

**BIXOLON**

**Setup Utility Guide**

# **OPOS Driver**

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**Ver. 3.06**

<http://www.bixolon.com>

## **Introduction**

This is a manual about how to register and configure POSPrinter, LineDisplay, MSR, Label Printer produced by BIXOLON with BIXOLON OPOS Driver

[Further Source]

OLE for Retail POS committee available from <http://monroecs.com/opos.htm>

Driver Update from <http://www.bixolon.com>

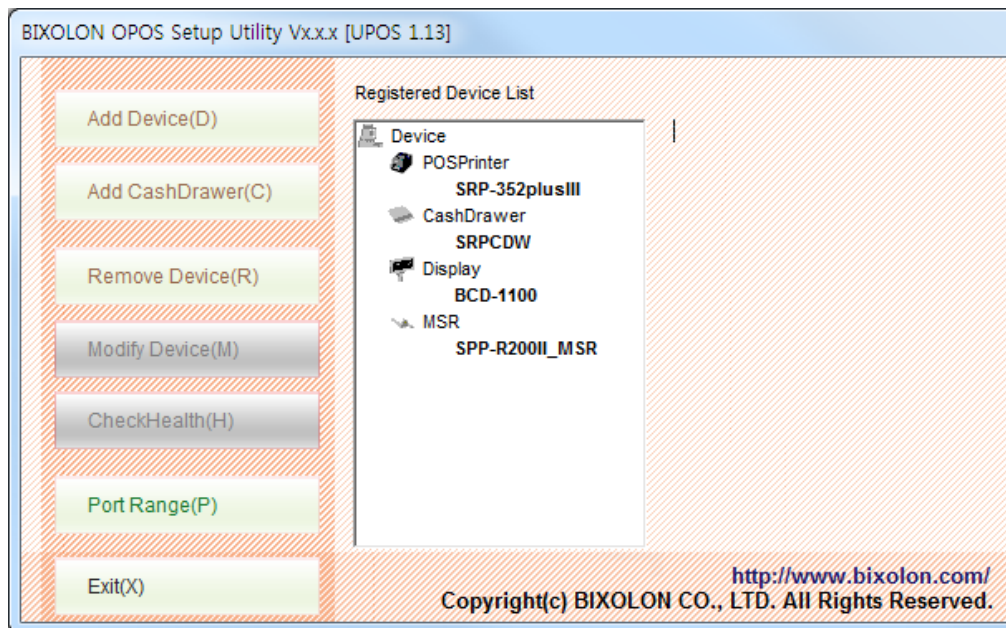
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## 1. BIXOLON OPOS Setup

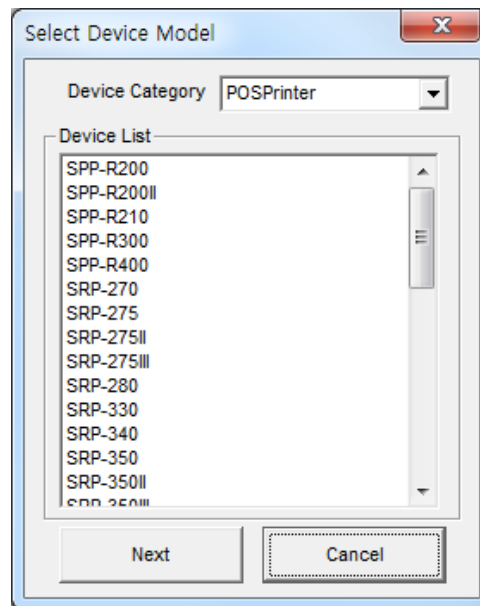
After BIXOLON OPOS Driver installation, execute "BIXOLON OPOS Setup" to register or configure devices.

- \* "BIXOLON OPOS Setup" that is located in.
- \* Start> Programs> BIXOLON OPOS Driver> "OPOS SETUP UTILITY"
- \* When OPOS SETUP UTILITY runs, the main screen appears.



## 1-1 POSPrinter Registration

1) Click "Add Device" button.



2) Select "POSPrinter" in Device Category.

3) Select the desired printer model from the Device List and click the "NEXT" button.



**Caution**

Certain models are classified according to CPL settings.

For example, "SRP-B300" model is distinguished from "SRP-B300(42CPL)" , and appropriate model should be selected and registered depending on the printer's CPL settings.

