BIXOLON®

Software Manual

BIXOLON Utility

Android

Ver. 1.01

http://www.bixolon.com

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1. Manual Information

This manual provides information for using BIXOLON Utility applications in Android environment.

2. Usage Environment

2-1 Operating System
• Android OS V4.1 later

2-2 Interface
• Wi-Fi
• Bluetooth
• USB

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

• 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, XT5-43, XT5-46
  - XD5-40d, XD5-43d
  - XD5-40t, XD5-43t
  - XL5-40CT, XL5-40CT
  - XQ-840
  - SPP-L3000, SPP-L310, SPP-L410
  - XM7-40

• 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.
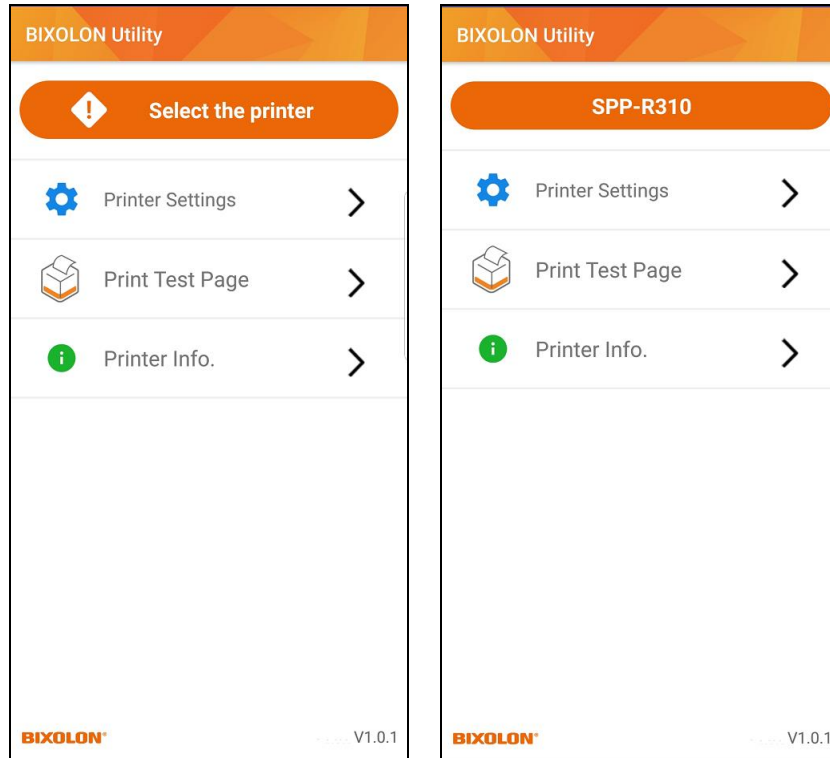
3-1-1 Bluetooth
- A list of printers paired with the HOST device will be shown.
- When selecting a printer from the list, it will try to establish connection.
- Once connected, it will return to the main screen.
- A printer you want to connect can be selected manually by clicking the icon on the upper right.
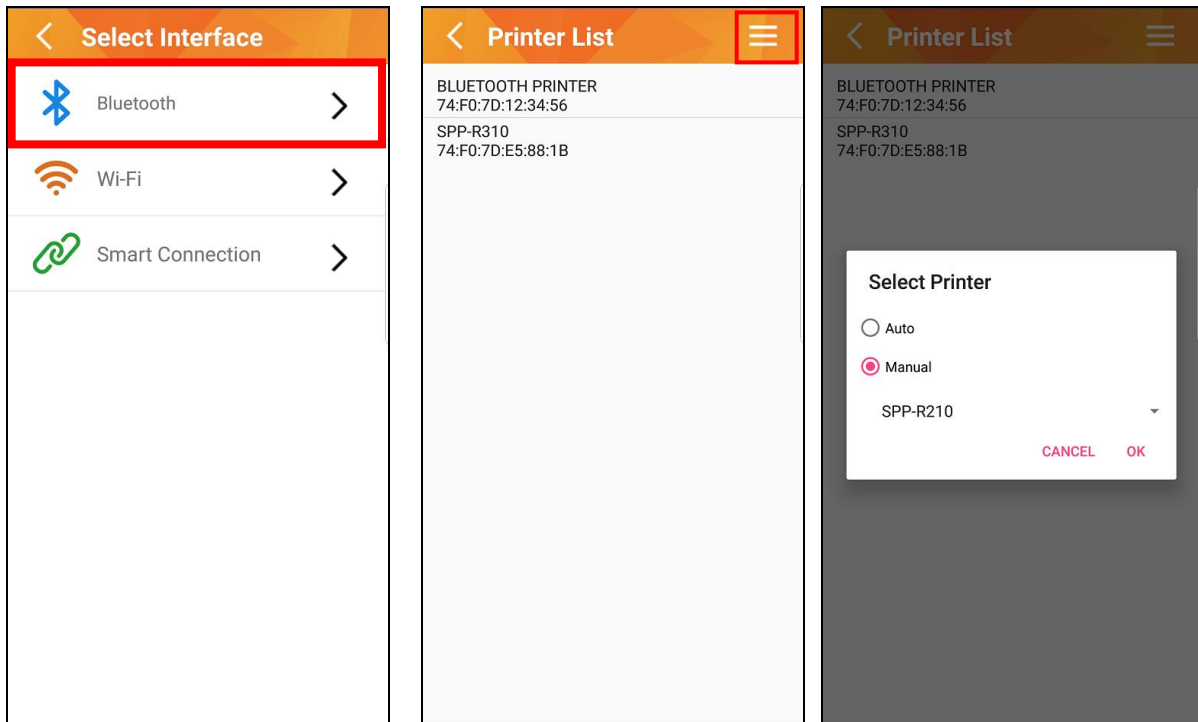
