BIXOLON

Software Manual

BIXOLON Utility

iOS

Ver. 1.25

www.bixolon.com

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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”.

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 15.0 or Later

2-2 Interface

• Wi-Fi
• Bluetooth
• Ethernet
• USB

2-3 Supported Printer

• POS/Mobile receipt printers

- SPP-R200II, SPP-R200III, SPP-R210, SPP-R220, SPP-R230
- SPP-C200, SPP-C300
- SPP-R300, SPP-R310
- SPP-R400, SPP-R410, SPP-R418
- SRP-275III
- SRP-330II, SRP-332II
- SRP-330III, SRP-332III
- SRP-350III, SRP-352III, SRP-350plusIII, SRP-352plusIII
- SRP-350V, SRP-352V, SRP-350plusV, SRP-352plusV
- SRP-F310II, SRP-F312II, SRP-F313II
- SRP-380, SRP-382, SRP-383
- SRP-380plus, SRP-382plus
- SRP-B300, SRP-B300IIE
- SRP-E300, SRP-E302
- SRP-Q200
- SRP-Q300, SRP-Q300II, SRP-Q302
- SRP-QE300, SRP-QE302
- SRP-S200
- SRP-S300, SRP-S300II
- SRP-S320
- SRP-S3000
- G30

• Label/Mobile Label printers

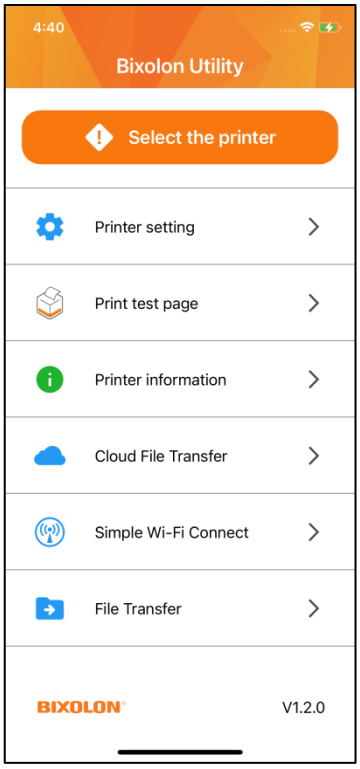
- SLP-DX220, SLP-DX223
- SLP-DX420, SLP-DX423
- SLP-TX400, SLP-TX403
- SLP-TX420, SLP-TX423
- SLP-TX220, SLP-TX223
- SLP-DL410, SLP-DL413
- SRP-770III, SRP-E770III
- SRP-S3000_LABEL
- SPP-L3000, SPP-L310, SPP-L410
- XD3-40d
- XD3-40t
- XD5-40d, XD5-43d
- XD5-40IId, XD5-43IId
- XD5-40t(RFID), XD5-43t(RFID)
- XD5-40IIt(RFID), XD5-43IIt(RFID)
- XL5-40CT, XL5-40CT
- XT3-40, XT3-43
- XT5-40(RFID), XT5-43(RFID), XT5-46(RFID)
- XT6-60N, XT6-63N
- XT6-40(RFID), XT6-43(RFID), XT6-46(RFID)
- XM7-20
- XM7-30
- XM7-40(RFID)
- XM5-30(RFID)
- BT3-40, BT3-43
- BT5-40(RFID), BT5-43(RFID), BT5-46(RFID)
- BD5-40d, BD5-43d
- BD5-40t(RFID), BD5-43t(RFID)
- XC3-40d
- XC5-40d, XC5-43d

• B-gate
- BGT-100P, BGT-102P, SRP-F310IIHi, SRP-F312IIHi, SRP-Q300H, SRP-Q302H, SRP-S300Hi, SRP-S320Hi

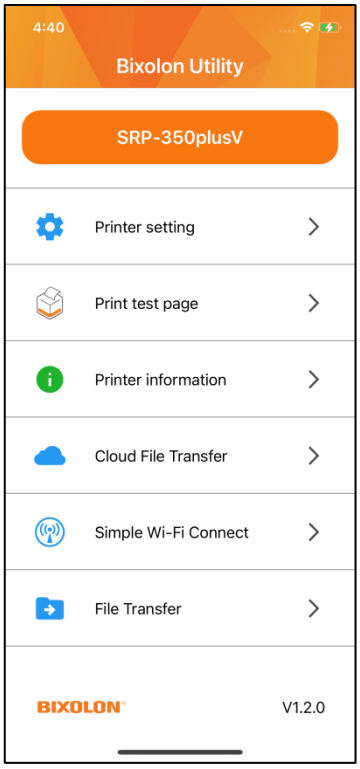
3. Detailed Functions

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.



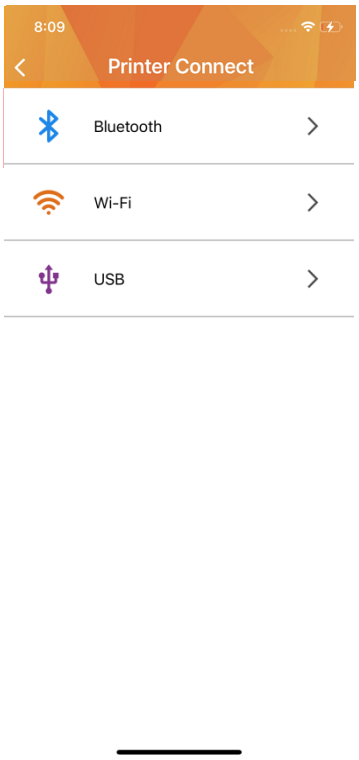
<Before>



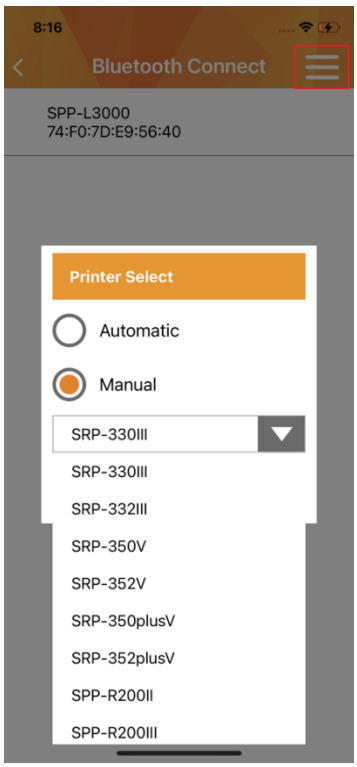
<After>

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.

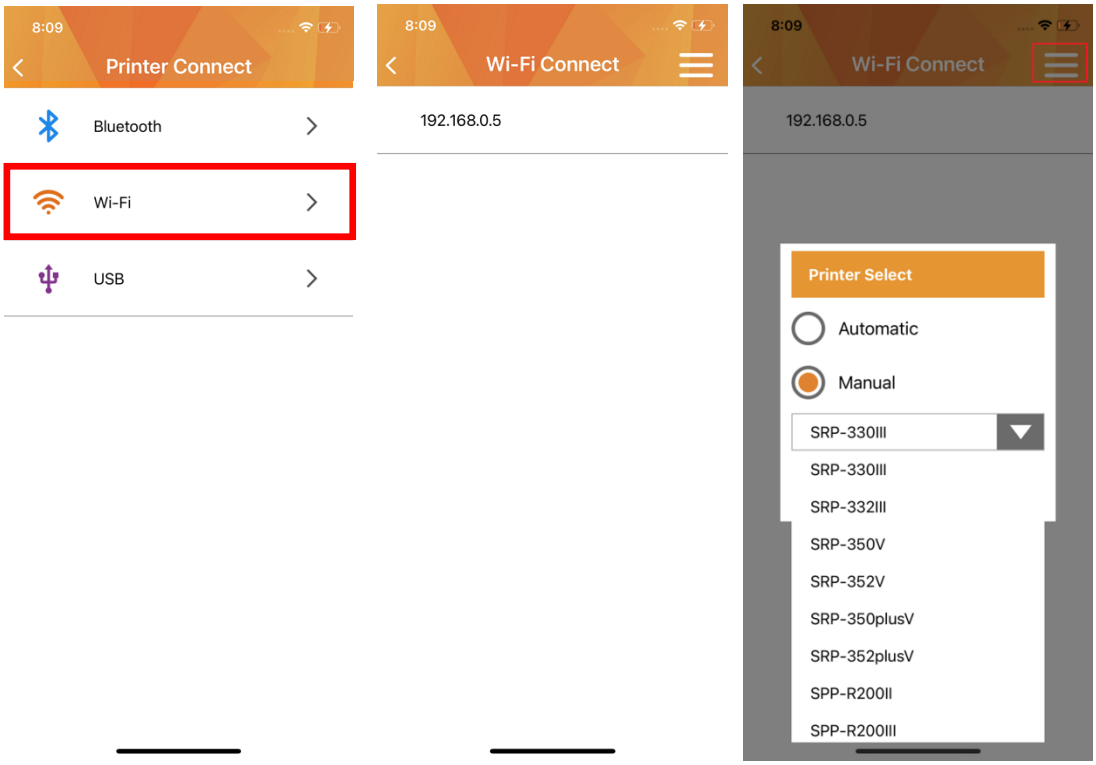






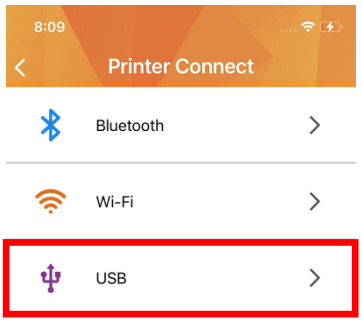
3-1-2 Wi-Fi

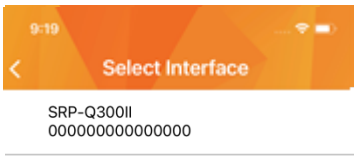
- A list of printers connected to the same network will be displayed.
- When selecting a printer from the list to connect, it will try to establish connection.
- Once connected, it will return to the main screen.
- A printer you want to connect can be selected manually by clicking the icon on the upper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

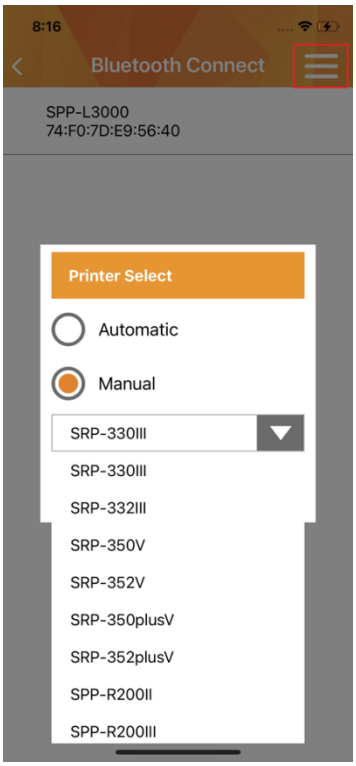


3-1-3 USB

- Display the printer connected to the iPhone and iPad via USB cable.
- 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.







