 'Head Open' checkbox is checked. A date range is set from 2019/01/22 14:21:34 to 2019/01/22 14:23:43. A list of printer groups is shown with 'group2' and 'usb' selected. A table displays the alert history.

	Time	Printer	Alert Content
▶	2019/01/22 14:21:...	XXXXXXXXXX	Head Open
	2019/01/22 14:22:...	XXXXXXXXXX	Head Open
	2019/01/22 14:23:...	XXXXXXXXXX	Head Open

Field separator: TAB Character (ASCII 9) | Line separator: CR LF (ASCII 0D 0A) | Export | Clear

11. Group Configuration

The **Group** feature allows you to create printer groups according to their IP address, interface, and model name.

Group Name: All Users Alert **Group** Setup Manual Name

Example:

If you add "usb" as the Group Name, leave the IP address fields blank, set the Interface to **USB**, and the Model Name to **Not specify**, so that all USB-connected printers are filtered out.

Group

Group Name:

First IP Address: ~

Last IP Address:

Interface: ☐ Not specify
☐ Net
☒ **USB**

Model Name: ☒ Not specify
☐ XX-XXXXXX

	Group Name	IP Address	Model Name	Interface
▶	usb			USB

Click **Add**. The new "usb" group appears in the **Group Name** drop-down menu.

▼
All
usb

Group Name: usb Users Alert Group Setup

☐	Status	Printer	IP Address	Model	Version	Serial No	Mileage	Interface
☐	💡	XXXXXXXXXX		XX-XXXXXX	V1.01.S20 ...	XXXXXXXXXX	0.0005	ψ

12. Setup Configuration

The **Setup** feature allows you to configure the Brother Printer Management Tool.

Group Name: All Users Alert Group **Setup** Manual Name

1. Click the **Setup** button.
2. Select the settings you want.
3. Click the **Setting Export** button.

Function	Description
Run at Windows startup	Runs the BPM at Windows startup.
Auto search for network	Sets the BPM to automatically search for new printers.
Show offline printer	Displays or hides offline printers.
Support Main UI Download	Enables or disables the Download button on each settings page.
Discover Device	Changes the device discovery method (Auto/Manual).
Setting Export	Exports the current settings to a file.
Setting Import	Imports settings from a file.

Setup

Run at Windows startup: OFF

Support Main UI Download: OFF

Auto search for network: ON

Discover Device: Auto

Show offline printer: ON

Setting Export

Setting Import



Note

If you have changed the device discovery setting to "Manual", click the **Discover Device** button to refresh the printer list.

Group Name: All Users Alert Group Setup Manual Name **Discover Device** Language: English

When in manual mode, the discovered printer's status icon will be highlighted in blue (Ethernet connection only).

Group Name: All Users Alert Group Setup Manual Name Discover Device Language: English								
☒	Status	Printer	IP Address	Model	Version	Serial No	Mileage	Interface
☒		XXXXXXXX	XXXXXXXX	XX-XXXXXX	V1.01.S20 EZD	XXXXXXXX	0.0005	<->
☒		XXXXXXXX	XXXXXXXX	XX-XXXXXX	V1.01.S20 EZD	XXXXXXXX	0.0005	<->

13. Manual Name Configuration

The **Manual Name** feature allows you to rename the printers listed by the software, helping to manage multiple printers more easily.

Group Name: All Users Alert Group Setup Manual Name

Example:

Printer Name	Model Name	Manual Name
XXXXXX	XX-XXXXXX	Printer 01
XXXXXX	XX-XXXXXX	Printer 02

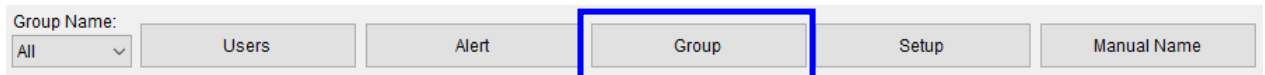
☐	Status	Printer	IP Address	Model	Version	Serial No	Mileage	Interface
☐		Printer 01	XXXXXXXXXX	XX-XXXXXX	V1.01.S20 ...	XXXXXXXXXX	0.0005	USB
☐		Printer 02	XXXXXXXXXX	XX-XXXXXX	V1.01.S25 ...	XXXXXXXXXX	0.0016	<->

Printer All All Printer 01 (XXXXXXXXXX) Printer 02 (XXXXXXXXXX)