3-1-2 Wi-Fi
- A list of printers connected to the same network will be displayed.
- When selecting a printer from the list to connect, it will try to establish connection.
- Once connected, it will return to the main screen.
- A printer you want to connect can be selected manually by clicking the icon on the upper right.
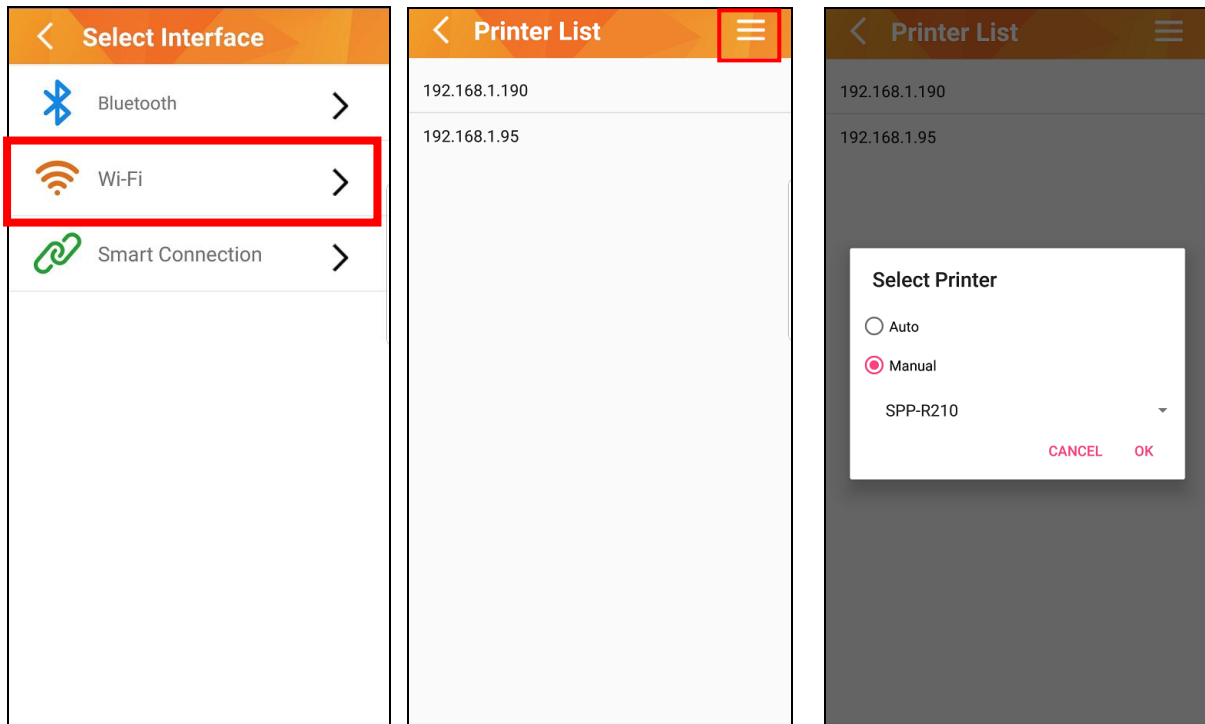
3-1-3 Smart Connection
• Smart Connection is a software function that allows the user to easily set a printer's
  network by automatically configuring it to the network status in which it can be connected
  to the host device.
• This function is available only for the printer models that support Smart 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.
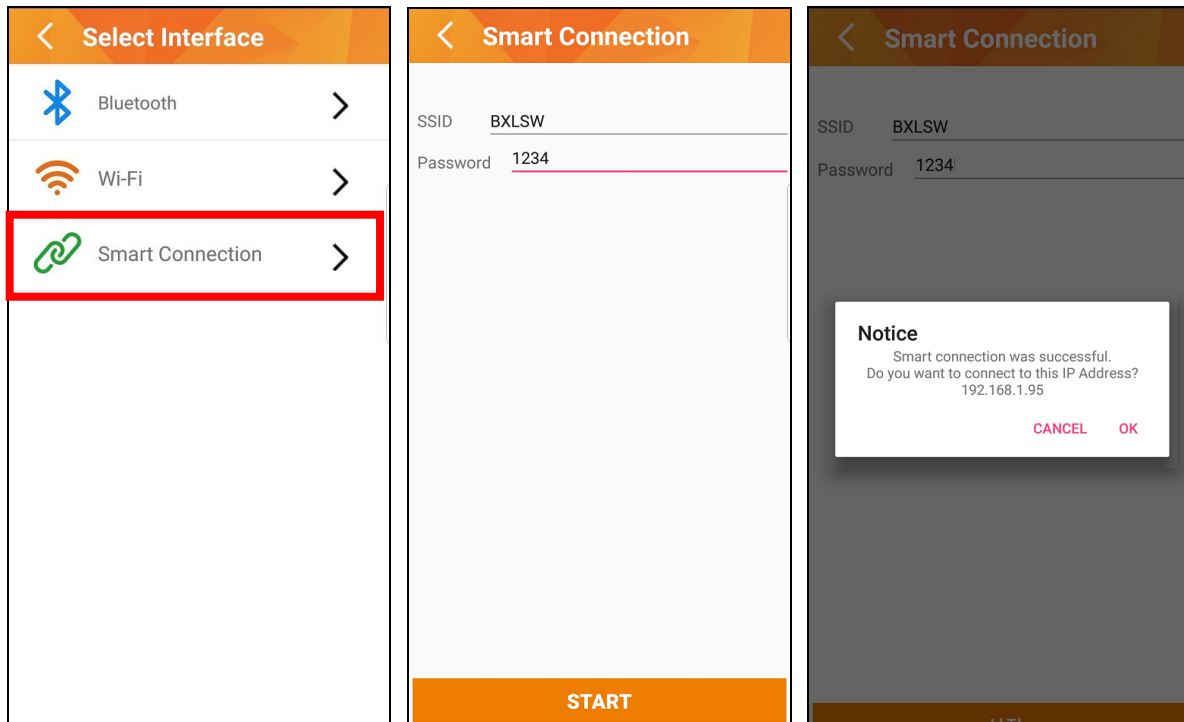
3-1-4 USB
• When the USB cable is plugged in, the Android host will automatically detect the printer
and establish a connection.
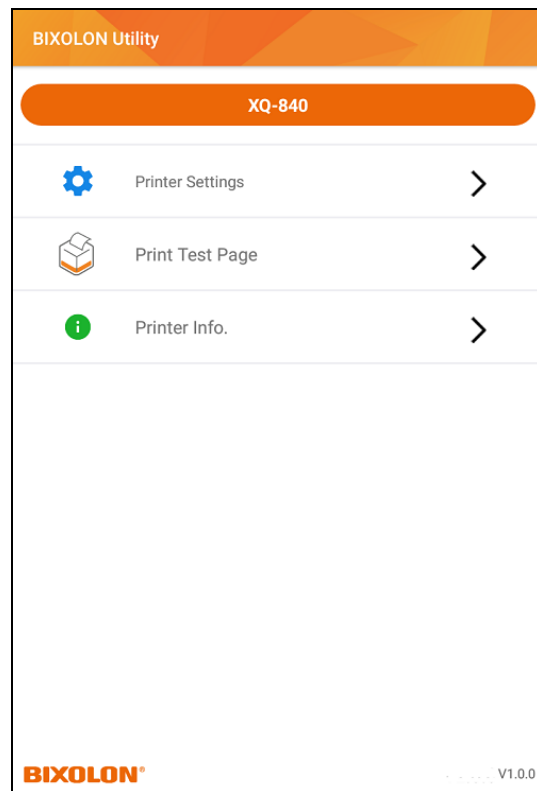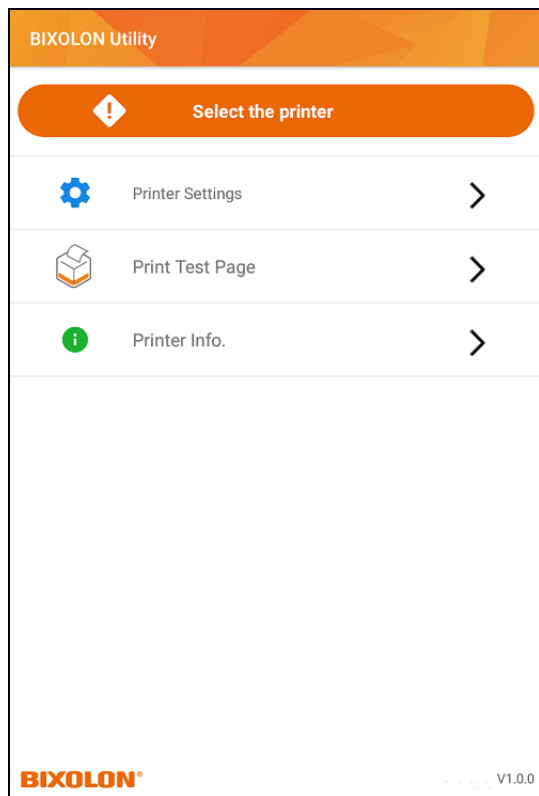
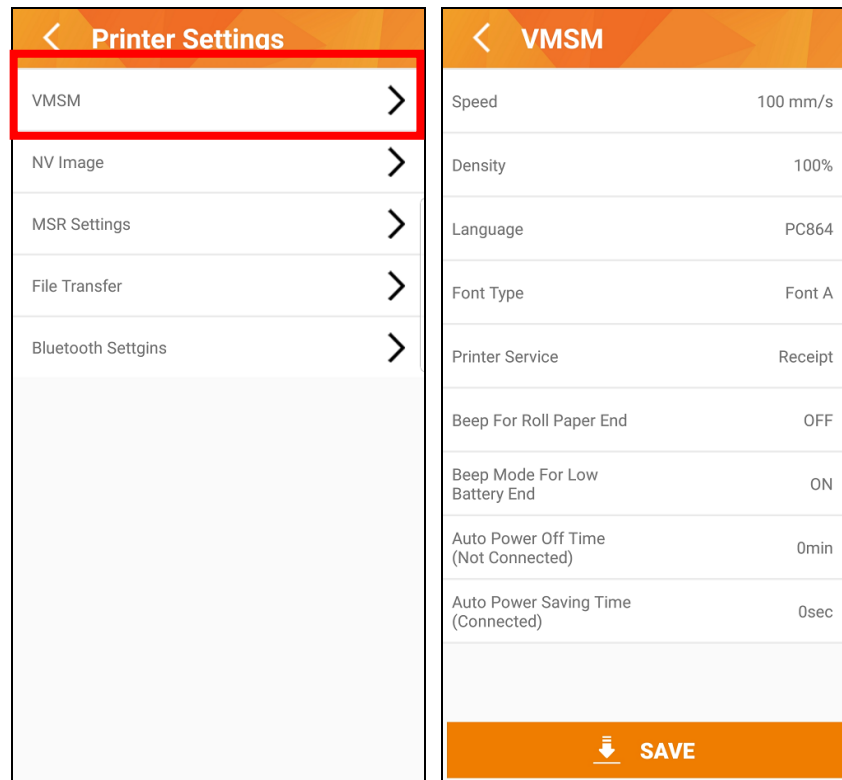## 3-2 Printer Settings
• Change the printer's default settings.