A model that supports USB connection: SRP-Q300II

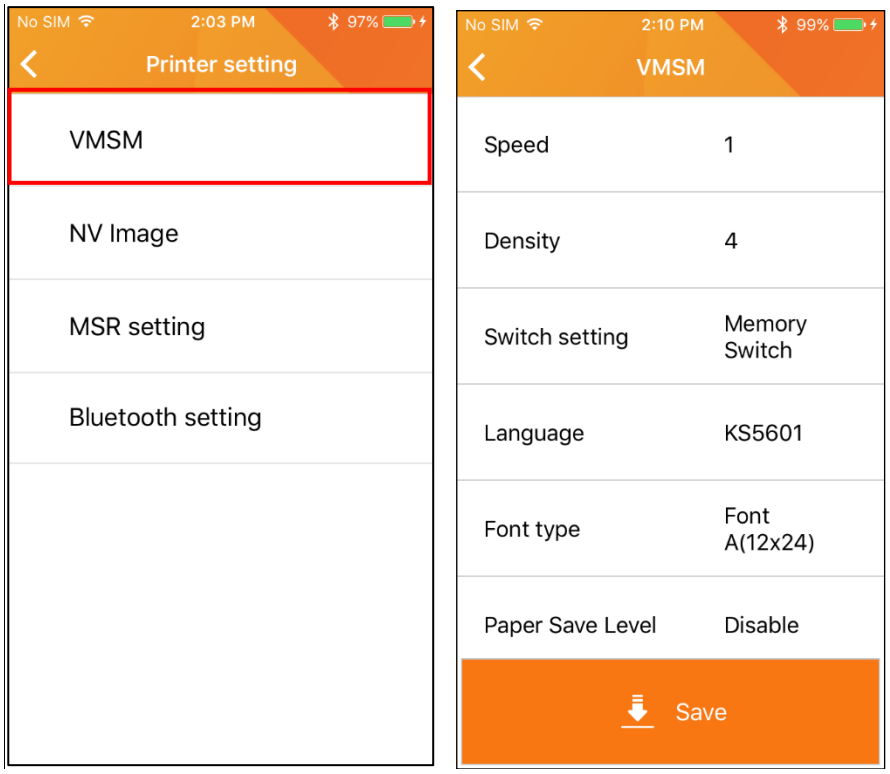
3-2 Printer Settings

• 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.

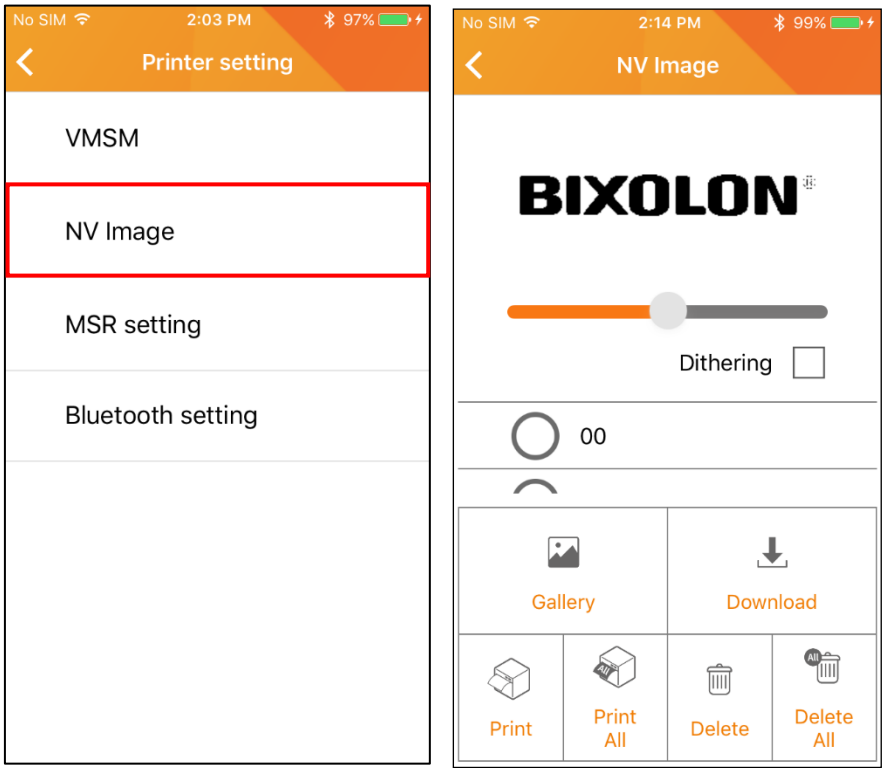


- Speed: Set the printing speed.
- Density: Set the printing density.
- Language: Set a language to use when printing.
- Font type: Set the font type.
- Switch setting: Set using Memory switch or Dip switch.
- Power Save Mode: Set the power saving mode for low power consumption.
- Auto cutter selection: 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.
- Media type: Change the media type to Receipt or Black mark.
- 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

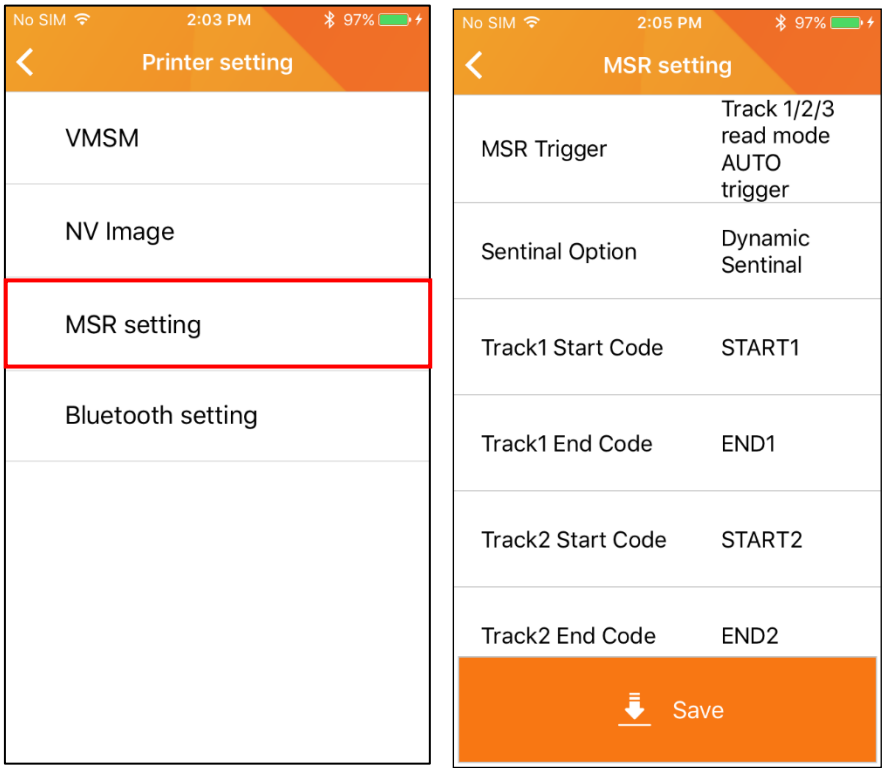
Manage the images stored in the flash memory.



- 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

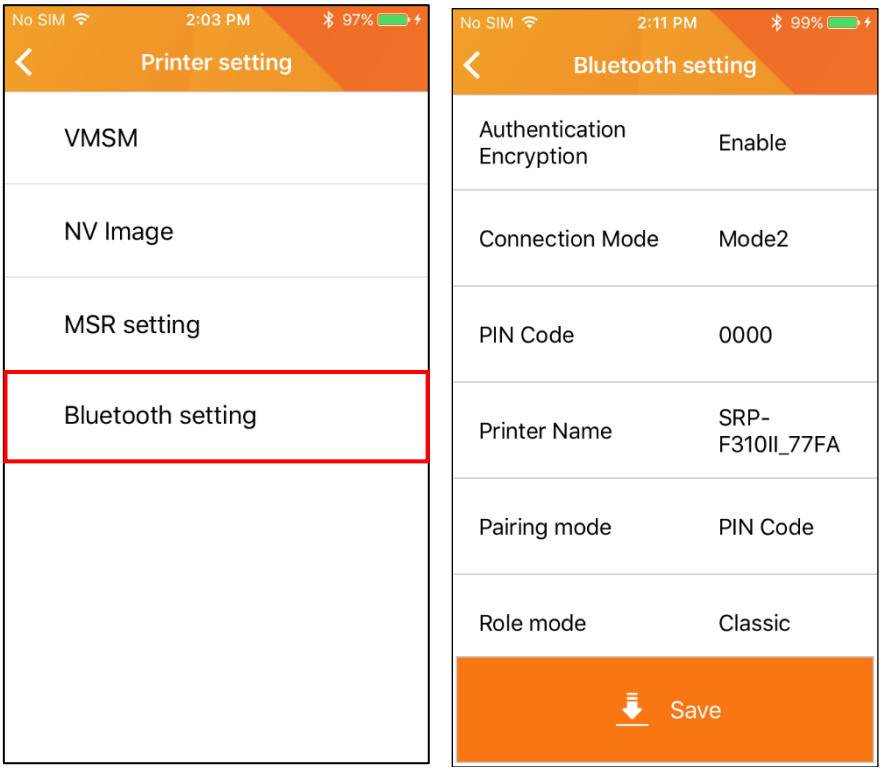
The menu displays on a mobile printer with an MSR reader.



- 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) Bluetooth setting

Configure the Bluetooth settings.
The configurable settings are different between POS printers and mobile printers.

