



**Software Manual**

# **BIXOLON Utility**

**iOS**

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**Ver. 1.04**

<http://www.bixolon.com>

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## **1. Manual Information**

This manual provides information for changing the printer's settings in the BIXOLON utility application running in the iOS environment.

## **2. Usage Environment**

### **2-1 Operating System**

- iOS 10.0 or Later

### **2-2 Interface**

- Wi-Fi
- Bluetooth
- Ethernet

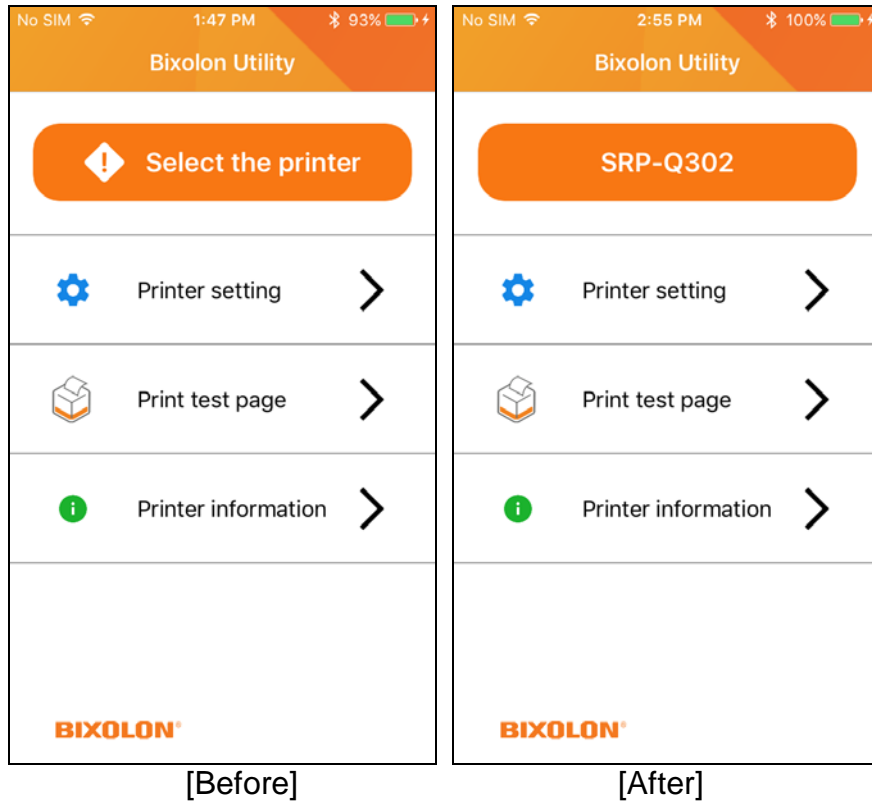
### **2-3 Supported Printer**

- POS / Mobile receipt printers
  - SPP-R200II, SPP-R200III, SPP-R210, SPP-R220
  - SPP-R300, SPP-R310
  - SPP-R400, SPP-R410, SPP-R418
  - SRP-350III, SRP-352III, SRP-350plusIII, SRP-352plusIII
  - SRP-F310II, SRP-F312II, SRP-F313II
  - SRP-380, SRP-382, SRP-383
  - SRP-330II, SRP-332II
  - SRP-S300
  - SRP-275III
  - SRP-Q300, SRP-Q302
  - SRP-QE300, SRP-QE302
  - SRP-E300, SRP-E302
  - SRP-Q200
  - SRP-S320
  - SRP-S3000
- Label / Mobile Label printers
  - SLP-DX220, SLP-DX223
  - SLP-DX420, SLP-DX423
  - SLP-TX400, SLP-TX403
  - SLP-TX420, SLP-TX423
  - SLP-TX220, SLP-TX223
  - SLP-DL410, SLP-DL413
  - SRP-770III, SRP-E770III
  - XT5-40(RFID), XT5-43(RFID), XT5-46(RFID)
  - XD5-40d, XD5-43d
  - XD5-40t(RFID), XD5-43t(RFID)
  - XL5-40CT, XL5-40CT
  - SPP-L3000, SPP-L310, SPP-L410
  - XM7-40
  - XM7-20
  - SRP-S3000\_LABEL
  - XD3-40d
  - XD3-40t
- B-gate
  - BGT-100P, BGT-102P, SRP-F310IIHi, SRP-F312IIHi, SRP-Q300H, SRP-Q302H, SRP-S300Hi

## 3. Detailed Functions

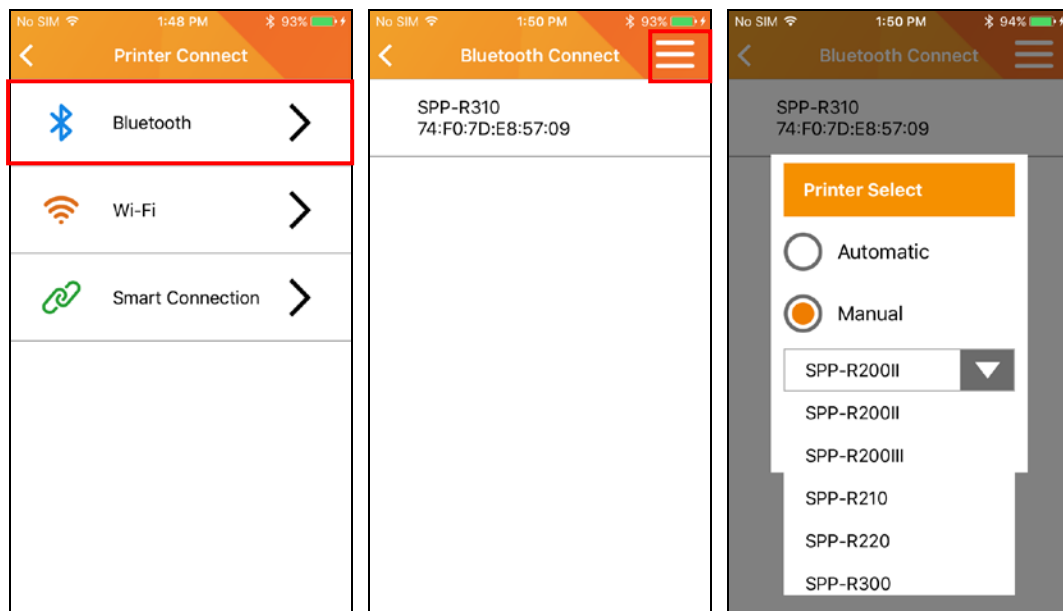
### 3-1 Printer Connection

- You can discover the printers by clicking the "Select a printer" button, and you can change the printer settings by selecting an model from the discovered printers.
- If the connection is successful, you can check the model name as shown below.



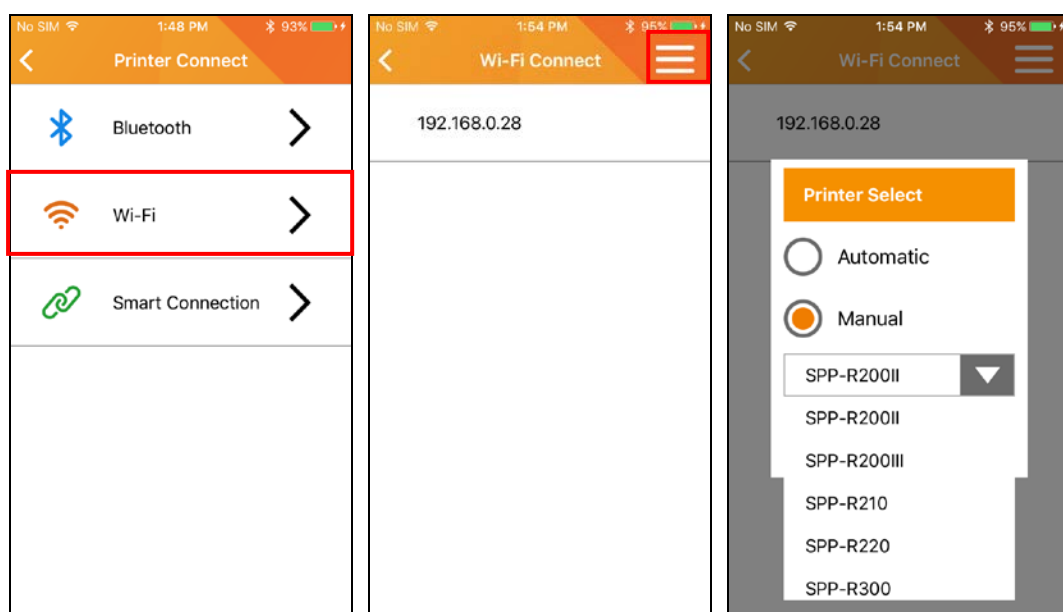
## **3-1-1 Bluetooth**

- A list of printers paired with the HOST device (iPhone or iPad) will be shown.
- When selecting a printer from the list, it will try to establish connection.
- Once connected, it will return to the main screen.
- A printer you want to connect can be selected manually by clicking the icon on the upper right.