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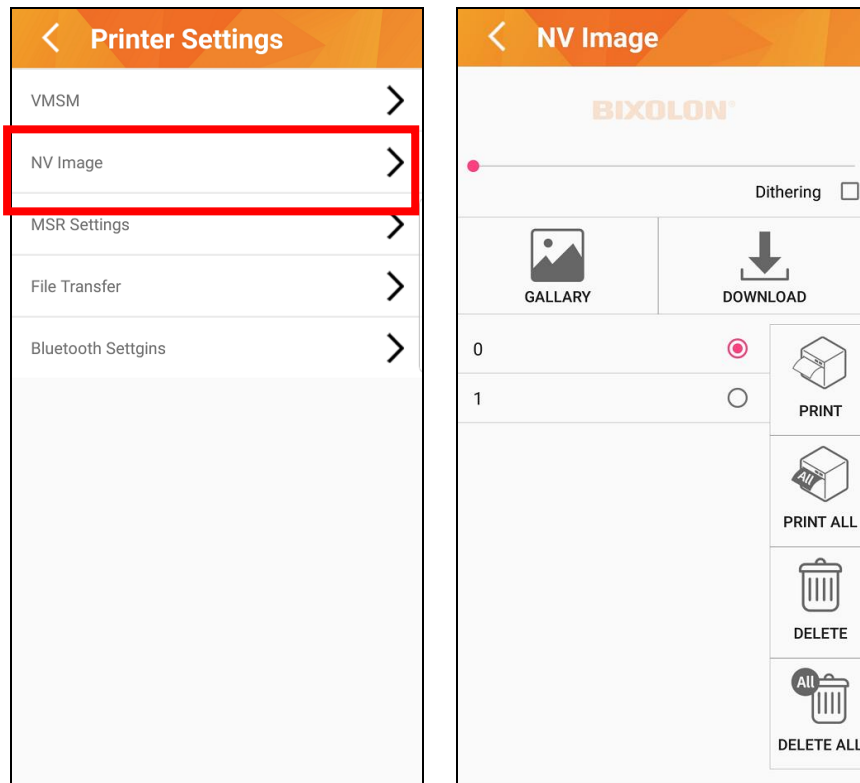
- Gallery: go to the gallery page.
- Download: download images.
- Print: Print an image selected from the list.
- Print All: Print all images saved on the printer.
- Delete: Delete images selected from the list.
- Delete All: delete all images in the printer.

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

- MSR Trigger: MSR Sets MSR data scanning mode.
- Sentinel 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.

< Printer Settings	
VMSM	>
NV Image	>
MSR Settings	>
File Transfer	**>**
Bluetooth Settgins	>

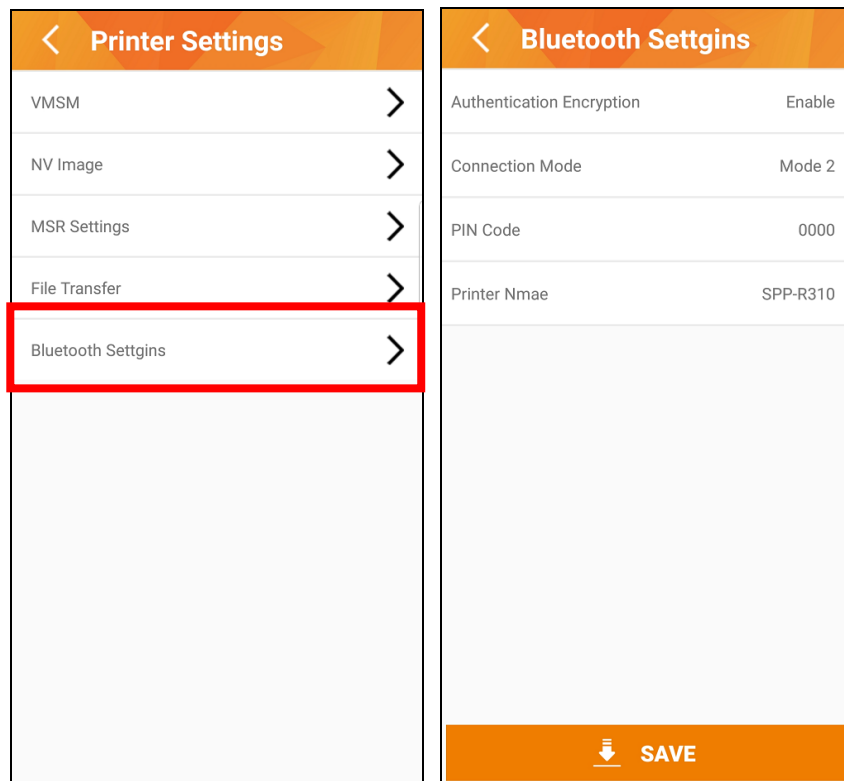| < File Transfer |
|---|
| .. |
| .cloudagent/ |
| .face/ |
| .sems/ |
| 00_TEST/ |
| ADPrinterSample.apk |
| Alarms/ |
| Android/ |
| BIXOLON/ |
| BixolonPrinterSDK.log |
| BixolonmPrint_V1.0.7P01.apk |
| CollectionReceipt.pdf |
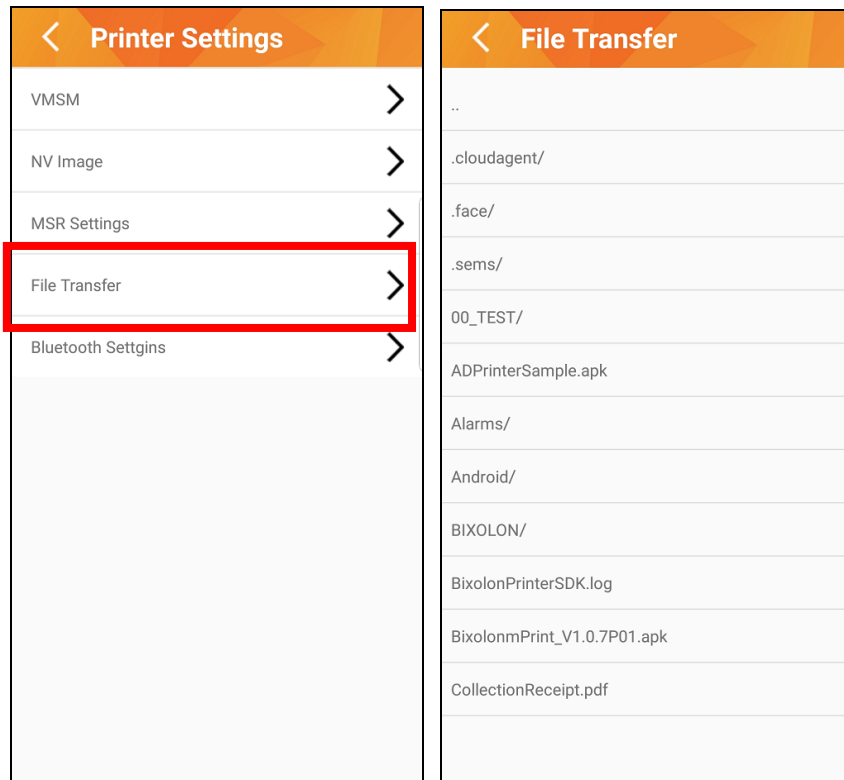
📖 **Note**	Only ".txt" and ".bin" files are supported.