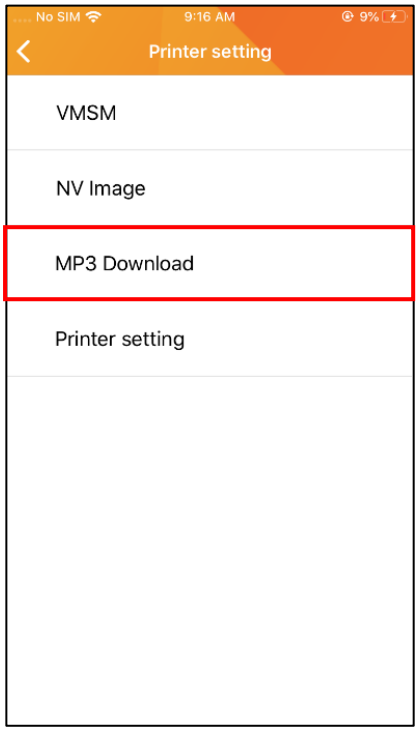


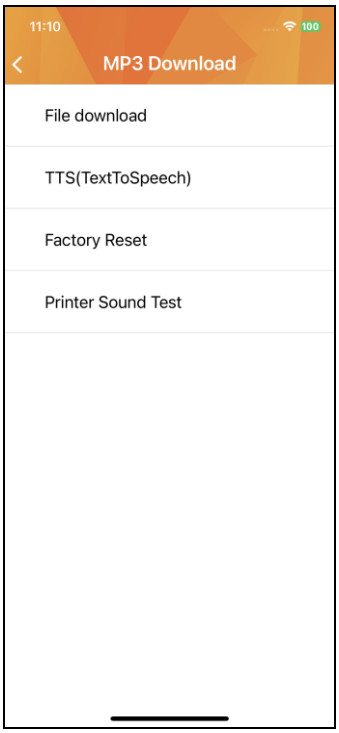
- Authentication Encryption: Sets or cancels Authentication & Encryption mode when connecting via Bluetooth.
- Connection mode: Sets Mode when connecting via Bluetooth.
- PIN Code: Changes the PIN Code required for Bluetooth connections.
- Printer Name: Changes the device name produced when establishing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

- The Bluetooth settings should be configured using an interface other than Bluetooth (such as Wi-Fi, Ethernet, etc.) when connecting.
- Pairing mode and roll mode are only supported by a POS printer and may not be supported depending on the Bluetooth version.

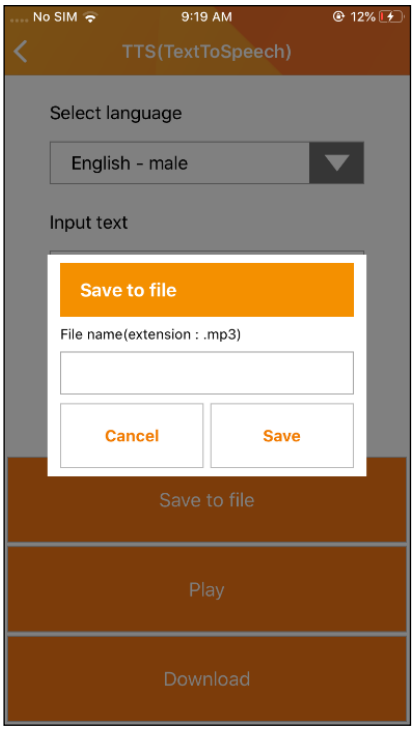
5) MP3 Download

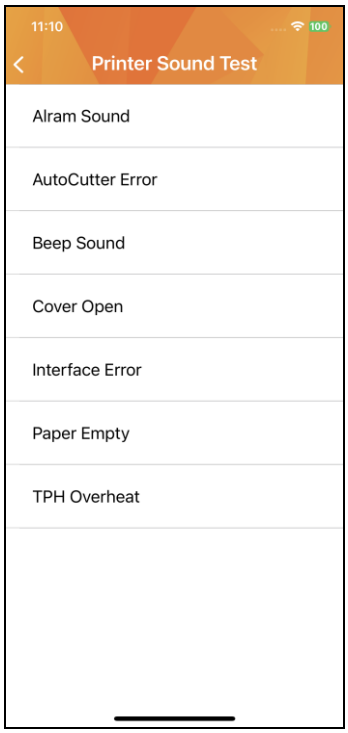
Download and sound test the MP3 file to the printer.

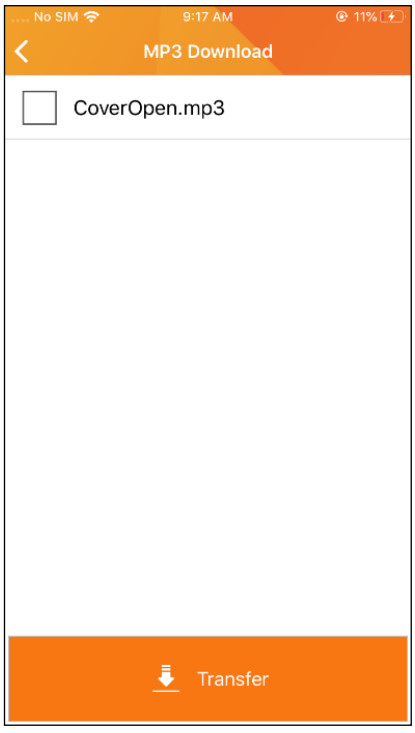










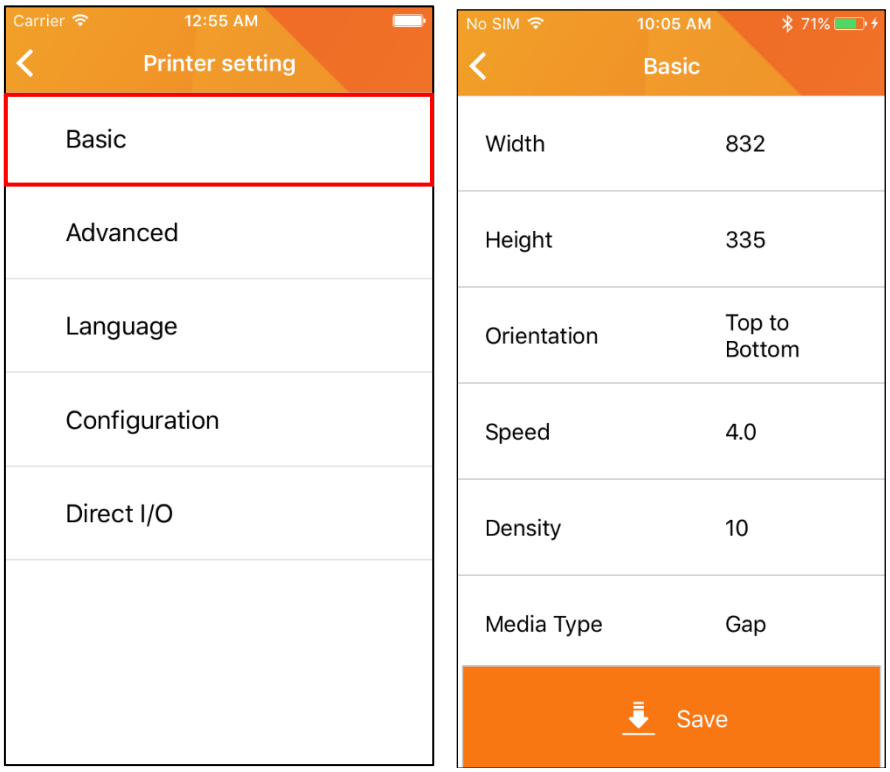


- It can be used only SRP-S3000, SRP-S300II that support the MP3 file download function.
- TTS function is only available for iOS 13 or later versions.

3-2-2 Label

1) Basic

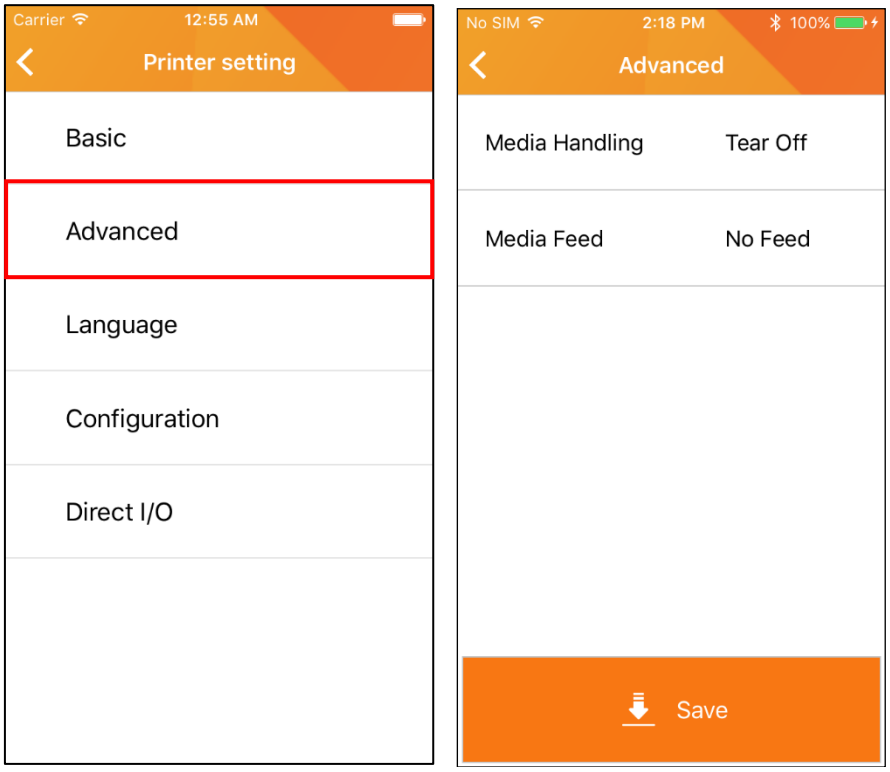
Printer settings such as label size, speed, density and media type will be displayed on the screen. Make any necessary changes and save