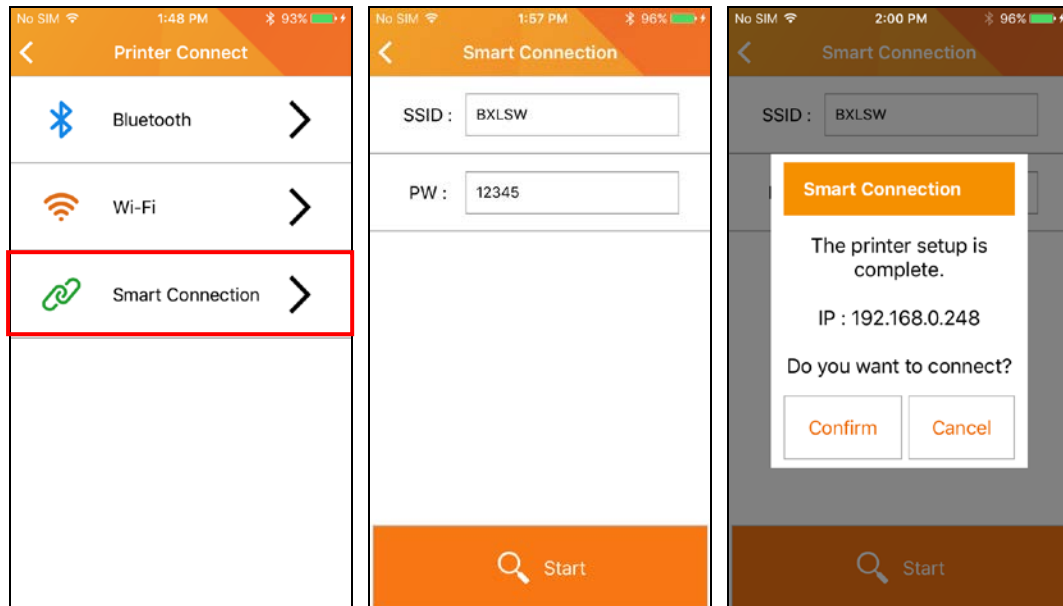
## **3-1-2 Wi-Fi**

- A list of printers connected to the same network will be displayed.
- When selecting a printer from the list to connect, it will try to establish connection.
- Once connected, it will return to the main screen.
- A printer you want to connect can be selected manually by clicking the icon on the upper right.



### **3-1-3 Smart Connection**

- Smart Connection is a software function that allows the user to easily set a printer's network by automatically configuring it to the network status in which it can be connected to the host device.
- This function is available only for the printer models that support Smart Connection. Please check the specification sheet for detailed information about support.
- Once the settings are configured, you can connect to the printer.
- Once connected, it will return to the main screen.

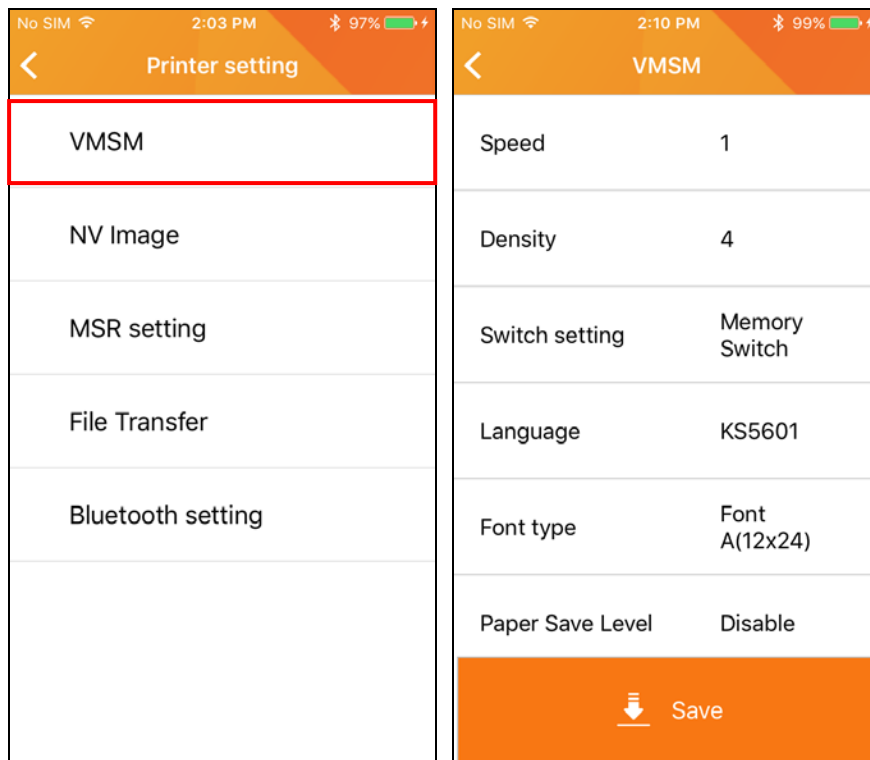


**3-2 Printer Settings**

- Change the printer's default settings.

**3-2-1 POS****1) VMSM**

The settings such as print speed, density, language, and font will be displayed on the screen. The configurable settings may be different depending on the model.



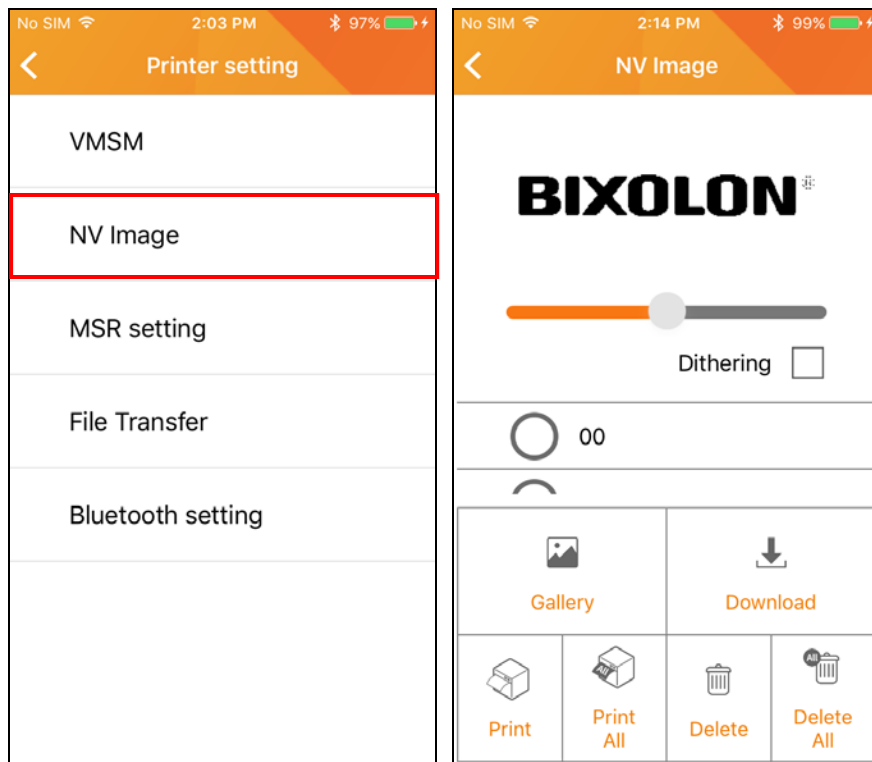
- Speed: Set the printing speed.
- Density: Set the printing density.
- Language: Set a language to use when printing.
- Font type: Set the font type.
- Switch setting: Set using Memory switch or Dip switch.
- Power Save Mode: Set the power saving mode for low power consumption.
- Auto cutter selection: Set the paper cutting method.
- Cutter Depth Adjustment: Set the paper width which is not cut when using a partial cut operation.
- Paper Save Level: Set the paper saving level.
- Paper save mode cutting correction: Enable or disable the cut offset when setting the level for the paper saving option.
- 90 Degree Rotation Mode: Texts prints with 90 degree rotation.
- Back-Feeding Mode: Reverse feeds the paper to the specific position before the start of printing.
- Automatic feed in idle mode: Feeds the paper at every specified time interval when the printer is in the sleep mode.
- Black Mark cut position: Cut after feeding the paper to the default cutting position or black-mark position.
- Upside down printing: Enable or disable the vertical flip option.
- Paper End Buzzer: Sets beeping when reaching paper roll out.