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.

‹ **Printer Settings**	
Basic	›
Advanced	›
Language	›
File Transfer	›
Configuration	›
Direct I/O	›

| ‹ **Basic**	
Width	832.00
Height	1236.00
Orientation	Top to Bottom
Speed	5
Density	20
Print Mode	Direct thermal
Media Type	Gap
Tear Off	0
Offset	0
Media Unit	dots
⬇ 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.

2) Advance
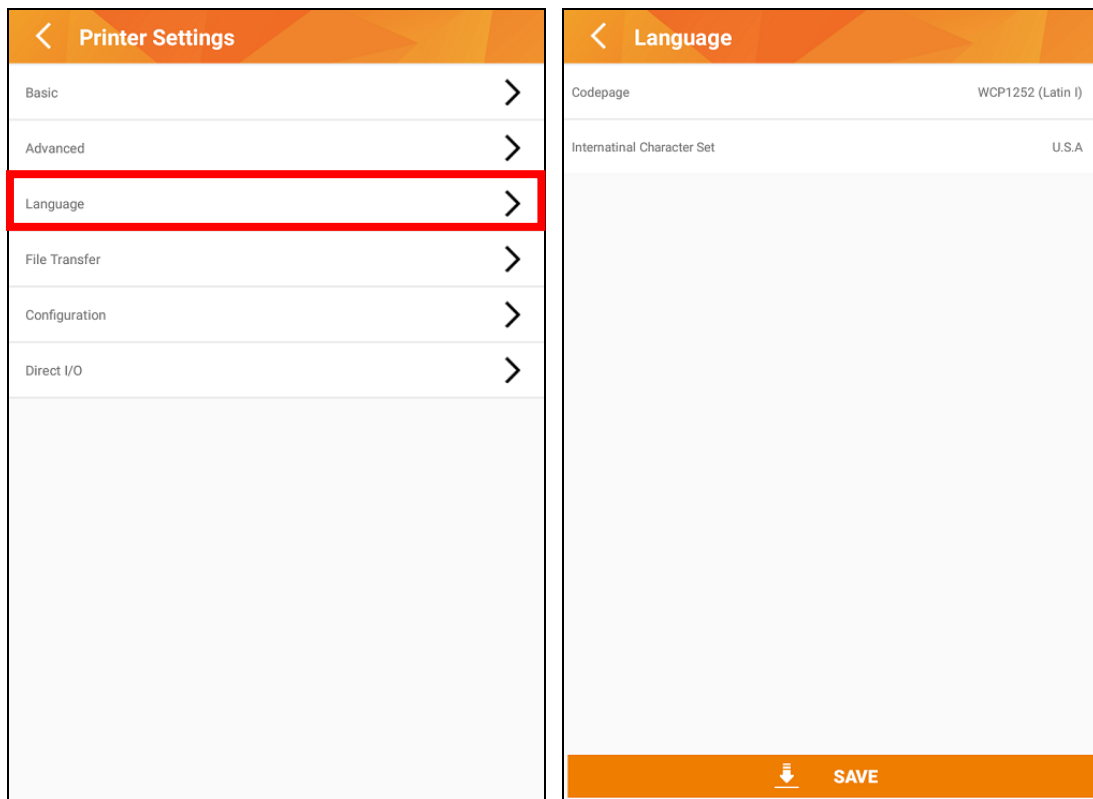   Settings such as media handling will be displayed on the screen.
   Make any necessary changes and save.
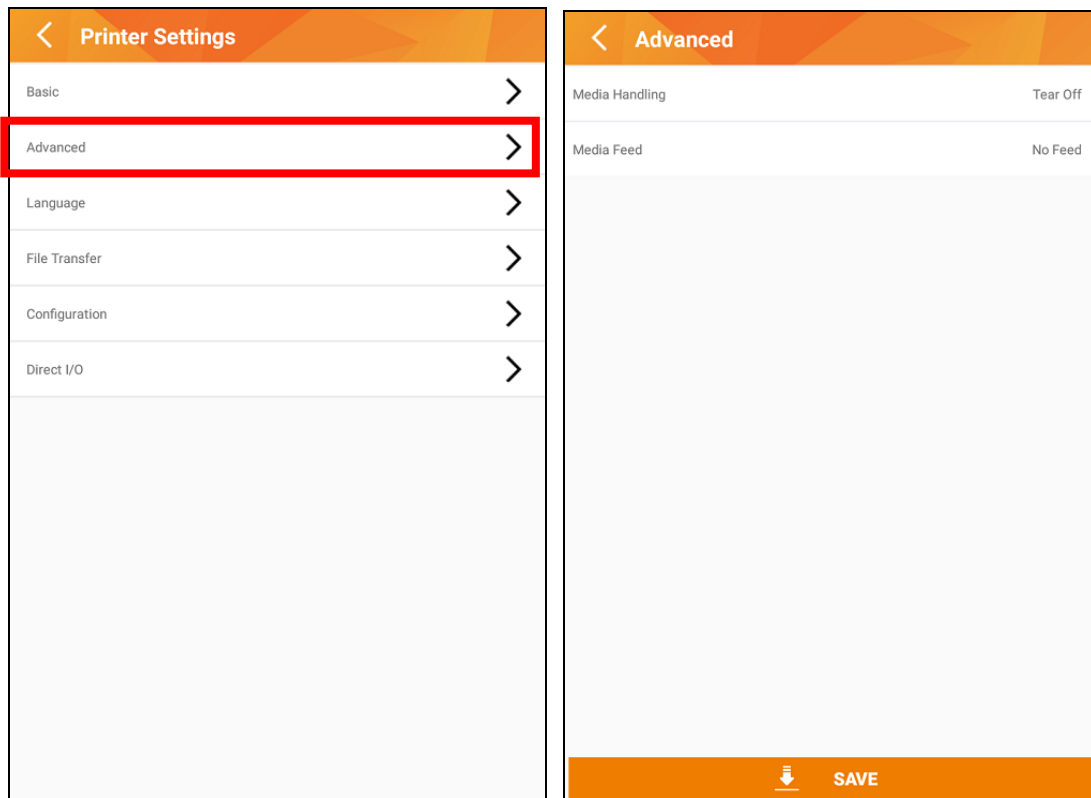
- Media Handling: configure the media handling settings, e.g., tear off, peel off, cutter.
- Media Feed: enable/disable media feed.