14. Firmware Update

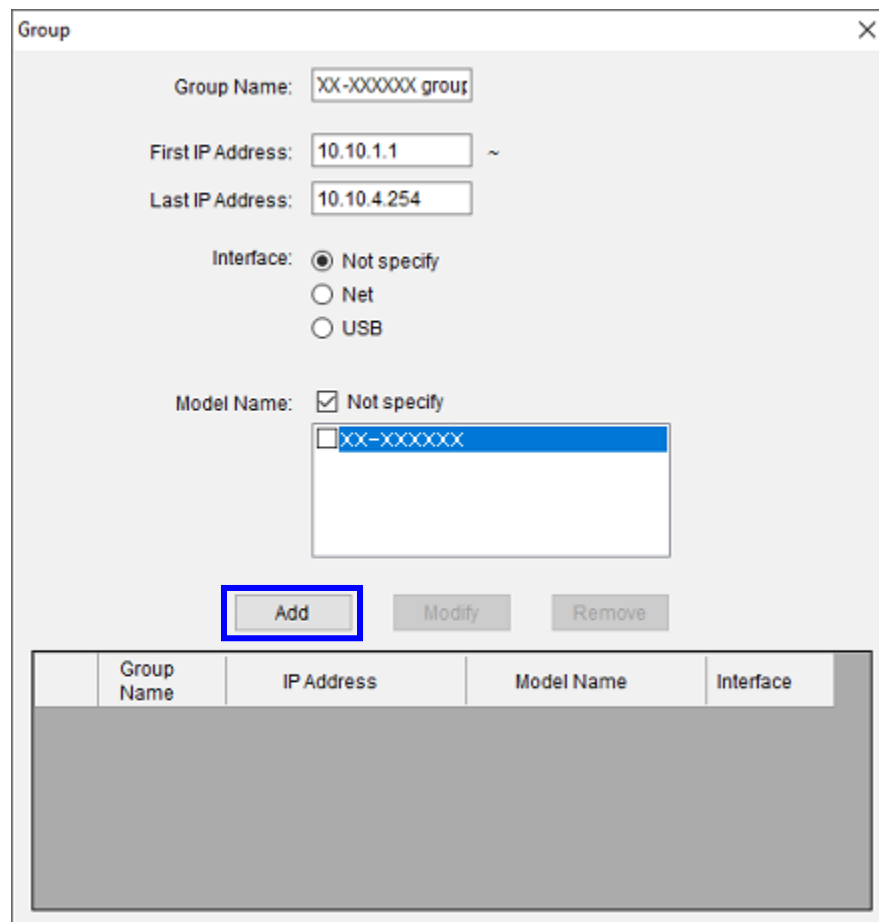
To update your printer group's firmware, make sure the printers belong to the same subnet and are listed on the Brother Printer Management Tool's home page. Check your router's settings, if necessary.

1. Click the **Group** button to create a printer group.



The screenshot shows the top navigation bar of the Brother Printer Management Tool. It includes a 'Group Name' dropdown menu set to 'All', and several buttons: 'Users', 'Alert', 'Group', 'Setup', and 'Manual Name'. The 'Group' button is highlighted with a blue rectangular box.

2. Add a group named "XX-XXXXXX group".
3. Set the IP address range between 10.10.1.1 and 10.10.4.254.
4. Select **Not specify** for **Interface**.
5. Select the "XX-XXXXXX" for Model Name.
6. Click the **Add** button. The new printer group appears in the list.



The screenshot shows the 'Group' dialog box with the following fields and options:

- Group Name: XX-XXXXXX group
- First IP Address: 10.10.1.1 ~
- Last IP Address: 10.10.4.254
- Interface: ☒ Not specify, ☐ Net, ☐ USB
- Model Name: ☒ Not specify, ☐ XX-XXXXXX

At the bottom, there are three buttons: 'Add', 'Modify', and 'Remove'. The 'Add' button is highlighted with a blue rectangular box.

Group Name	IP Address	Model Name	Interface



Group

Group Name:

First IP Address: ~

Last IP Address:

Interface: ☒ Not specify
☐ Net
☐ USB

Model Name: ☐ Not specify
☒

Group Name	IP Address	Model Name	Interface
XX-XXXXXX	10.10.1.1 ~ 10.10.4.254	XX-XXXXXX, XX-XXXXXX	Not specify

- Close the **Group** window.
- Select the "XX-XXXXXX group" on the home page. The printers belonging to that group will be listed. Select up to four printers that need a firmware update.