- Statistics Data Printing mode: Enable or disable the statistical data printing mode.
- Printer service: Change the receipt mode and label mode.
- Tear off position: Set the cut position when using the label mode.
- Beep For Roll Paper End: Sets beeping when reaching paper roll out.
- Beep mode For Low Battery End: Sets beeping when reaching low battery capacity.
- Auto Power off time: Sets time interval between absence of printer use and automatic turning off of printer power.
- Auto Power Saving Time: Sets time interval for automatic entering into power saving mode while the printer is in use.

## 2) NV Image

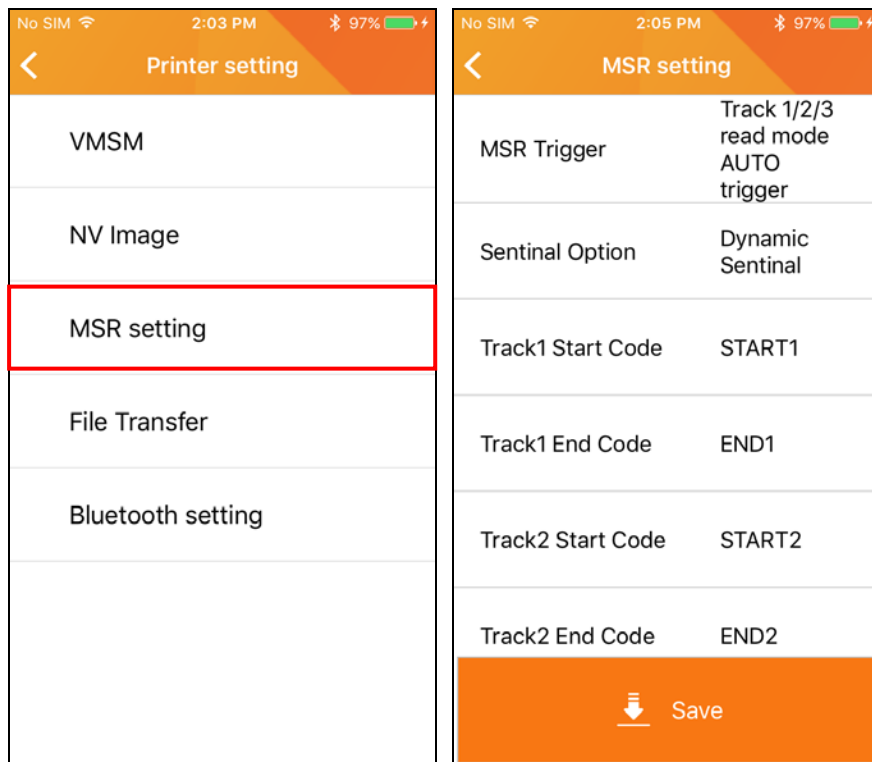
Manage the images stored in the flash memory.



- Gallery: go to the gallery page.
- Download: download images.
- Print: Print an image selected from the list.
- Print All: Print all images saved on the printer.
- Delete: Delete images selected from the list.
- Delete All: delete all images in the printer.

### 3) MSR setting

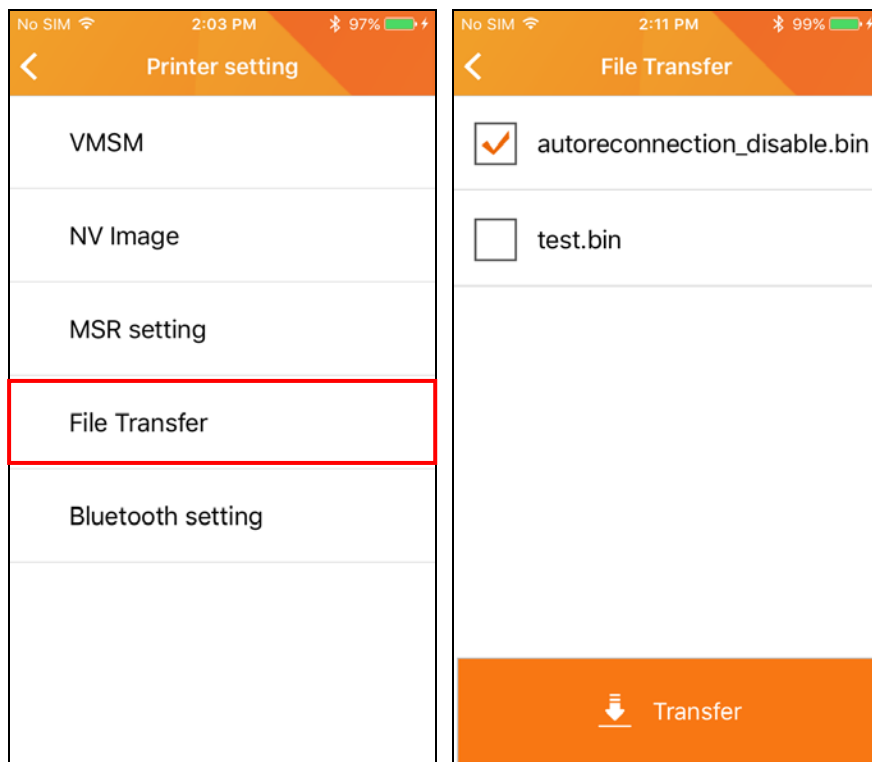
The menu displays on a mobile printer with an MSR reader.



- MSR Trigger: MSR Sets MSR data scanning mode.
- Sentinal Option: Set the type of characters for the beginning and end of the track data in MSR data.
- Track1 Start Code: Set the type of characters for the beginning of the track 1 data in MSR data.
- Track1 End Code: Set the type of characters for the end of the track 1 data in MSR data.
- Track2 Start Code: Set the type of characters for the beginning of the track 2 data in MSR data.
- Track2 End Code: Set the type of characters for the end of the track 2 data in MSR data.
- Track3 Start Code: Set the type of characters for the beginning of the track 3 data in MSR data.
- Track3 End Code: Set the type of characters for the end of the track 3 data in MSR data.

#### 4) File Transfer

Load a list of files saved in the Document directory.  
When selected, it can be transferred to the printer.

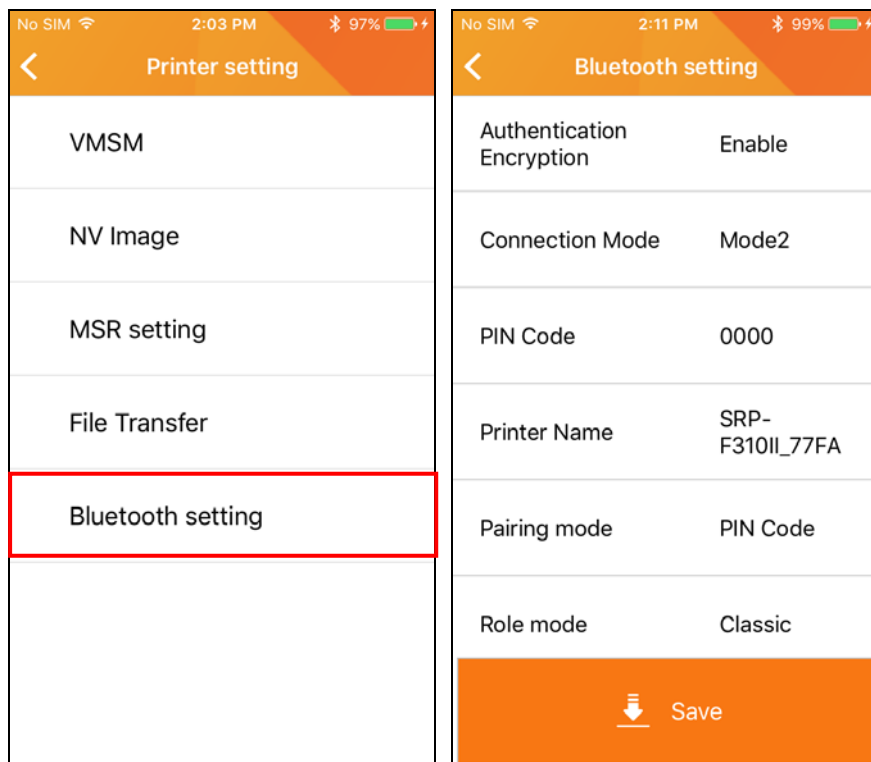
**Note**

Only “.txt” and “.bin” files are supported.

## 5) Bluetooth setting

Configure the Bluetooth settings.

The configurable settings are different between POS printers and mobile printers.



- Authentication Encryption: Sets or cancels Authentication & Encryption mode when connecting via Bluetooth.
- Connection mode: Sets Mode when connecting via Bluetooth.
- PIN Code: Changes the PIN Code required for Bluetooth connections.
- Printer Name: Changes the device name produced when establishing a Bluetooth connection.
- Pairing mode: Set the Bluetooth connection method.
- Role mode: Set the Bluetooth role mode.
- Auto reconnection: Retry setting on Bluetooth can be enabled when Bluetooth connection is released.