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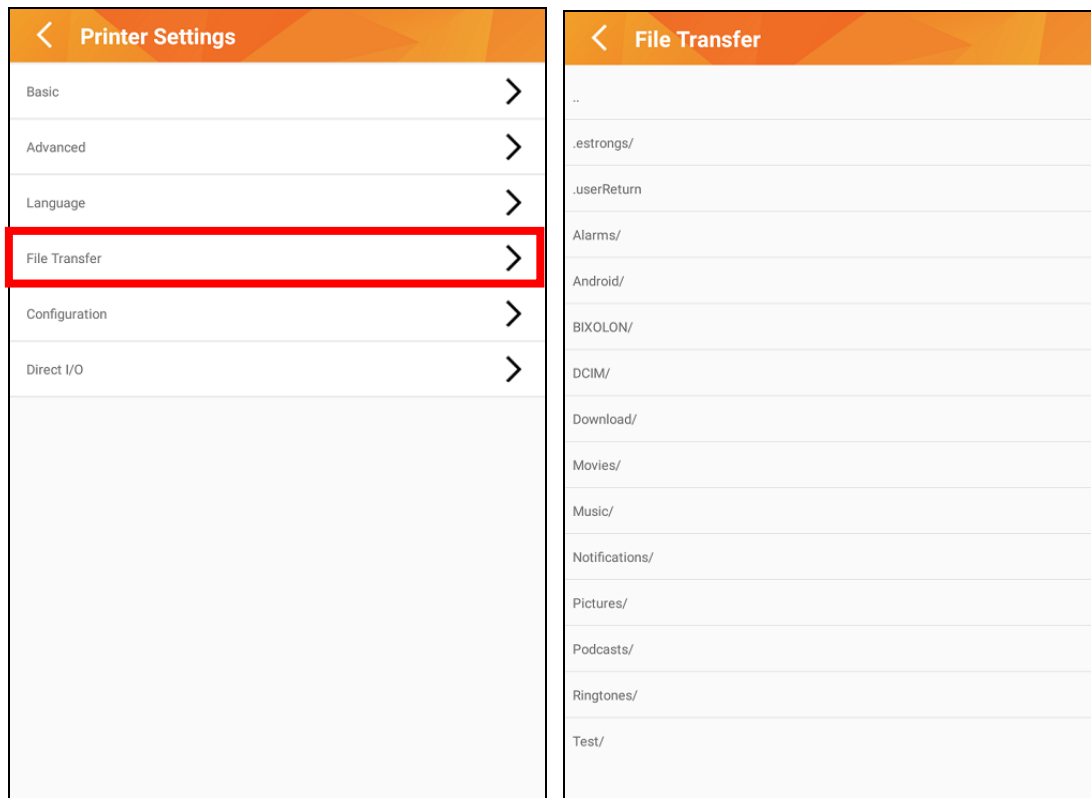

- Code page: change the code page.
- International Character Set: set the language.

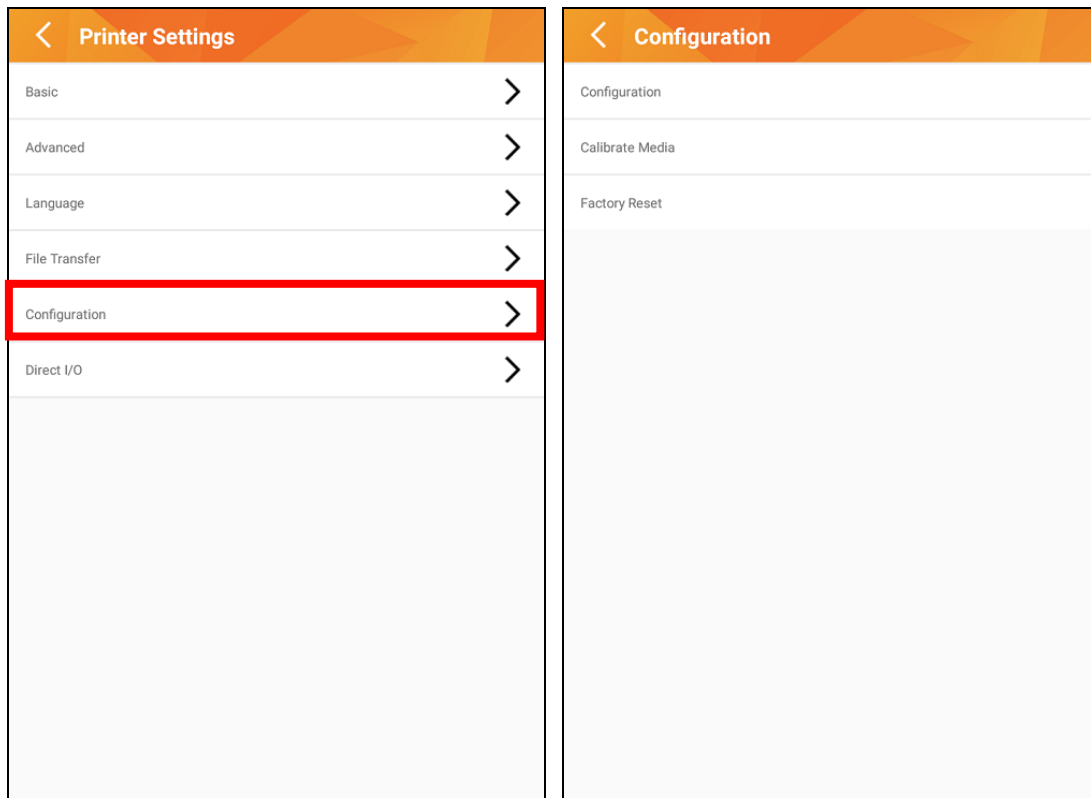4) File Transfer
Load a list of files stored in the SD card.
Select a file to transfer to the printer.