- 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

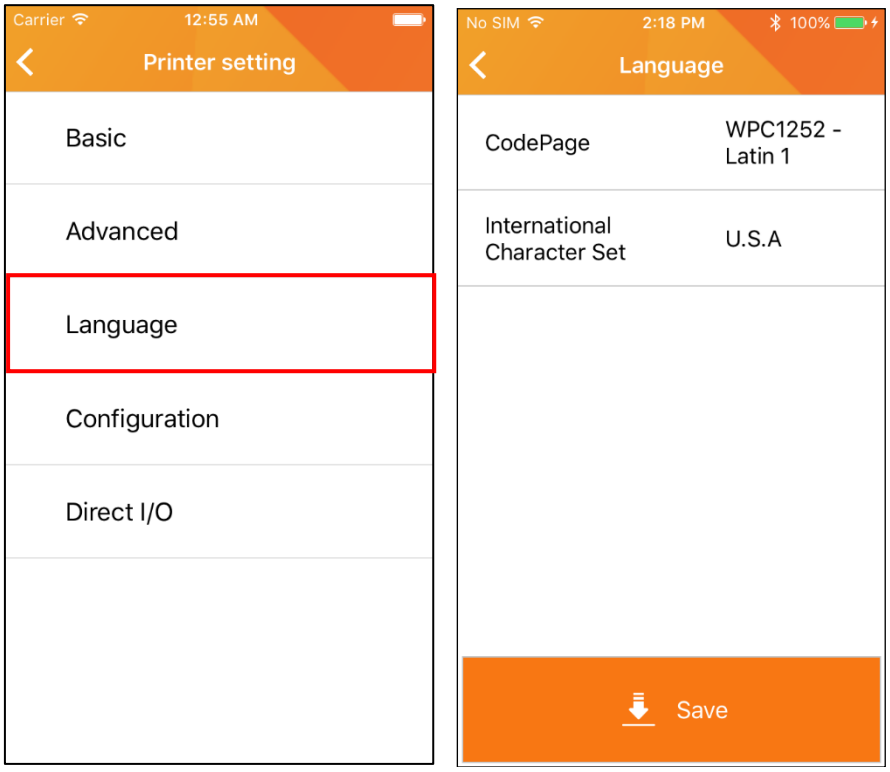
Settings such as media handling will be displayed on the screen.
Make any necessary changes and save.



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

3) Language

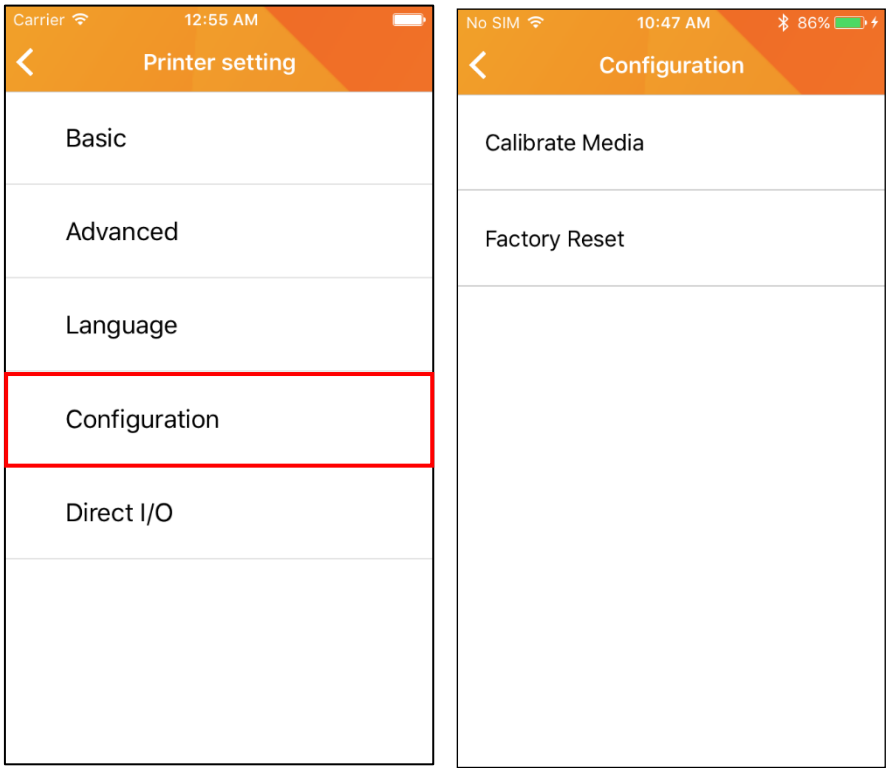
Settings such as code page and international character set are displayed on the screen. Make any necessary changes and save.



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

4) Configuration

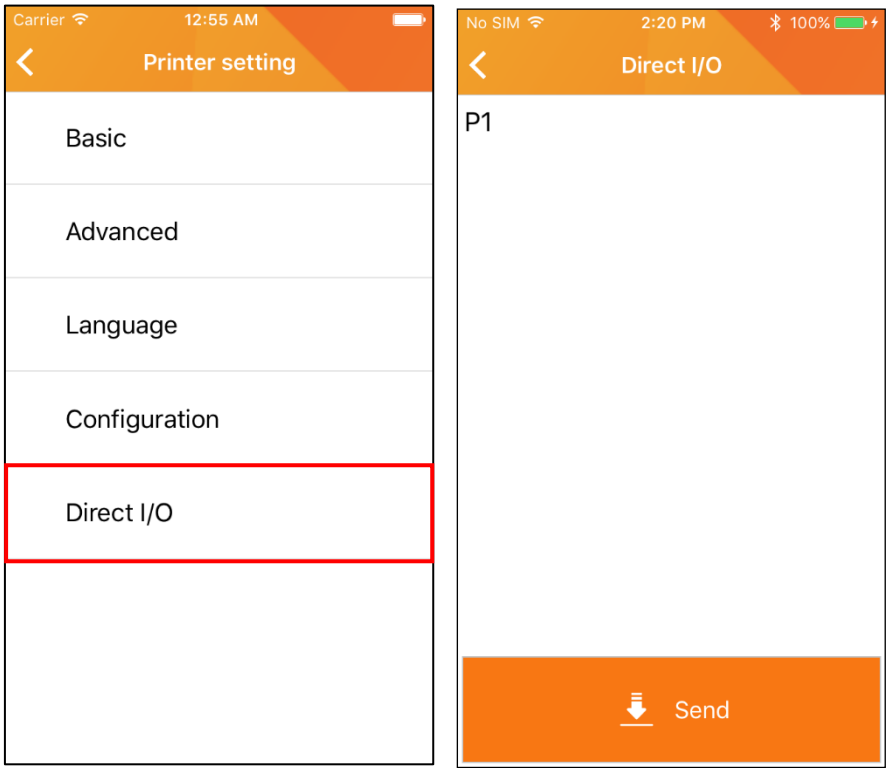
Check the printer information and perform preset functions.



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

5) Direct I/O

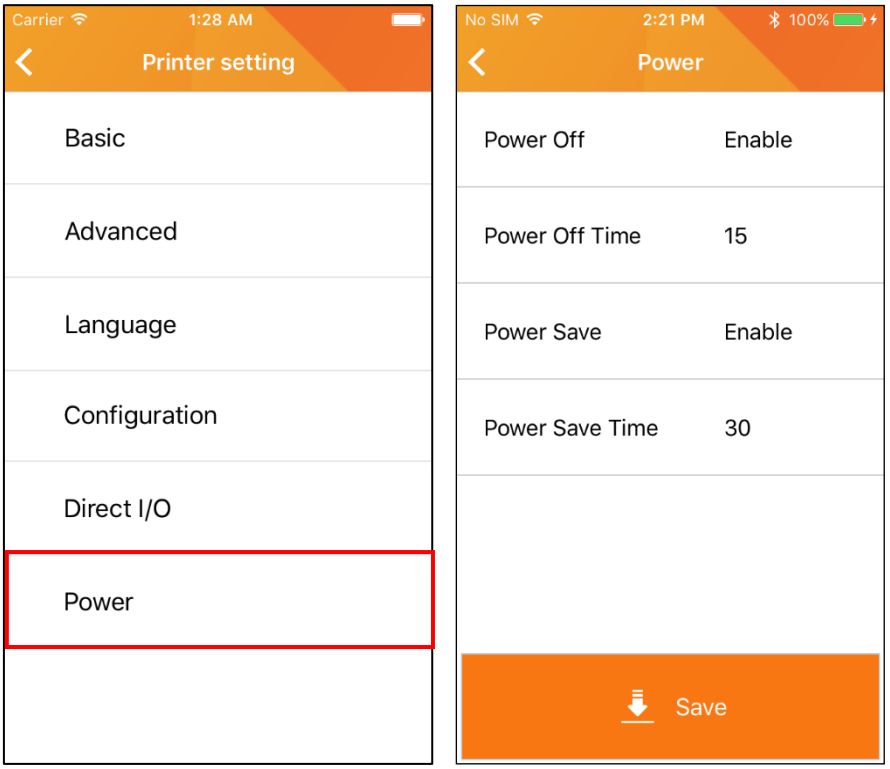
Transfer printer data directly.



You can only use commands supported by the printer.

6) Power

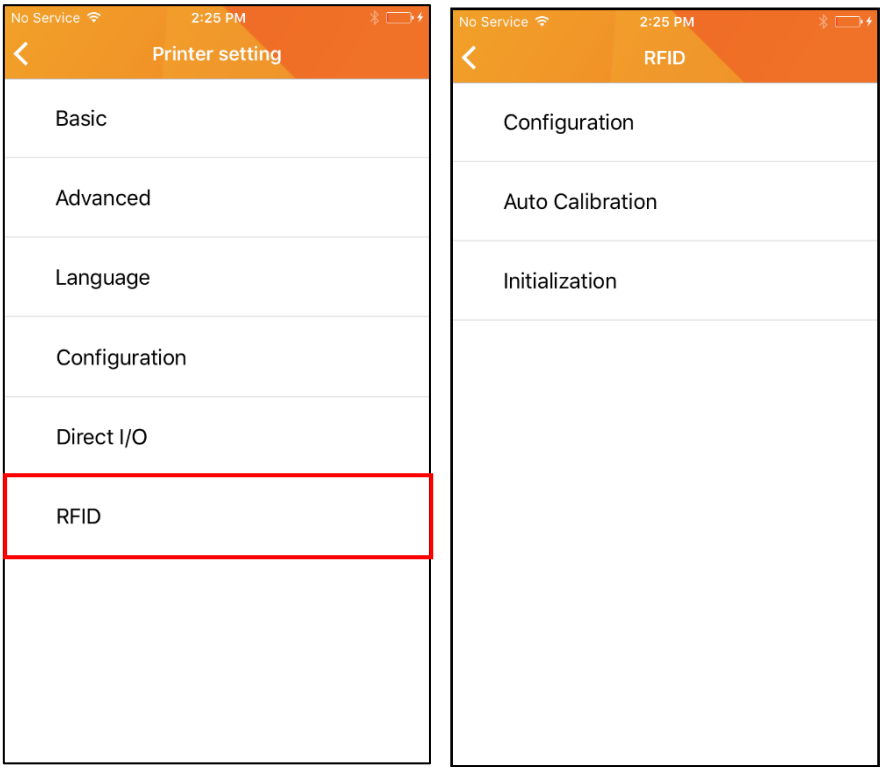
This menu is only activated with mobile printers and it can configure the printer's power settings.