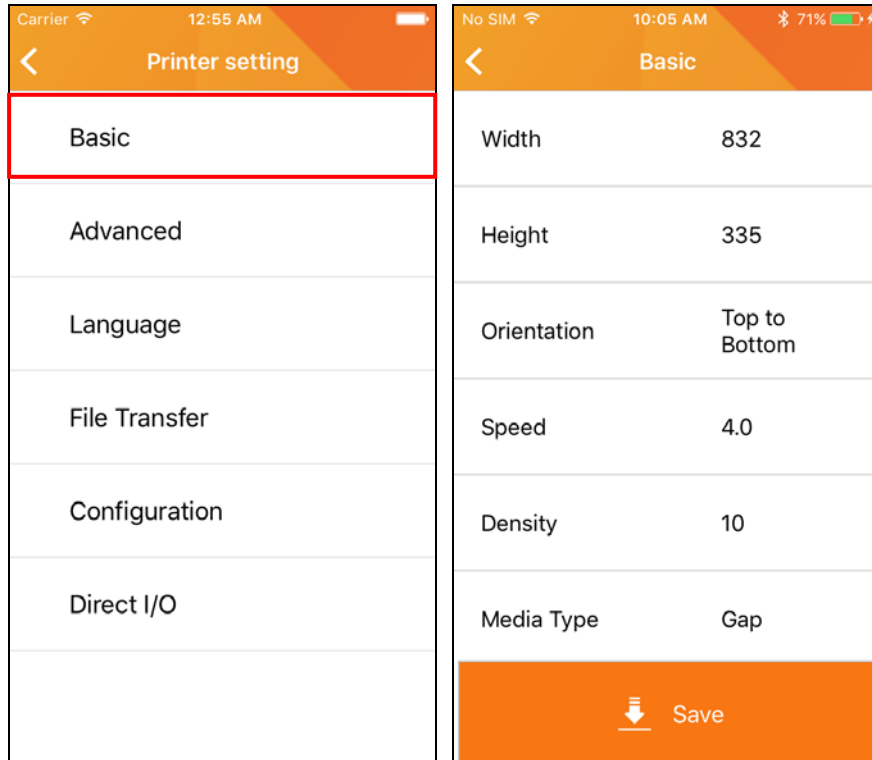


### **Note**

- For POS printers, they should support Bluetooth connection and can be enabled when connected via Wi-Fi.
- Pairing mode and roll mode are only supported by a POS printer and may not be supported depending on the Bluetooth version.

**3-2-2 Label****1) Basic**

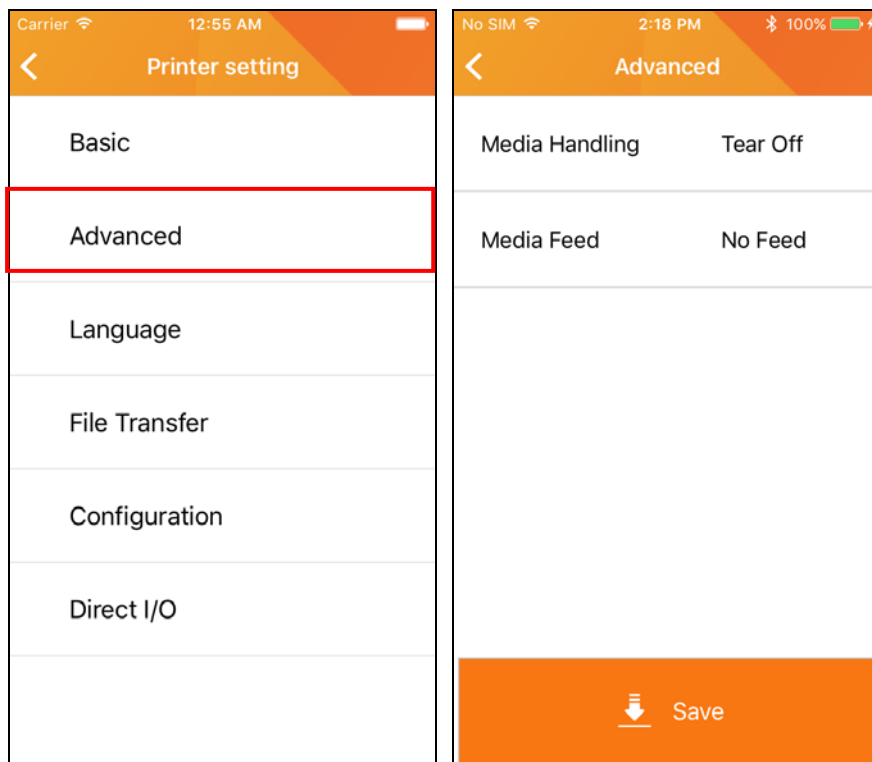
Printer settings such as label size, speed, density and media type will be displayed on the screen. Make any necessary changes and save



- Width: set the label width.
- Height: set the label height.
- Orientation: set the printing orientation.
- Speed: set the printing speed.
- Density: set the printing density.
- Print Mode: set the sensor type.
- Media Type: set the media type, e.g., gap, continuous, black mark.
- Tear Off: set the position of cut line.
- Offset: set the position of the printing area.
- Media unit: set the display and input units for width, height, and offset.

## 2) Advance

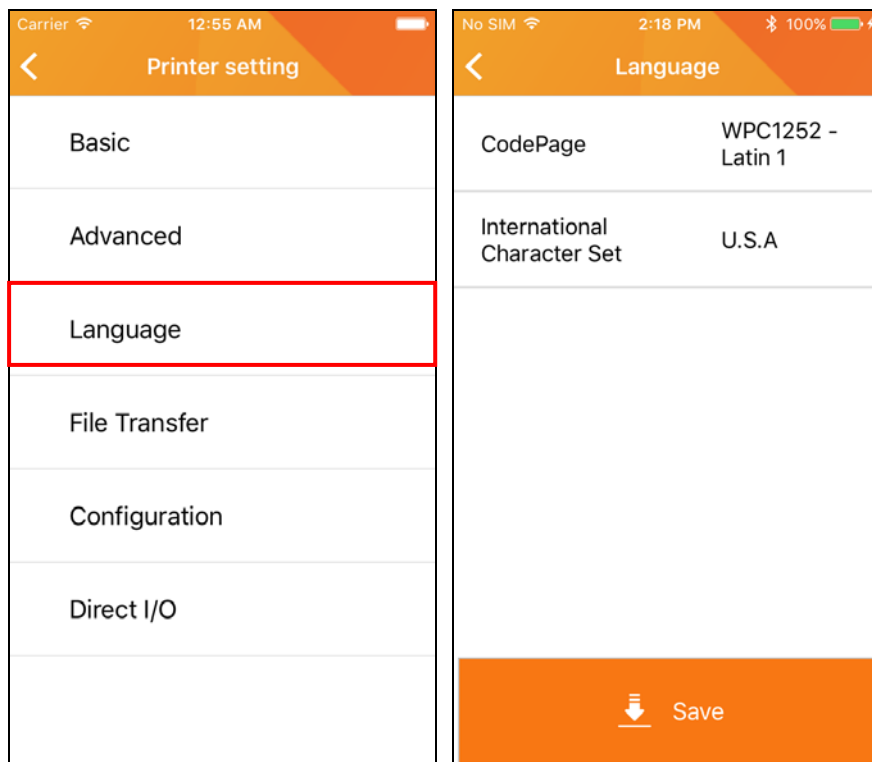
Settings such as media handling will be displayed on the screen.  
Make any necessary changes and save.



- Media Handling: configure the media handling settings, e.g., tear off, cutter.
- Media Feed: enable/disable media feed.

### 3) Language

Settings such as code page and international character set are displayed on the screen. Make any necessary changes and save.