| 📖 **Note** | Only ".txt" and ".bin" files are supported. |

5) Configuration
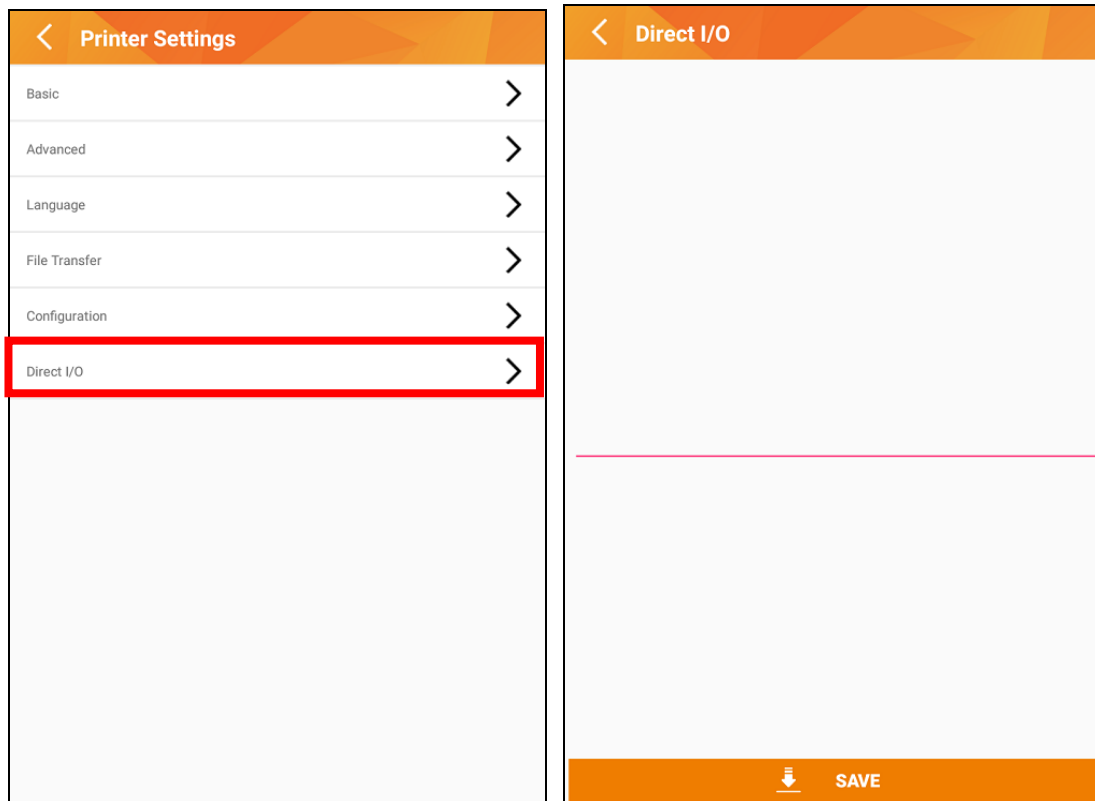   Check the printer information and perform preset functions.

- Configuration: print the printer settings.
- Calibrate Media: calibrate the sensor according to the label size and type.
- Factory Reset: reset your printer to its default factory settings.
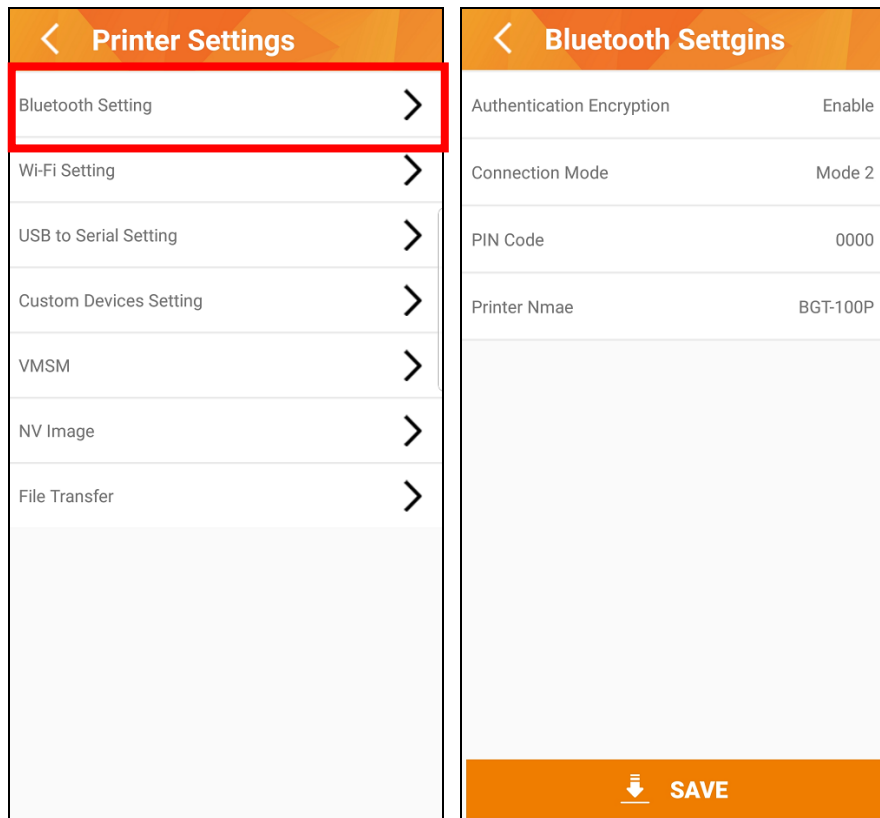
6) Direct I/O
 Transfer printer data directly.

📖 **Note**	You can only use commands supported by the printer.

3-2-3 B-gate
1) Bluetooth setting
 Configure the Bluetooth settings.

	Printer Settings			Bluetooth Settgins	
	Bluetooth Setting	>	Authentication Encryption		Enable
	Wi-Fi Setting	>	Connection Mode		Mode 2
	USB to Serial Setting	>	PIN Code		0000
	Custom Devices Setting	>	Printer Nmae		BGT-100P
	VMSM	>			
	NV Image	>			
	File Transfer	>			
				⬇ SAVE	

- 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.

Printer Settings		Wi-Fi Setting	
Bluetooth Setting	›	Network Mode	Infra
Wi-Fi Setting	›	DHCP Mode	Disable
USB to Serial Setting	›	SSID	BIXOLON_adhoc
Custom Devices Setting	›	IP Address	192.168.1.2
VMSM	›	Subnet Mask	255.255.255.0
NV Image	›	GateWay	192.168.1.2
File Transfer	›	Authentication	Open System
		Cryptogragh	NONE
		SAVE	