- 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.

7) RFID

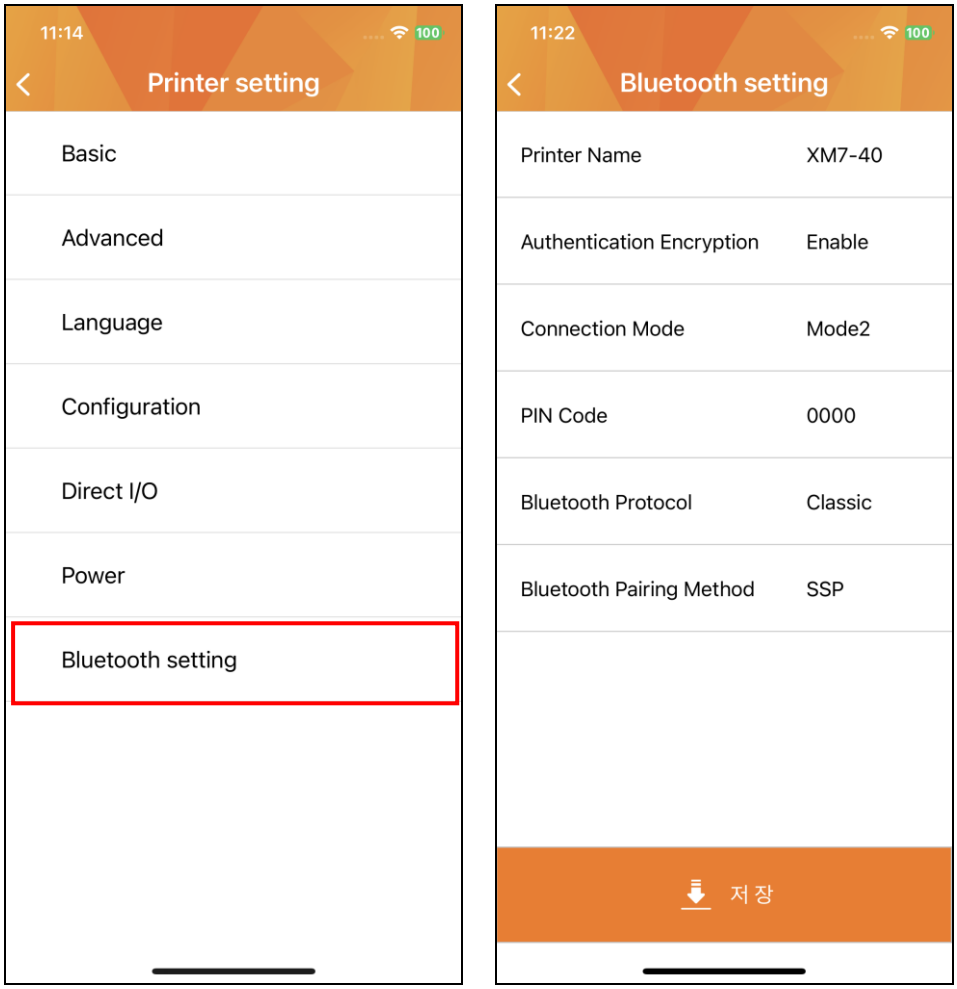
This menu is only activated with RFID printers and it can configure the printer's RFID settings.



- 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.

8) Bluetooth Setting

Configure the Bluetooth settings.



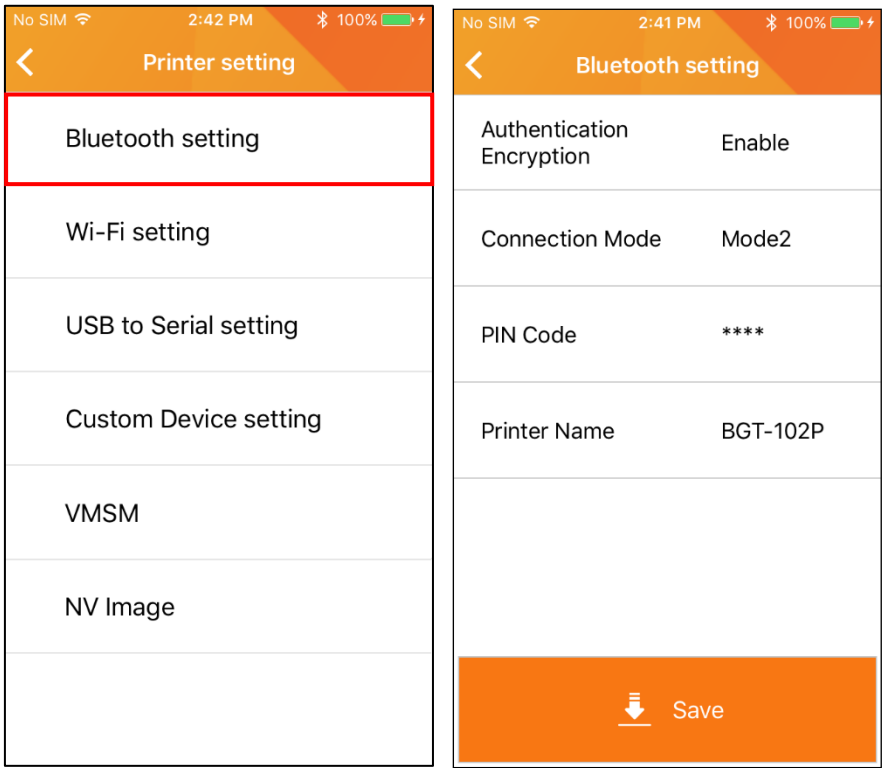
- Printer Name: Changes the device name produced when establishing a Bluetooth connection.
- Authentication Encryption: Sets or cancels Authentication & Encryption mode when connecting via Bluetooth.
- Connection mode: Sets Mode when connecting via Bluetooth.
- PIN Code: Changes the PIN Code required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

- The Bluetooth settings should be configured using an interface other than Bluetooth (such as Wi-Fi, Ethernet, etc.) when connecting.
- Bluetooth Protocol and Bluetooth Pairing method are may not be supported depending on the Bluetooth version.

3-2-3 B-gate

1) Bluetooth setting

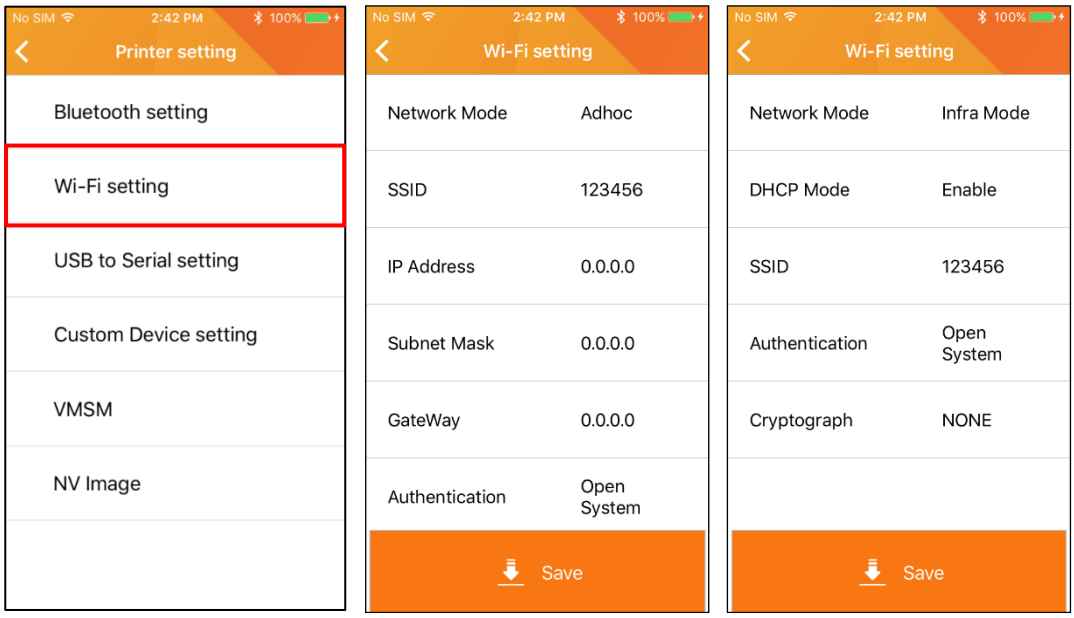
Configure the Bluetooth settings.