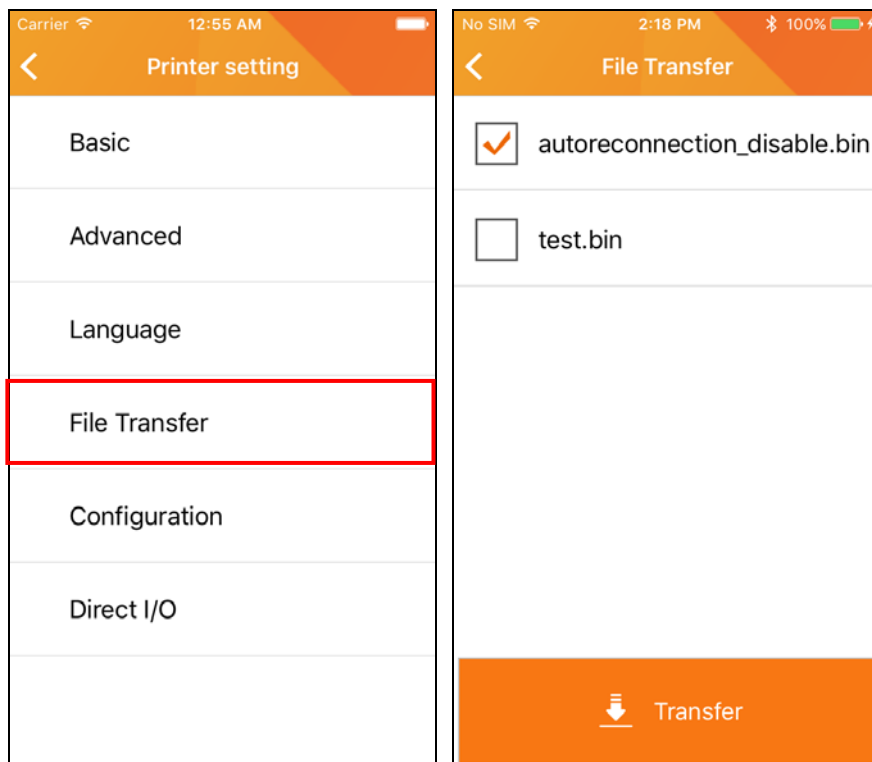


- Code page: change the code page.
- International Character Set: set the language.



#### 4) File Transfer

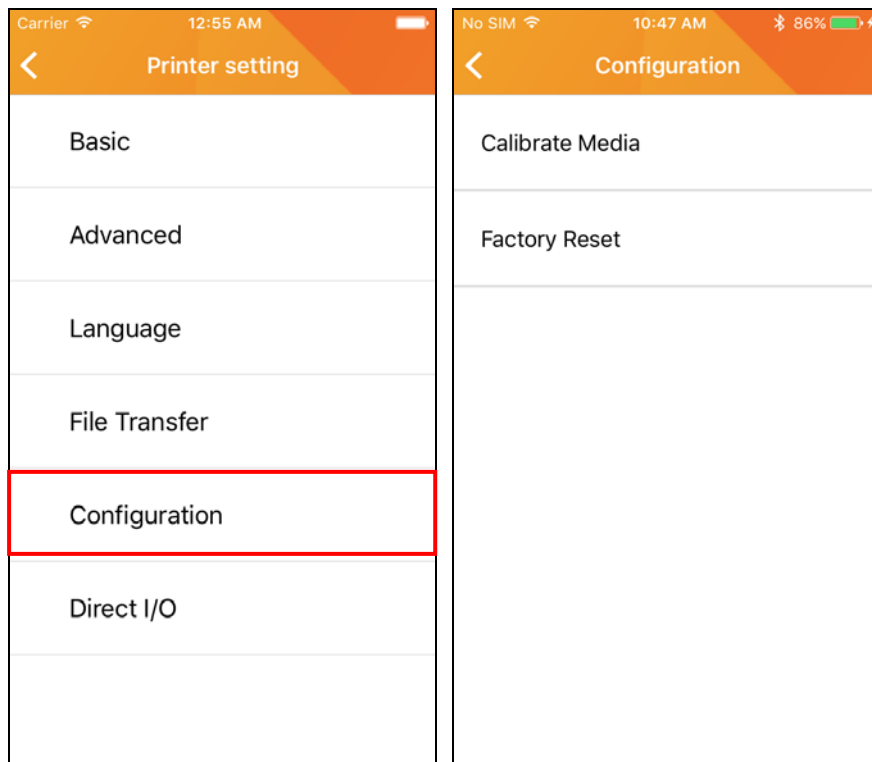
Load a list of files saved in the Document directory.  
When selected, it can be transferred to the printer.

**Note**

Only “.txt” and “.bin” files are supported.

## 5) Configuration

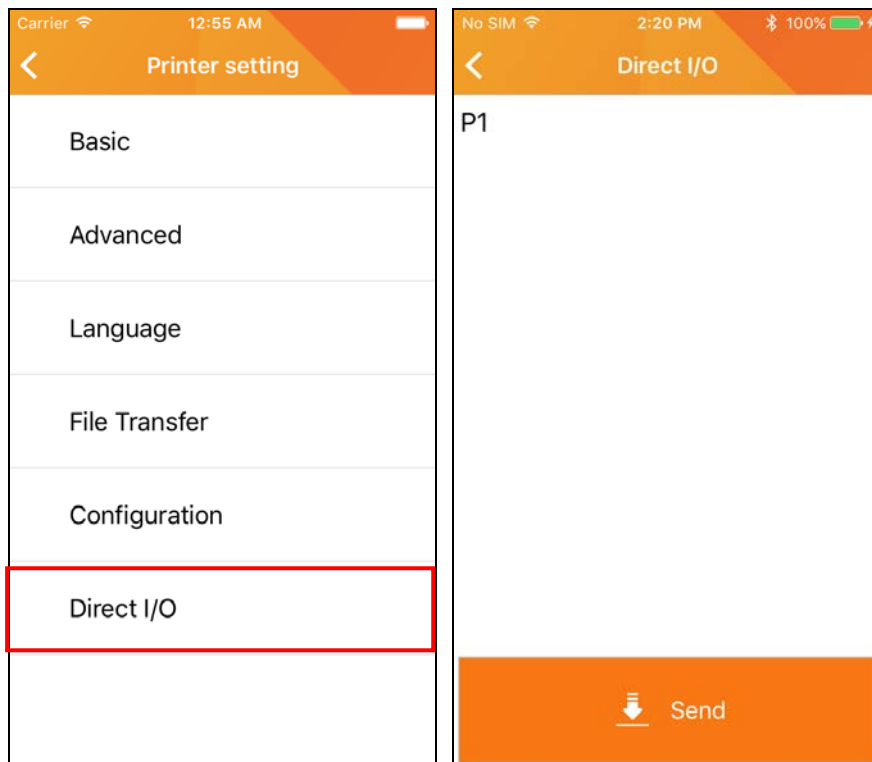
Check the printer information and perform preset functions.



- Calibrate Media: calibrate the sensor according to the label size and type.
- Factory Reset: reset your printer to its default factory settings.

## 6) Direct I/O

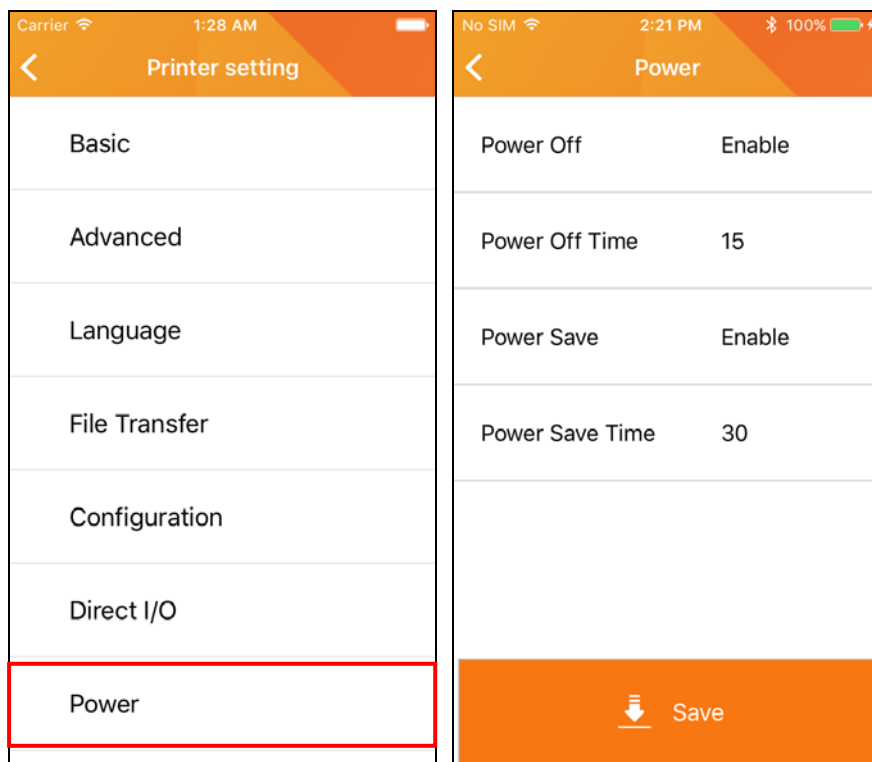
Transfer printer data directly.

**Note**

You can only use commands supported by the printer.