- 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
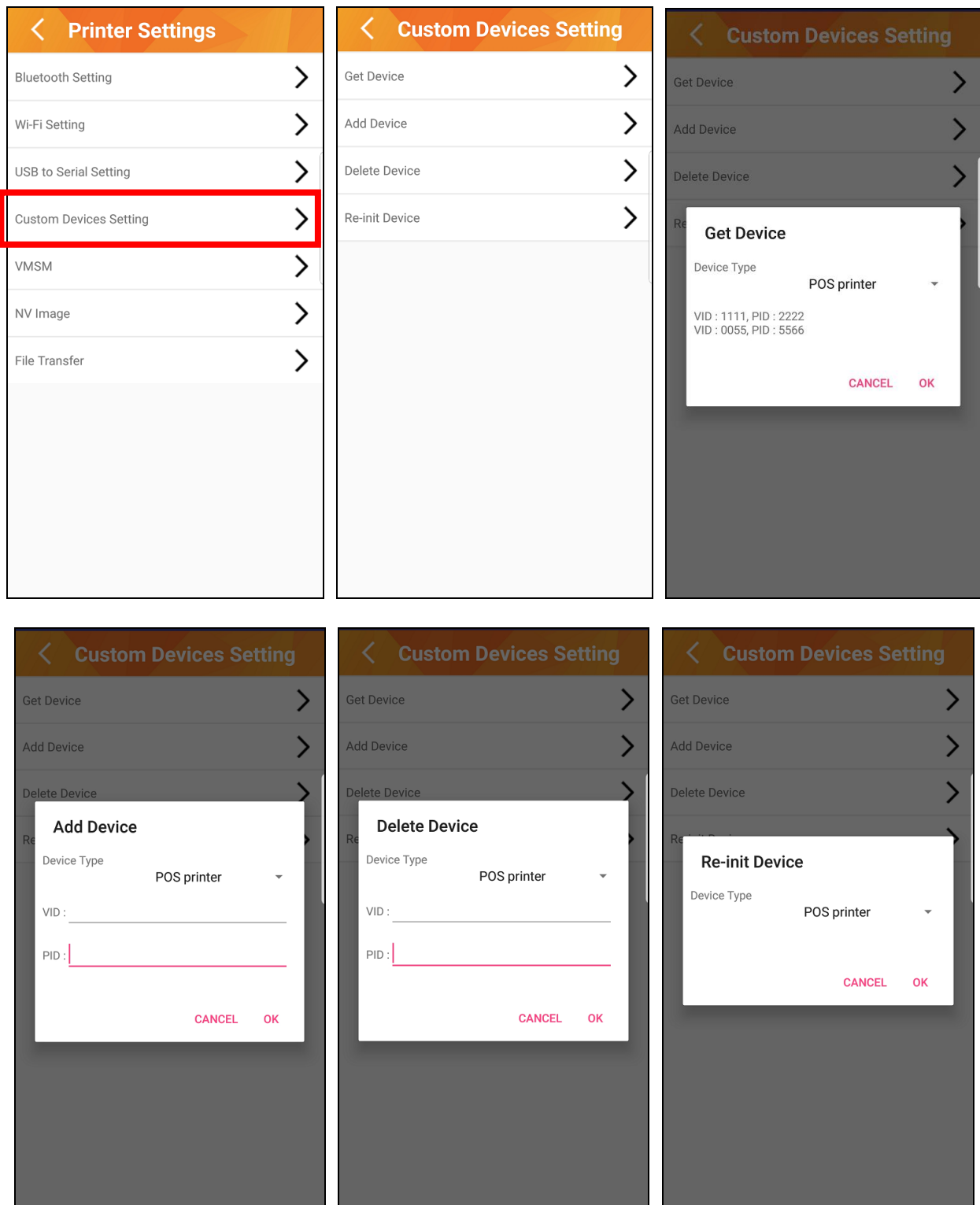- Parity: Set Serial Parity bit

📖 **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.
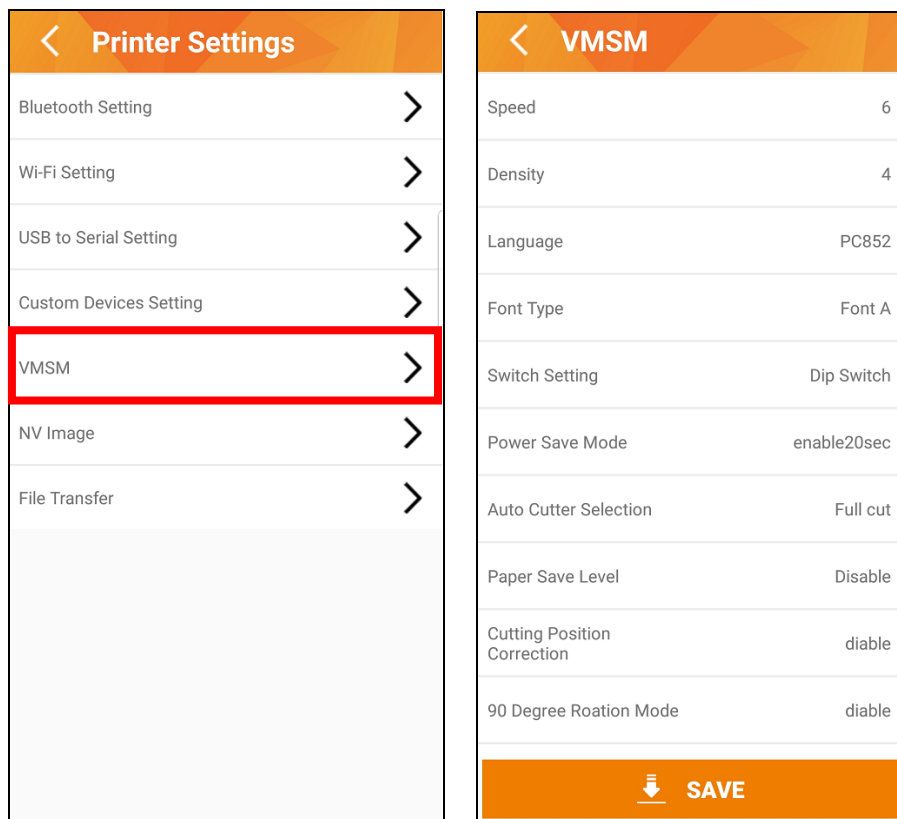

- Get Device: Obtain information of registered device in B-gate and show screen.
- Add Device: Add New Device that is not added in B-gate before.
- Delete Device: Delete Device added in B-gate.
- Re-Init Device: Added Device list in B-gate is set as a factory default status.

5) 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.

< Printer Settings		< VMSM	
Bluetooth Setting	>	Speed	6
Wi-Fi Setting	>	Density	4
USB to Serial Setting	>	Language	PC852
Custom Devices Setting	>	Font Type	Font A
VMSM	>	Switch Setting	Dip Switch
NV Image	>	Power Save Mode	enable20sec
File Transfer	>	Auto Cutter Selection	Full cut
		Paper Save Level	Disable
		Cutting Position Correction	diable
		90 Degree Roation Mode	diable
		⬇ SAVE	

- 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.

6) NV Image
 Manage the images stored in the flash memory.
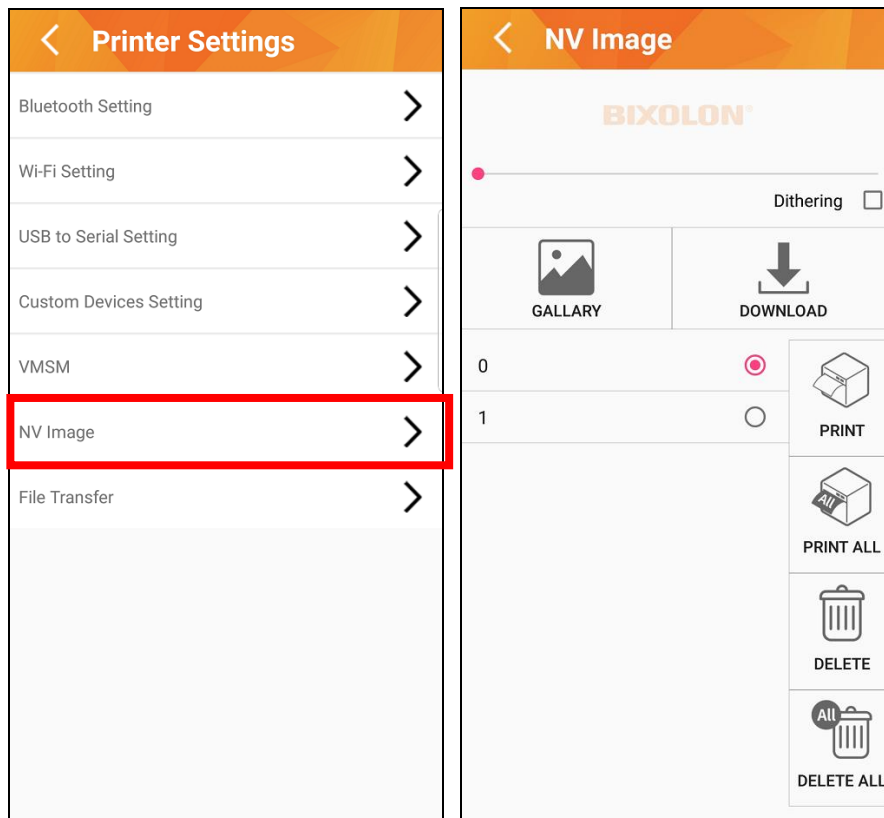
- Gallery: go to the gallery page.
- Download: download images.
- Print: Print an image selected from the list.
- Print All: Print all images saved on the printer.
- Delete: Delete images selected from the list.
- Delete All: delete all images in the printer.