- 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

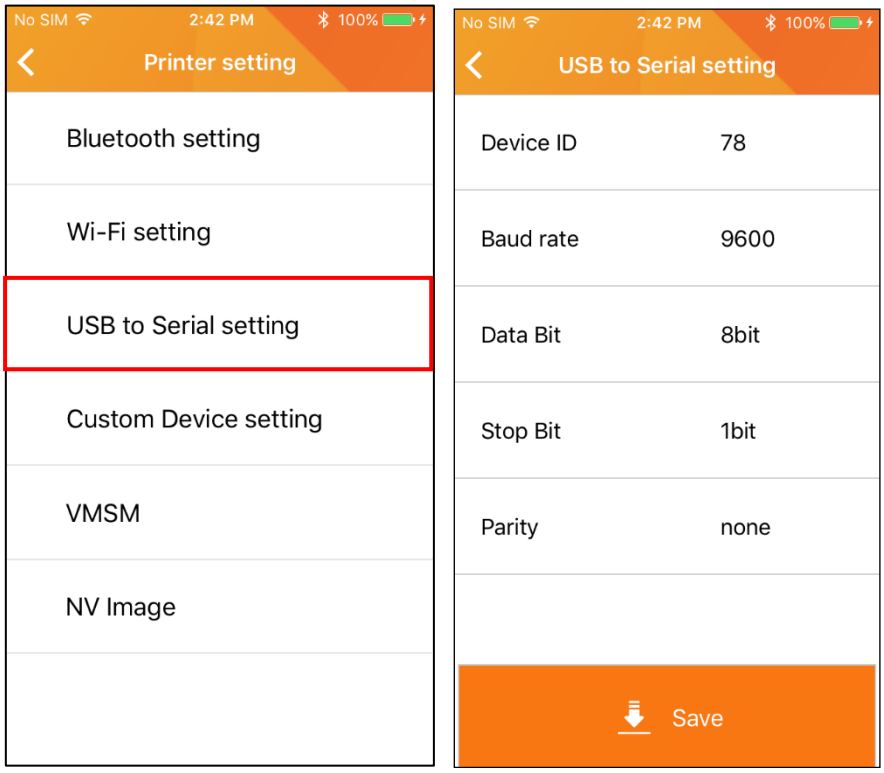
Configure Wi-Fi settings.



- 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.

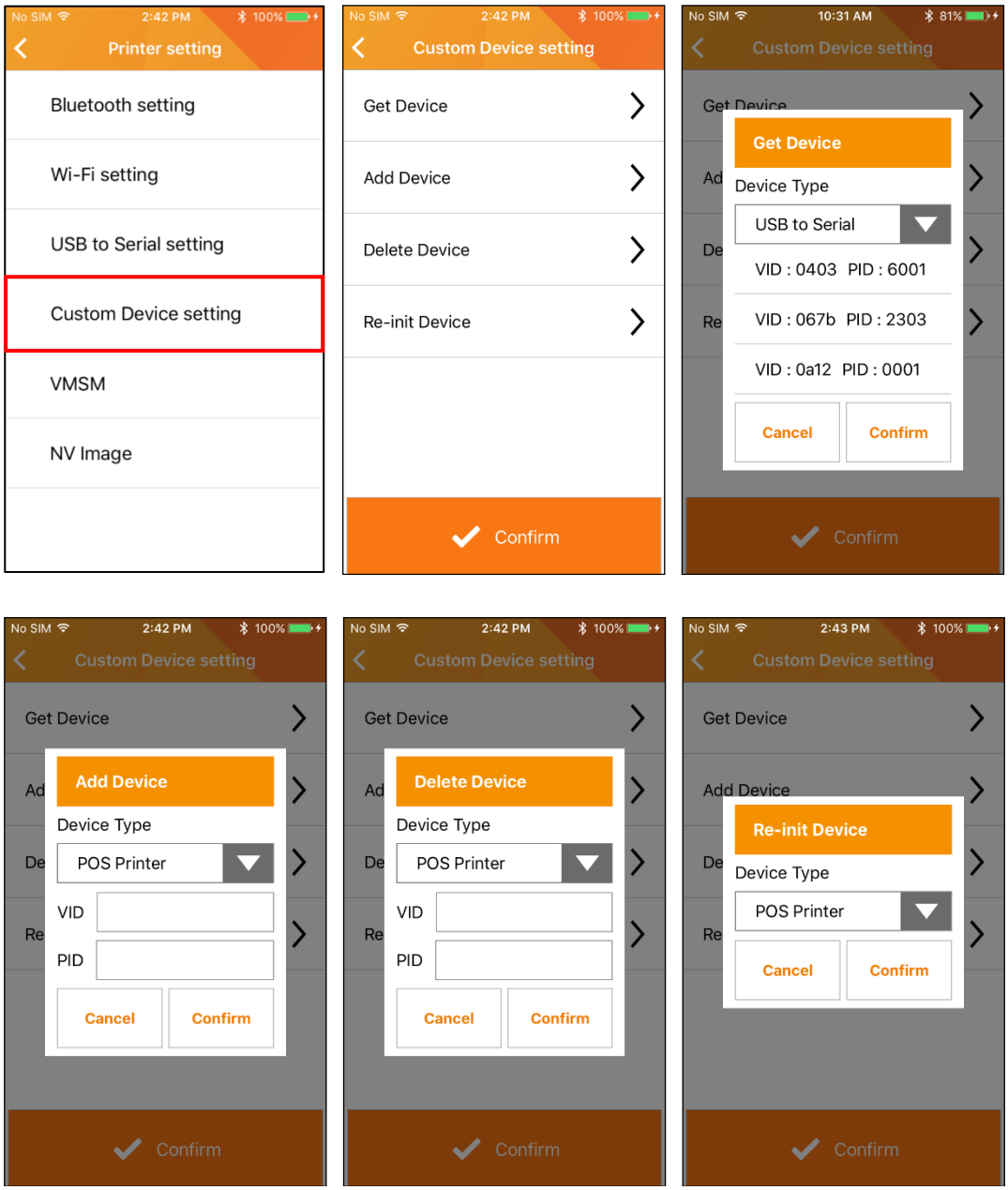


- Device ID: ID of “USB to Serial” Device connected to a B-gate.
- Baud rate: Set Baud rate.
- Data Bit: Set Serial Data bit
- Stop Bit: Set Serial Stop bit
- Parity: Set Serial Parity bit

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

4) Custom Device setting

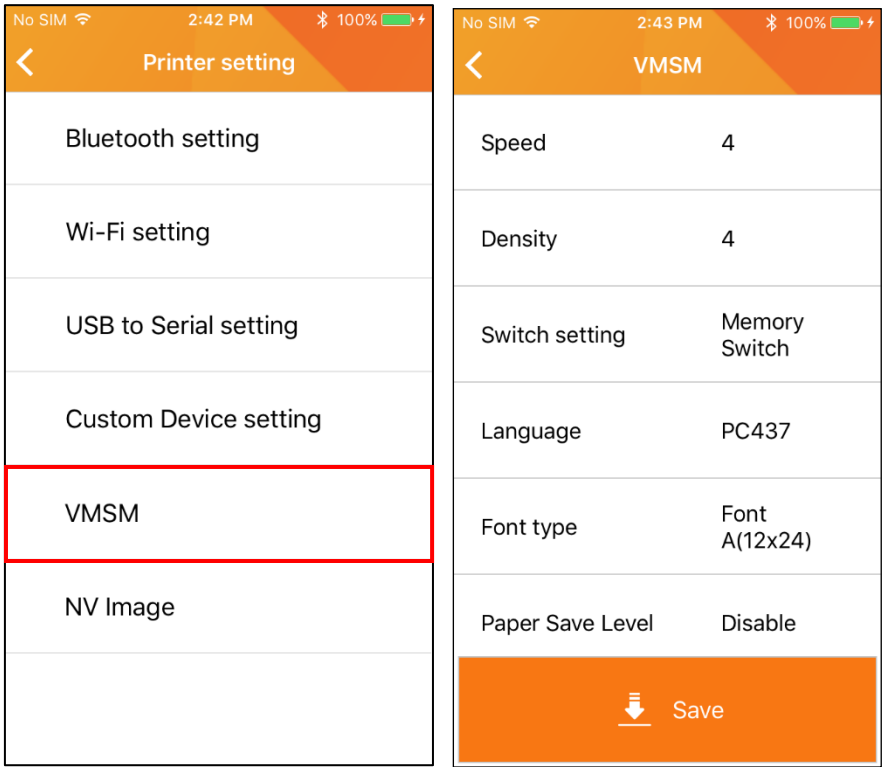
Search, remove, or reset devices added to the B-gate, or add a new device.



- 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

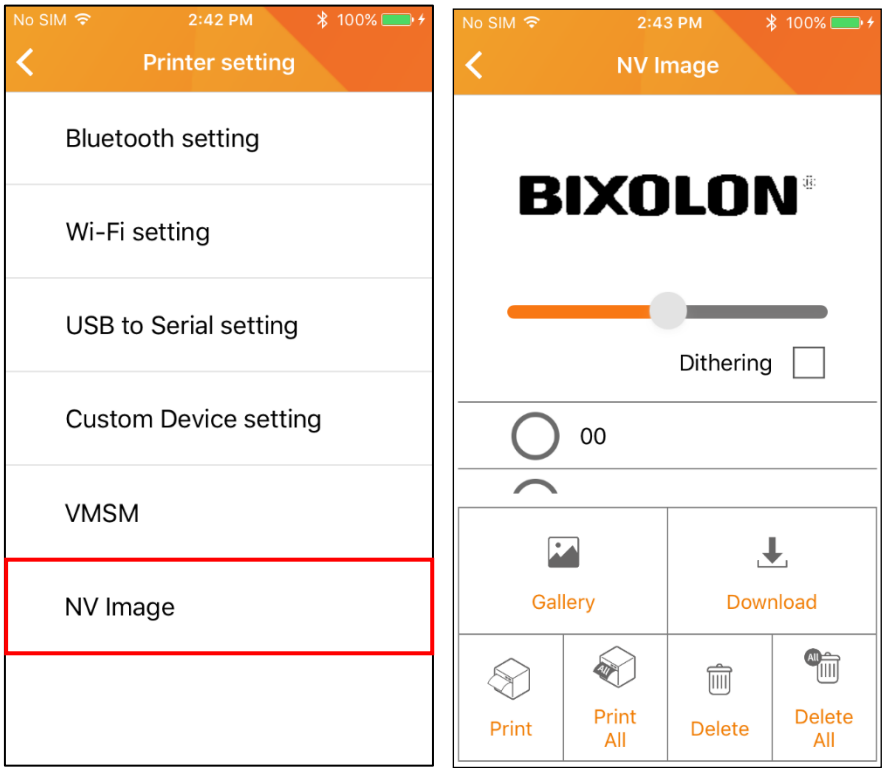
The settings such as print speed, density, language, and font will be displayed on the screen. The configurable settings may be different depending on the model.