## 7) Power

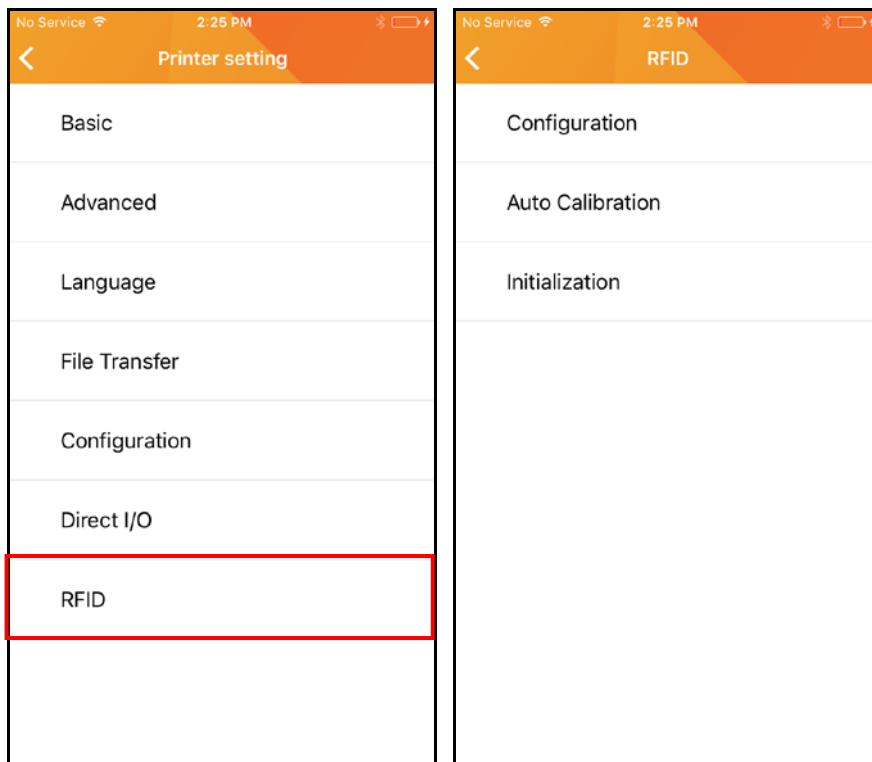
This menu is only activated with mobile printers and it can configure the printer's power settings.



- Power Off: Enable or disable the auto power off mode.
- Power Off Time: Set the time after which the printer should be turned off automatically.
- Power Save: Enable or disable power save mode.
- Power Save Time: Set the time after which the printer should go into power save mode automatically.

**8) RFID**

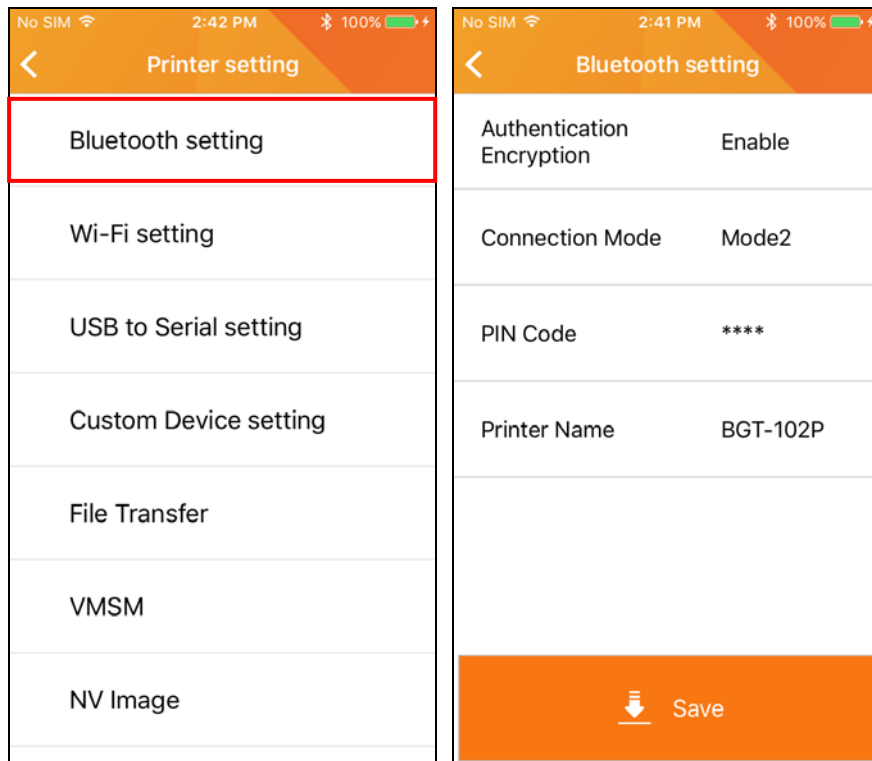
This menu is only activated with RFID printers and it can configure the printer's RFID settings.



- Configuration: Set the RFID transponder type, coding position, number of coding retries, number of labels upon retry, and sending/receiving power.
- Auto Calibration: For calculating and saving the optimal coding position of the RFID label on the printer and printing.
- Initialization: Set the RFID Default value.

**3-2-3 B-gate****1) Bluetooth setting**

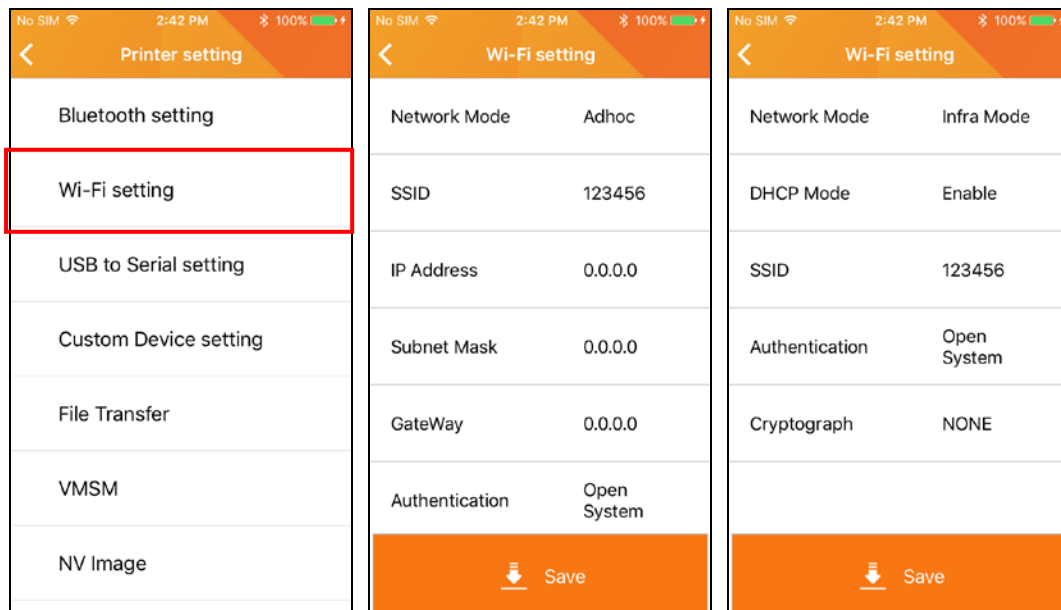
Configure the Bluetooth settings.



- Authentication Encryption: Sets or cancels Authentication & Encryption mode when connecting via Bluetooth.
- Connection mode: Sets Mode when connecting via Bluetooth.
- PIN Code: Changes the PIN Code required for Bluetooth connections.
- Printer Name: Changes the device name produced when establishing a Bluetooth connection.

## 2) Wi-Fi setting

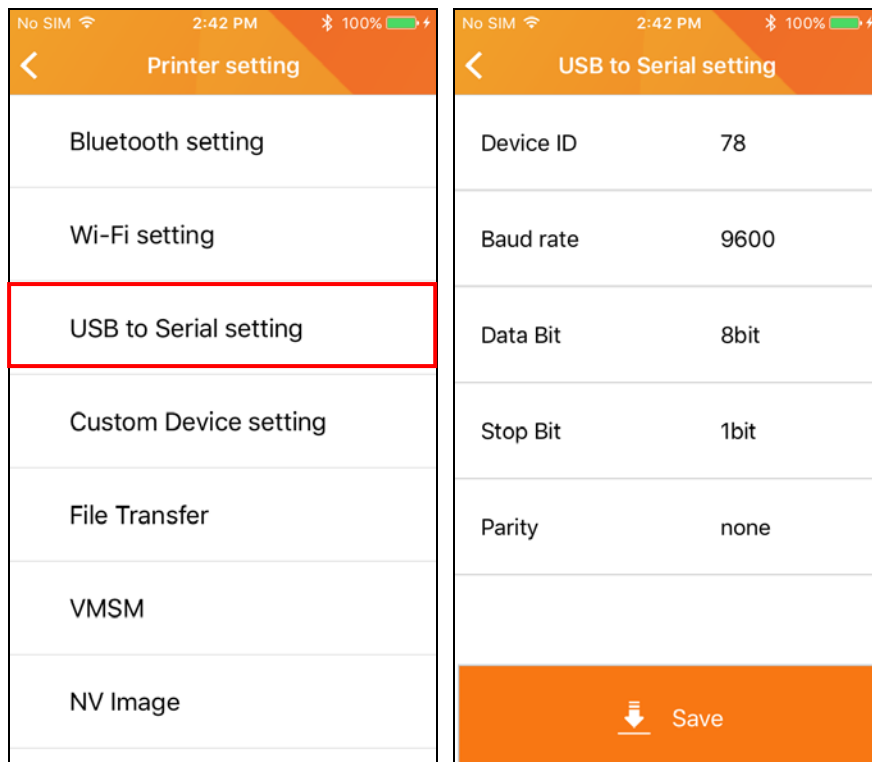
Configure Wi-Fi settings.