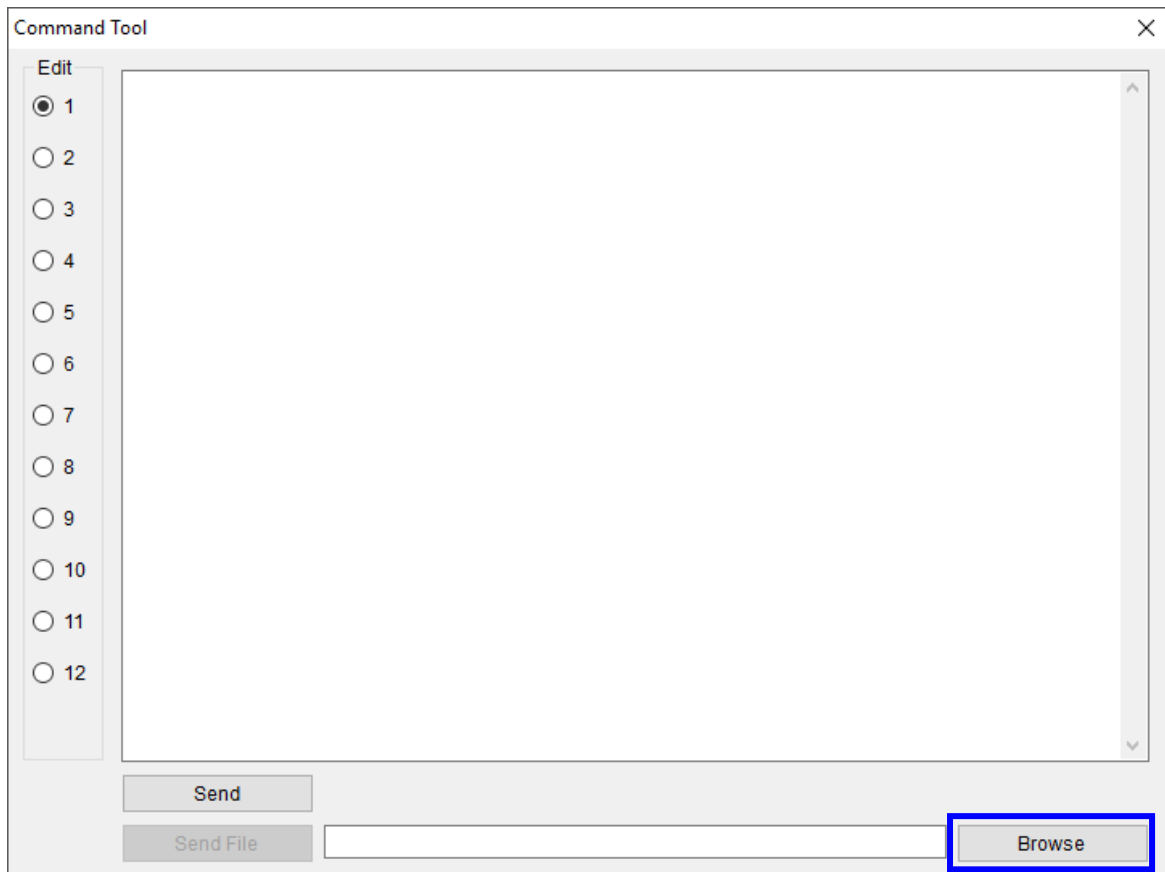
Brother Printer Management Tool

Group Name: Users Alert Group Setup Manual Name Discover Device Language English

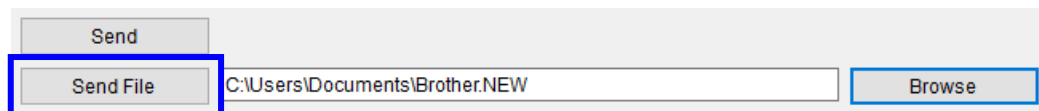
☒	Status	Printer	IP Address	Model	Version	Serial No	Mileage	Interface
☒		XXXXXXXXXX	10.10.1.1	XX-XXXXXX	V1.01.S20 EZD	XXXXXXXXXX	0.0005	<->
☒		XXXXXXXXXX	10.10.2.1	XX-XXXXXX	V1.01.S20 EZD	XXXXXXXXXX	0.0005	<->
☒		XXXXXXXXXX	10.10.3.1	XX-XXXXXX	V1.01.S20 EZD	XXXXXXXXXX	0.0005	<->
☒		XXXXXXXXXX	10.10.4.1	XX-XXXXXX	V1.01.S20 EZD	XXXXXXXXXX	0.0005	<->

- Click the **Command Tool** button.

10. Click the **Browse** button to select a firmware file (*.NEW), and then click the **Open** button.



11. Click the **Send File** button to start updating the XX-XXXXXX printer group's firmware.



12. Check the Version column to make sure the printers' firmware has been updated.

☒	Status	Printer	IP Address	Model	Version	Serial No	Mileage	Interface
☒		XXXXXXXXXX	XXXXXXXXXX	XX-XXXXXX	V1.01.S20 EZS / V1.01.S25 EZS	XXXXXXXXXX	0.0005	<->
☒		XXXXXXXXXX	XXXXXXXXXX	XX-XXXXXX	V1.01.S20 EZS / V1.01.S25 EZS	XXXXXXXXXX	0.0016	<->
☒		XXXXXXXXXX	XXXXXXXXXX	XX-XXXXXX	V1.01.S20 EZS / V1.01.S25 EZS	XXXXXXXXXX	0.0005	<->
☒		XXXXXXXXXX	XXXXXXXXXX	XX-XXXXXX	V1.01.S20 EZS / V1.01.S25 EZS	XXXXXXXXXX	0.0016	<->

brother