- 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

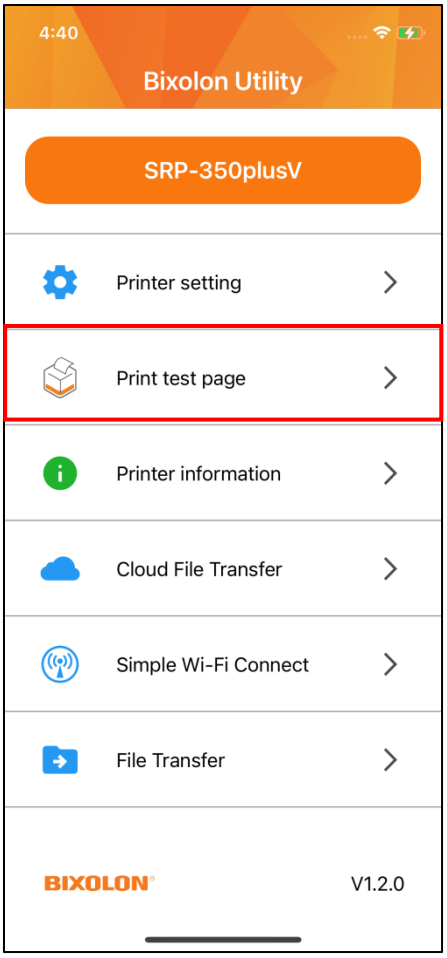
Manage the images stored in the flash memory.



- 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.

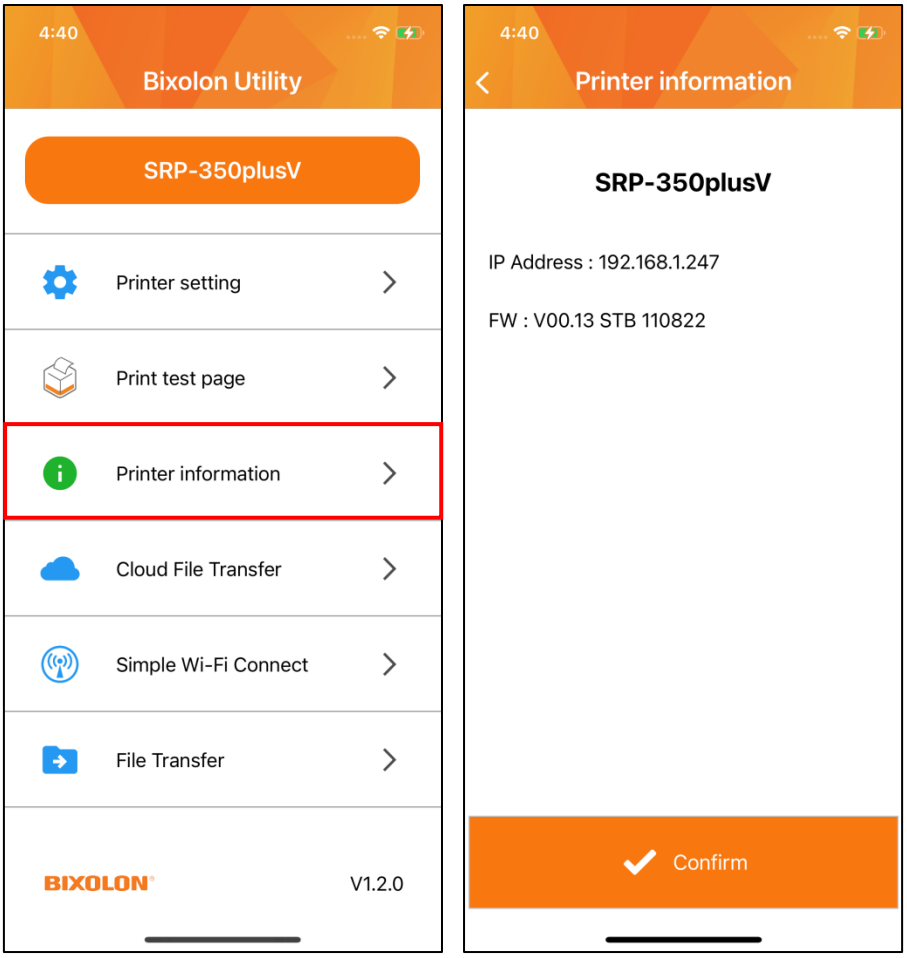
3-3 Print Test Page

• You can print test pages.



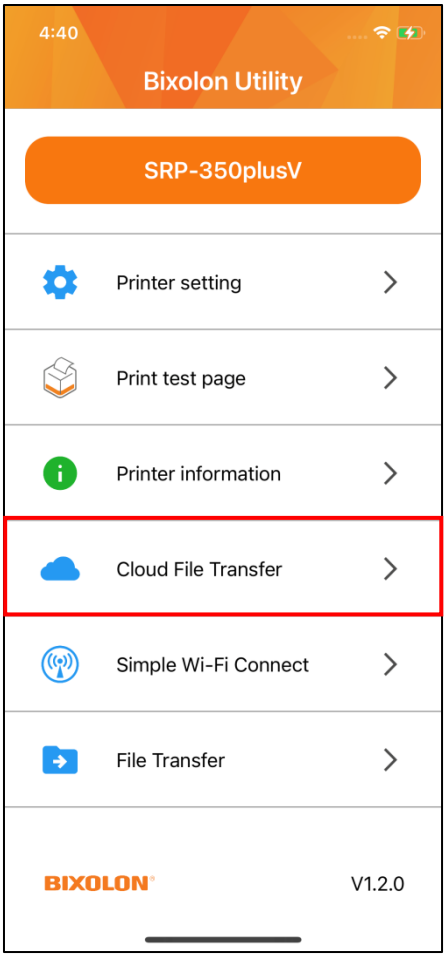
3-4 Printer Information

• Check the printer information.



3-5 Cloud File Transfer

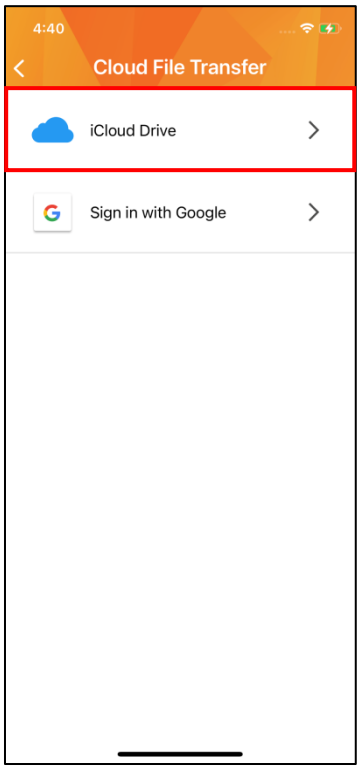
• You can send files to the printer using iCloud Drive and Google Drive.



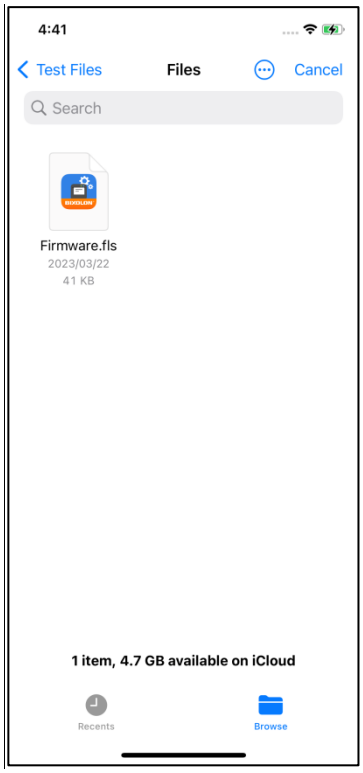
Only “.bin”, “.fls” and “.txt” files are supported.

3-5-1 iCloud Drive

1) Select iCloud Drive. If you have not already logged in to your Apple account on the device, you will need to do so before you can use it.

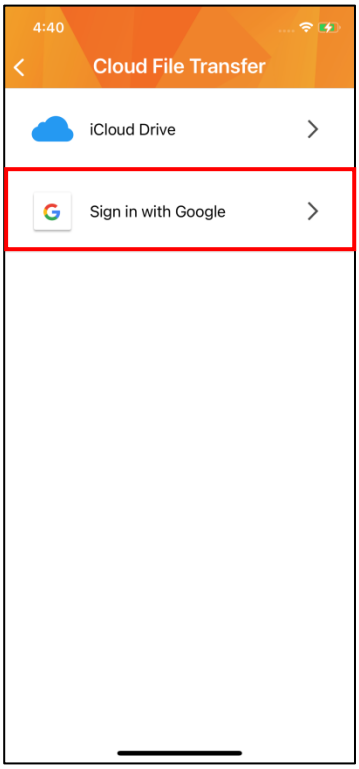


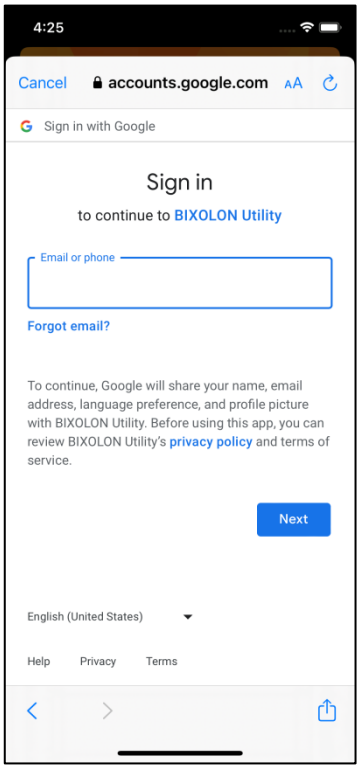
2) Select the desired file and send it to the printer.



3-5-2 Google Drive

1) Select Sign in with Google and log in.



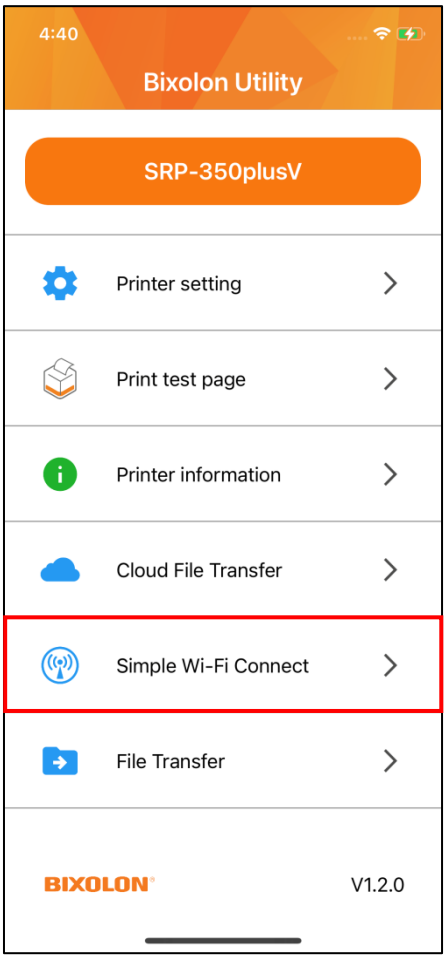


2) Select the desired file and send it to the printer.