- Network Mode: Set Network Mode. (Adhoc or Infrastructure)
- DHCP Mode: Set DHCP Mode.
- SSID: Set SSID to be connected.
- IP Address: Set IP Address.
- Subnet Mask: Set Subnet Mask.
- Gateway: Set Gateway information.
- Authentication: Set Authentication method.
- Cryptograph: Set Cryptograph method.
- WEP Key: Set WEP Key.
- PSK Key: Set PSK Key
- EAP: Set Extensible Authentication Protocol.
- Authentication ID: Set Authentication ID.
- Authentication Password: Set Authentication Password.

### 3) USB to Serial setting

Configure USB to Serial device settings.



- Device ID: ID of "USB to Serial" Device connected to a B-gate.
- Baud rate: Set Baudrate.
- Data Bit: Set Serial Data bit
- Stop Bit: Set Serial Stop bit
- Parity: Set Serial Parity bit

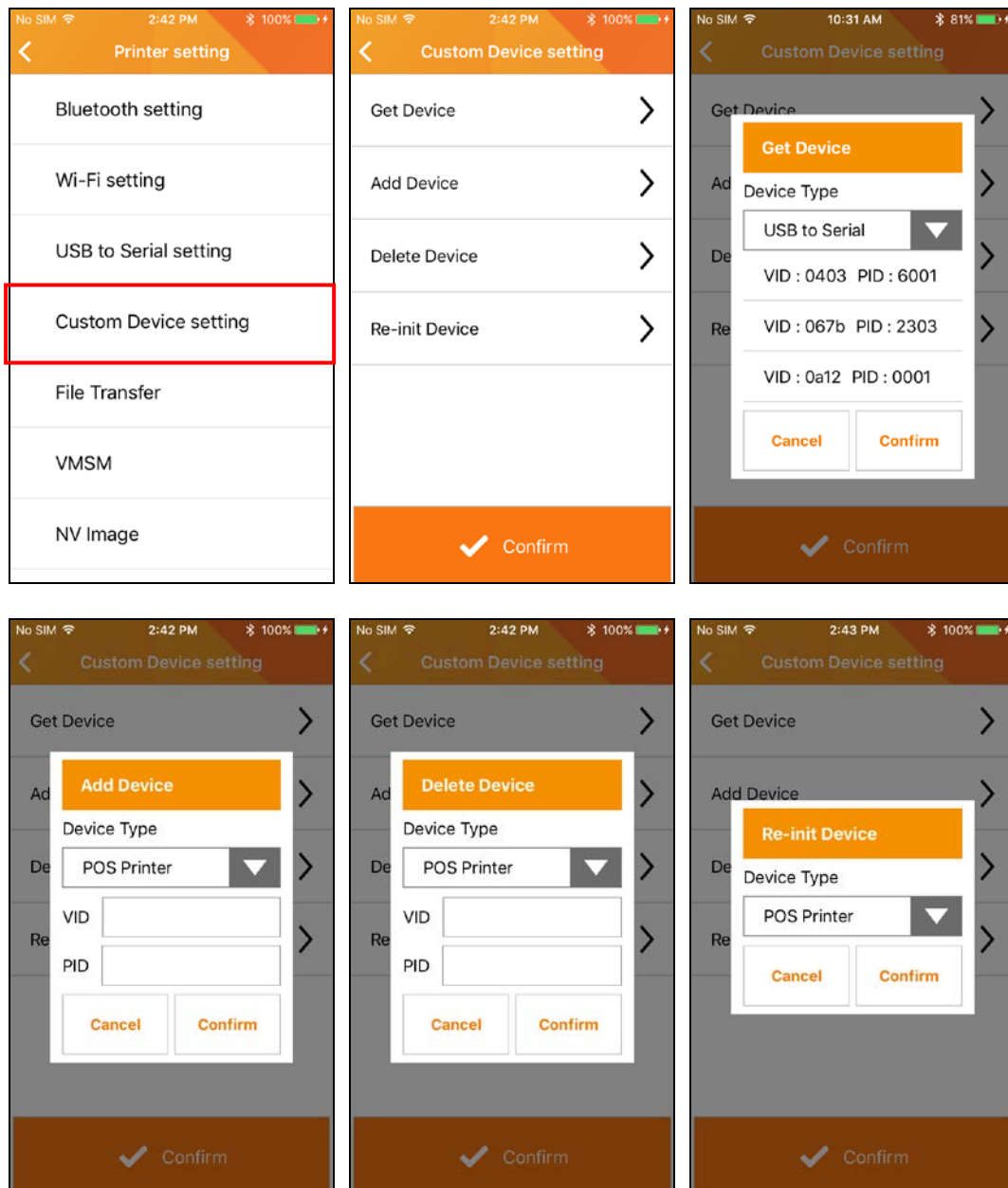
**Note**

The settings can be configured only when USB to Serial devices are connected.



#### 4) Custom Device setting

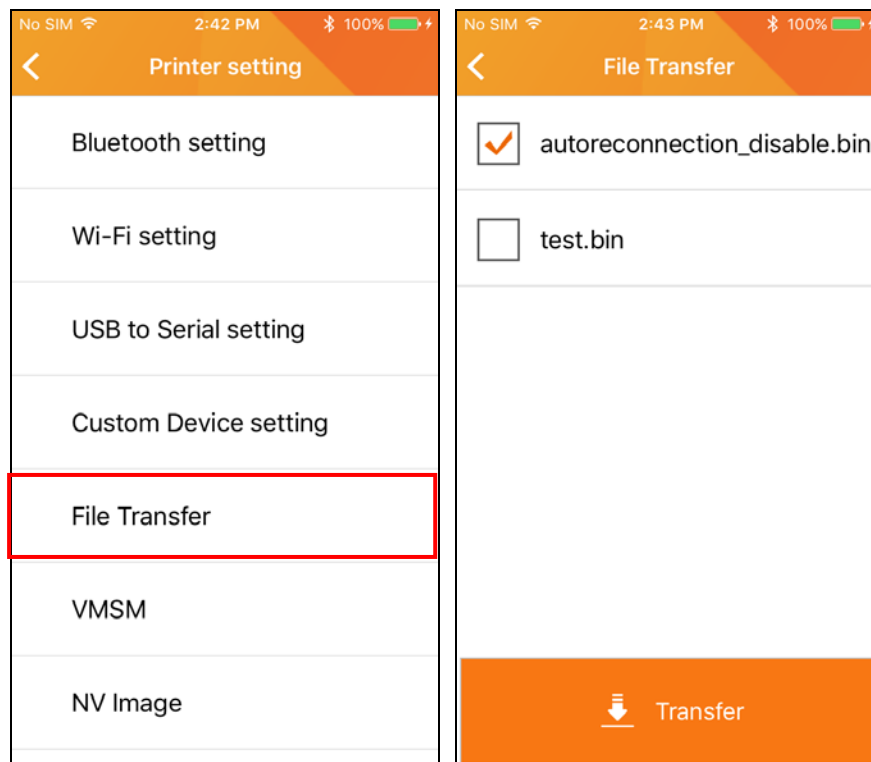
Search, remove, or reset devices added to the B-gate, or add a new device.



- Get Device: Obtain information of registered device in B-gate and show screen.
- Add Device: Add New Device that is not added in B-gate before.
- Delete Device: Delete Device added in B-gate.
- Re-Init Device: Added Device list in B-gate is set as a factory default status.