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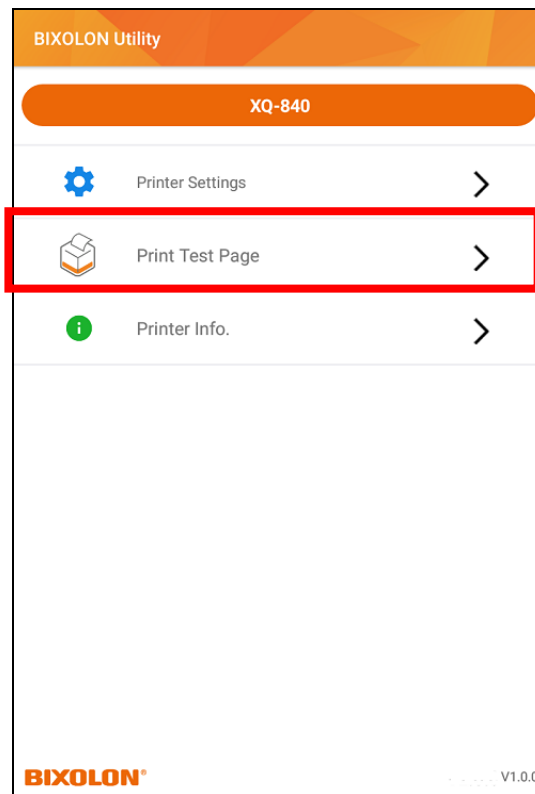 Load a list of files saved in the Document directory.
  When selected, it can be transferred to the printer.
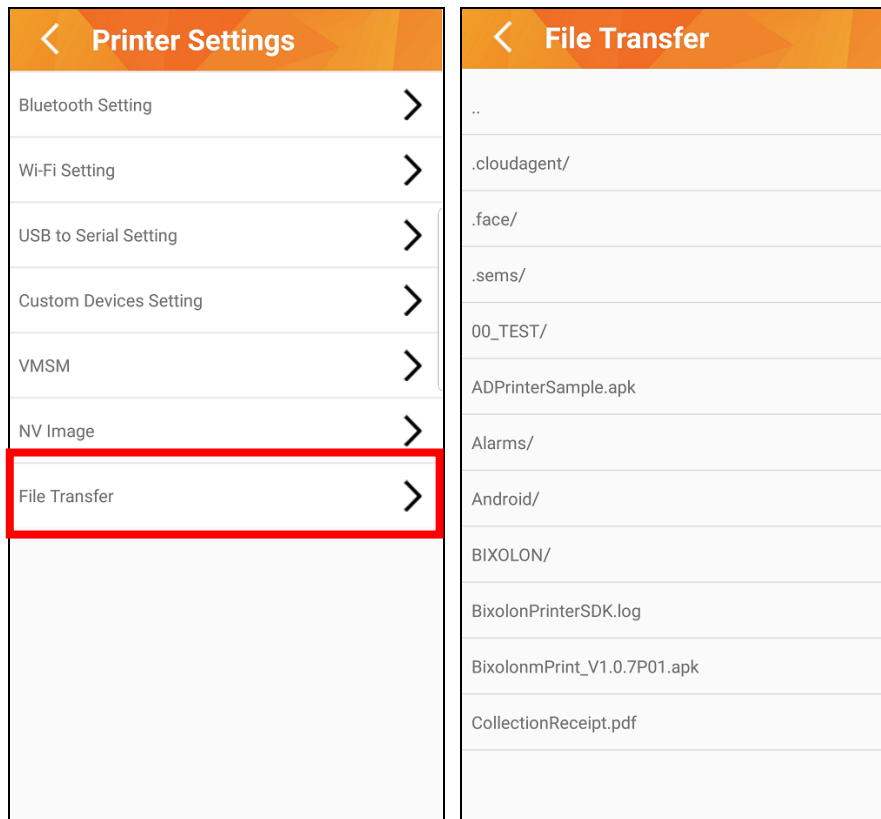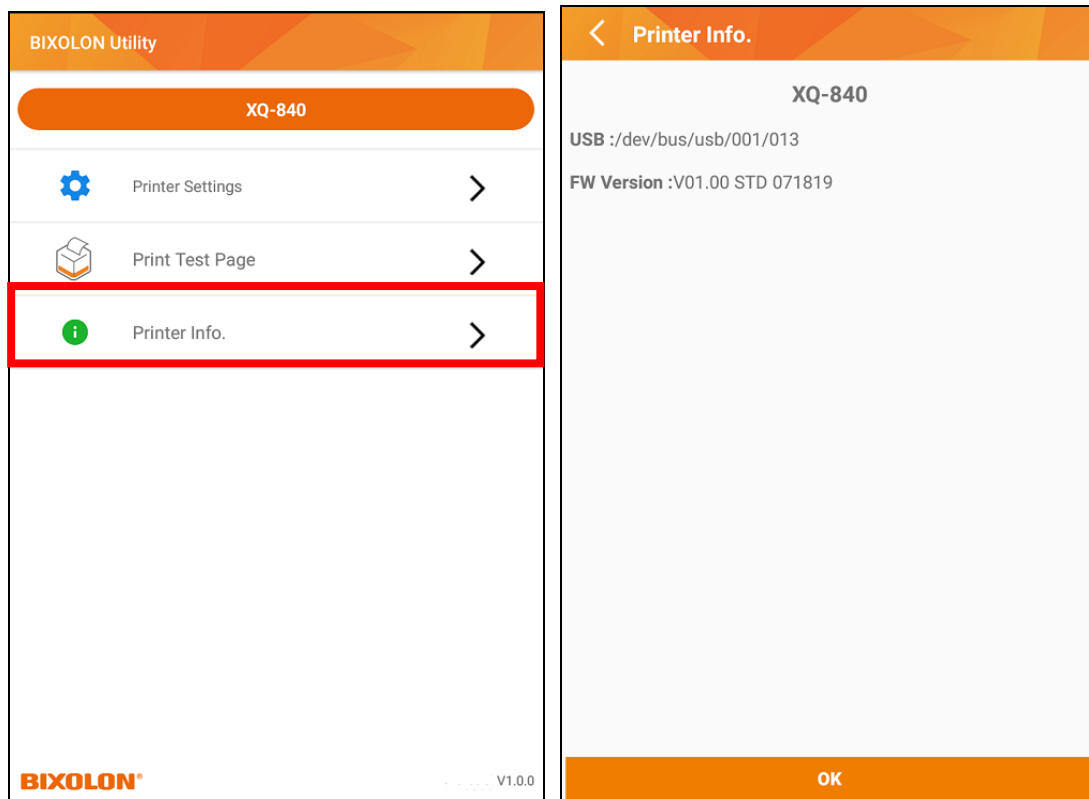

📖 **Note**	Only ".txt" and ".bin" files are supported.

3-3 Print Test Page

• You can print test pages.

3-4 Printer Info
• Check the printer information.

Copyright

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

Ver.	Date	Page	Description
1.00	02.09.19	-	New
1.01	27.12.19		Add supported printer Model and functions