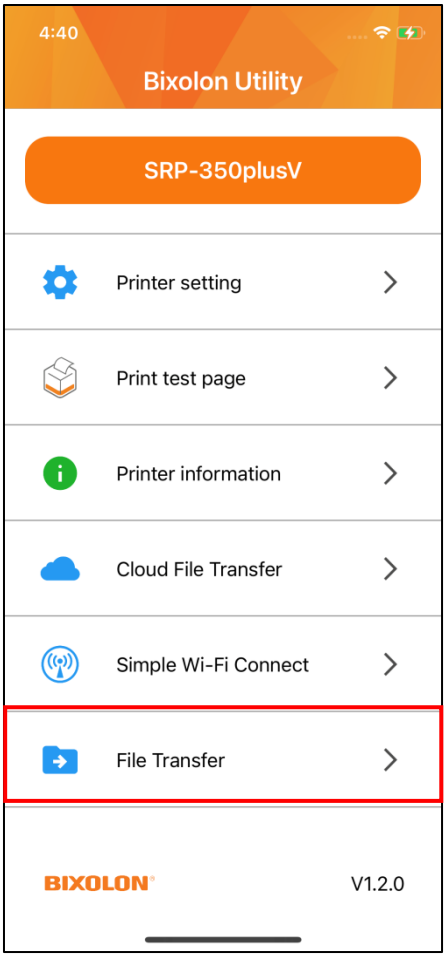
3-6 Simple Wi-Fi Connect (SWC)

• The SWC function allows you to set up the printer's network simply by entering the Wi-Fi password. Follow the on-screen instructions to complete the printer's network setup using SWC.



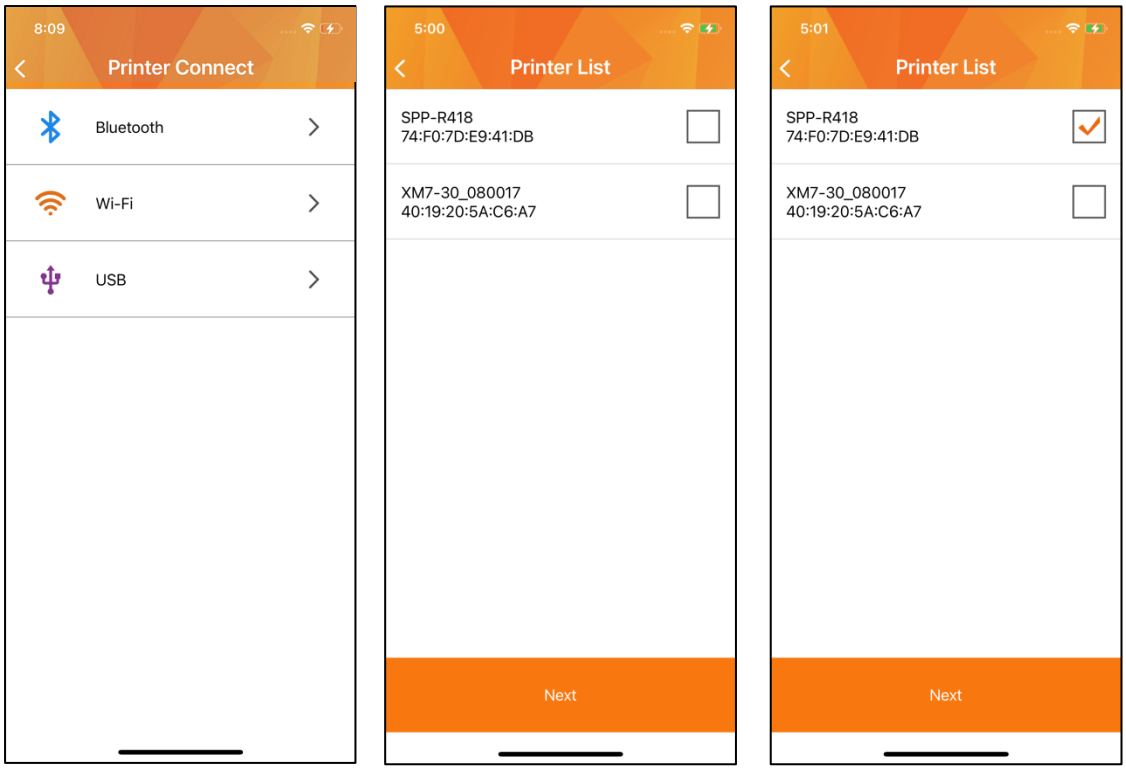
3-7 File Transfer

• You can send the file to one or multiple printers.

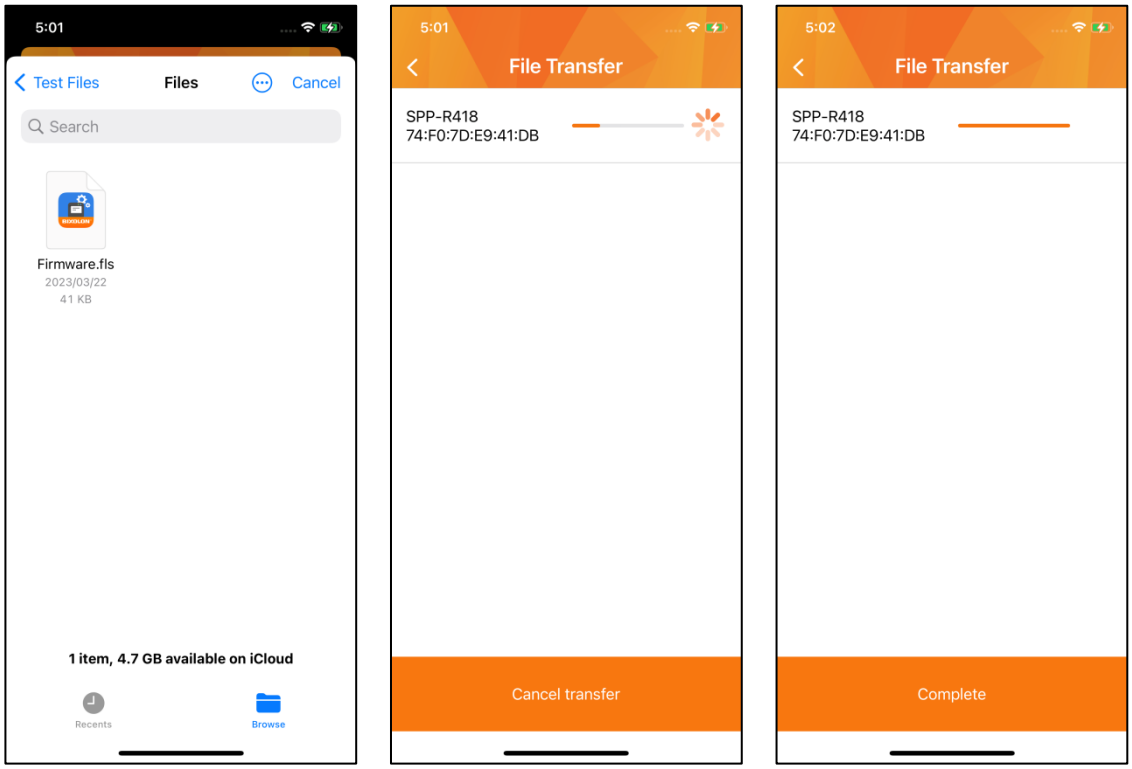


Only “.bin”, “.fls” and “.txt” files are supported.

1) Select the interface and choose the printer.



2) Select the file to send and transmit it to the printer.



Revision history

Ver.	Date	Description
1.00	18-11-2019	New
1.01	13-03-2020	add supported model(XM7-20)
1.02	10-09-2020	add RFID type model (XT5-40(RFID) / XT5-43(RFID) / XT5-46(RFID), XD5-40t(RFID) / XD5-43t(RFID)) added rfid setting function.
1.03	25-09-2020	add supported model(SRP-S320)
1.04	30-10-2020	add supported model (SRP-S3000/SRP-S3000_LABEL, XD3-40d, XD3-40t)
1.05	14-01-2021	add supported model (SRP-B300)
1.06	26-02-2021	add supported model (SRP-S200, SRP-S320Hi)
1.07	03-09-2021	add supported model (XT3-40, XT3-43, XM7-40(RFID))
1.08	03-11-2021	add supported model(SPP-C200)
1.09	22-03-2022	- Supported models updated - Supported OS updated
1.10	26-04-2022	- Supported models updated - Printer Settings (3-2-1) updated
1.11	22-06-2022	- Supported models updated
1.12	16-08-2022	- Supported models updated - “Smart Connection” removed - Some graphic images changed - 3-5 “Simple Wi-Fi Connect” added
1.13	06-04-2023	add supported model (G30)
1.14	09-05-2023	- Move to the main screen of the file transfer function - Cloud file transfer function added
1.15	11-10-2023	add supported model (SRP-Q300II)
1.16	22-08-2024	Add supported model (SRP-S300II)
1.17	26-12-2024	SRP-380II, SRP-382II model name updated to SRP-380plus, SRP-382plus respectively
1.18	14-01-2025	Add supported model (XD5-40IId, XD5-43IId, XD5-40IIt, XD5-43IIt)

1.19	17-04-2025	Add supported model (BT3-40, BT3-43, BT5-40, BT5-43, BT5-46, BD5-40d, BD5-43d, BD5-40t, BD5-43t)
1.20	18-06-2025	Add supported model (XM5-30)
1.21	15-07-2025	Add supported model (SRP-B300IIE)
1.22	08-09-2025	Add supported model (XT6-60N, XT6-63N)
1.23	18-09-2025	Add supported model (XT6-40(RFID), XT6-43(RFID), XT6-46(RFID))
1.24	20-02-2026	Add supported model (SPP-R230)
1.25	12-08-2026	Add supported model (XC3-40d, XC5-40d, XC5-43d)