## 5) File transfer

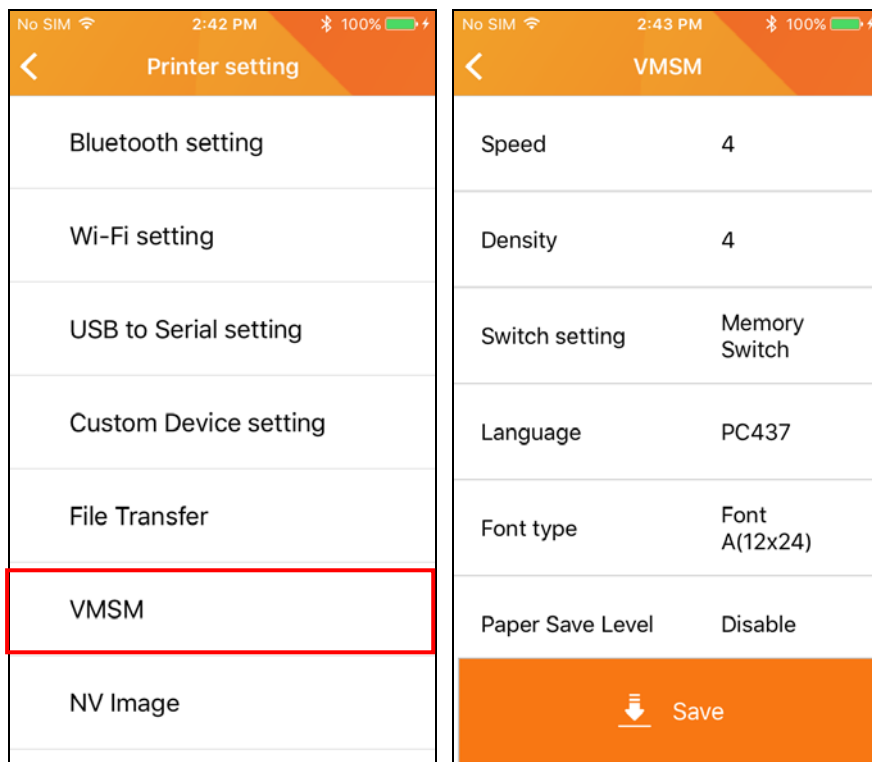
Load a list of files saved in the Document directory.  
When selected, it can be transferred to the printer.

**Note**

Only “.txt” and “.bin” files are supported.

## 6) VMSM

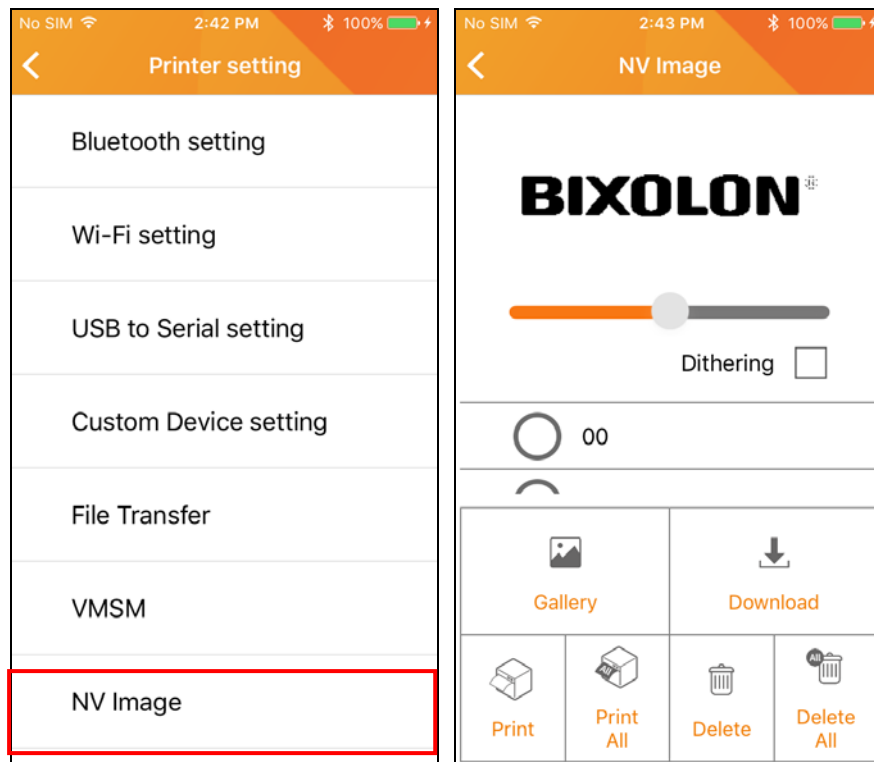
The settings such as print speed, density, language, and font will be displayed on the screen. The configurable settings may be different depending on the model.



- Speed: set the printing speed.
- Density: set the printing density.
- Language: Set a language to use when printing.
- Font type: Set the font type.
- Switch setting: Set using Memory switch or Dip switch.
- Power Save Mode: Set the power saving mode for low power consumption.
- Auto cutter selection: Set the paper cutting method.
- Cutter Depth Adjustment: Set the paper width which is not cut when using a partial cut operation.
- Paper Save Level: Set the paper saving level.
- Paper save mode cutting correction: Enable or disable the cut offset when setting the level for the paper saving option.
- 90 Degree Rotation Mode: Texts prints with 90 degree rotation.
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- Automatic feed in idle mode: Feeds the paper at every specified time interval when the printer is in the sleep mode.
- Black Mark cut position: Cut after feeding the paper to the default cutting position or black-mark position.

## 7) NV Image

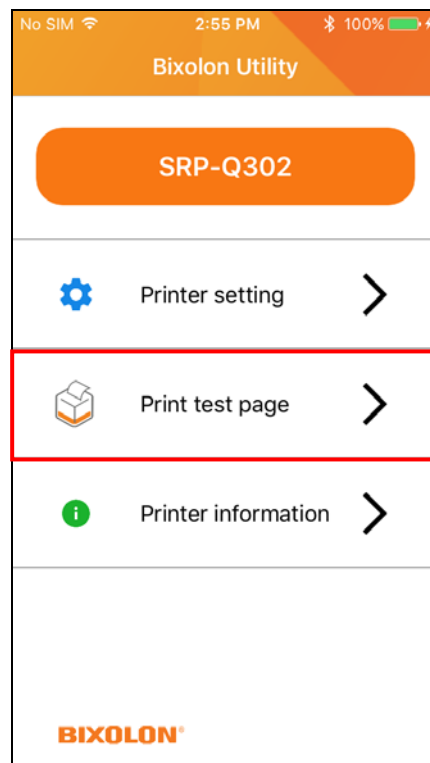
Manage the images stored in the flash memory.



- Gallery: go to the gallery page.
- Download: download images.
- Print: Print an image selected from the list.
- Print All: Print all images saved on the printer.
- Delete: Delete images selected from the list.
- Delete All: delete all images in the printer.

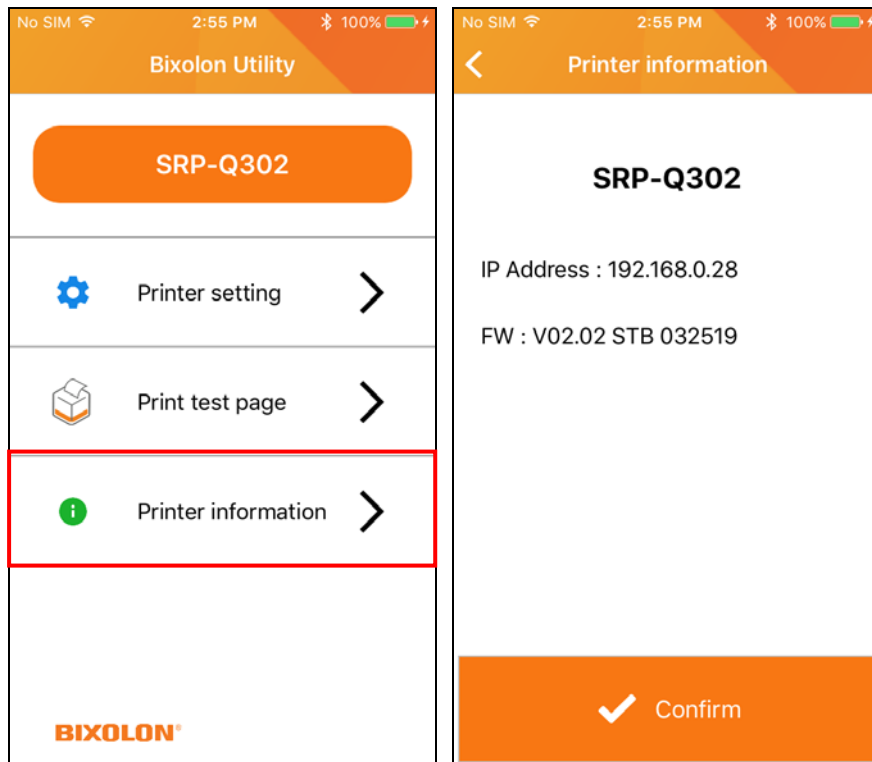
## **3-3 Print Test Page**

- You can print test pages.



## **3-4 Printer Info**

- Check the printer information.



## Copyright

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BIXOLON Co., Ltd. maintains ongoing efforts to enhance and upgrade the functions and quality of all our products.

In the following, product specifications and/or user manual content may be changed without prior notice.

## Caution

Some semiconductor devices are easily damaged by static electricity. You should turn the printer "OFF", before you connect or remove the cables on the rear side, in order to guard the printer against the static electricity. If the printer is damaged by the static electricity, you should turn the printer "OFF".

## Revision history

[illegible]