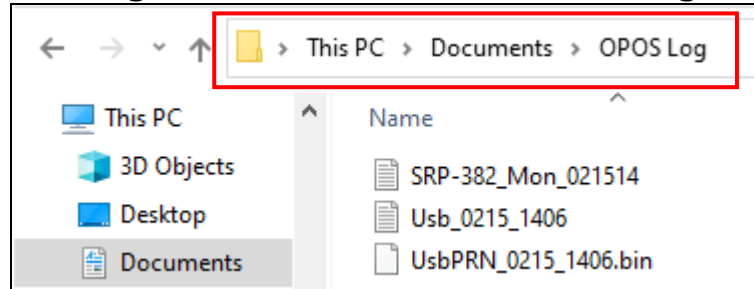
\* CPL(Character Per Line) : Number of characters that can be printed on a line.

4) Set the communication environment of the connected printer and click "OK" button.



### Note

- Please check the 'Log' and 'Binary' checkbox when it's necessary only. Otherwise Hard Drive capacity will be lack of containing other files due to the 'Log' and 'PRN' checkbox function.
- OPOS log files can be found in the following locations.



5) Click "Advanced" button to set values related to advanced settings.

6) Set Image Print options and Default font, Characterset, Thai Combination, International charset, etc.



### Note

If the settings of default font, charset, international charset, etc. are overlapped, the settings of the program are applied first.

7) It is possible to adjust the brightness of an image, and to select image-processing options. Click "Save" button to save the values.

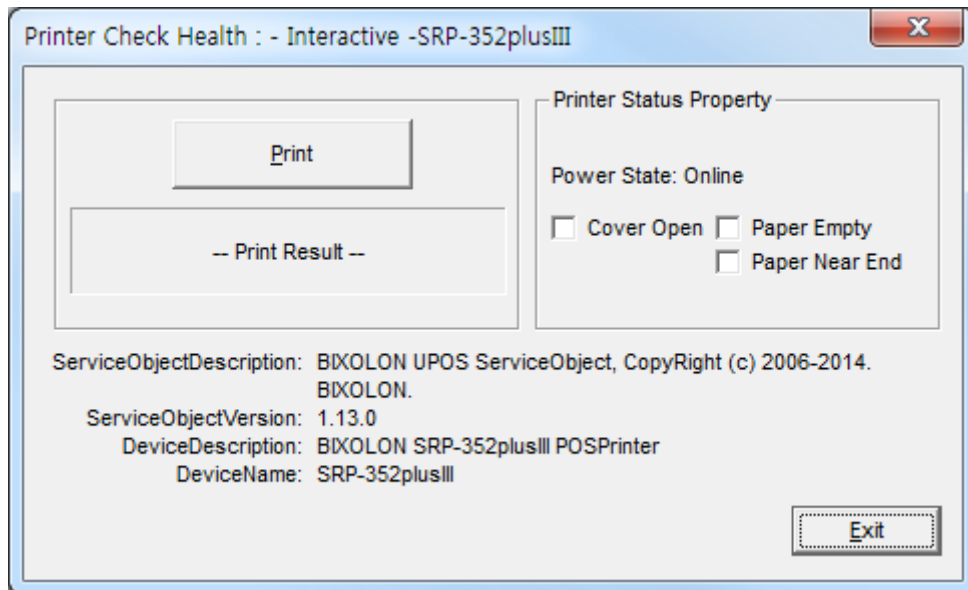


### Note

- The image processing options can only be applied to "PrintBitmap" function.
- Garyscale printing is available on SRP-330II, 332II, 350plusIII, 352plusIII, F310II, F312II, F313II, 380, 382, S300, Q300, Q302 supported.

- 8) If the "CheckHealth" button is selected and the following screen is displayed, communication with the printer is normally connected.

<POSPrinter CheckHealth Dialog >



Item	Description
Logical Device Name (LDN) [Edit Box]	The device can be used with the new LDN value.
Port [Drop List Combo Box]	Port setting
Bits per second [Drop List Combo Box]	If serial port is used, set Baudrate.
But Length [Drop List Combo Box]	If serial port is used, set Bit Length
Parity Bits [Drop List Combo Box]	If serial port is used, set Parity Bit
Stop Bits [Drop List Combo Box]	If serial port is used, set Stop bit
Handshake [Drop List Combo Box]	If serial port is used, select Handshake type.
Input Buffer (byte) [Edit Box]	Select the input buffer size. (32 to 8192)
Output Buffer (byte) [Edit Box]	Select the input buffer size. (32 to 4096)
CheckHealth	Summon the device's CheckHealth (Level = OPOS_CH_INTERACTIVE) function. (This function can check the status of the printer.)
Apply or OK [Button]	Saves the current setting.
Cancel [Button]	Exit without saving the current setting.

## 1-2 CashDrawer Registration

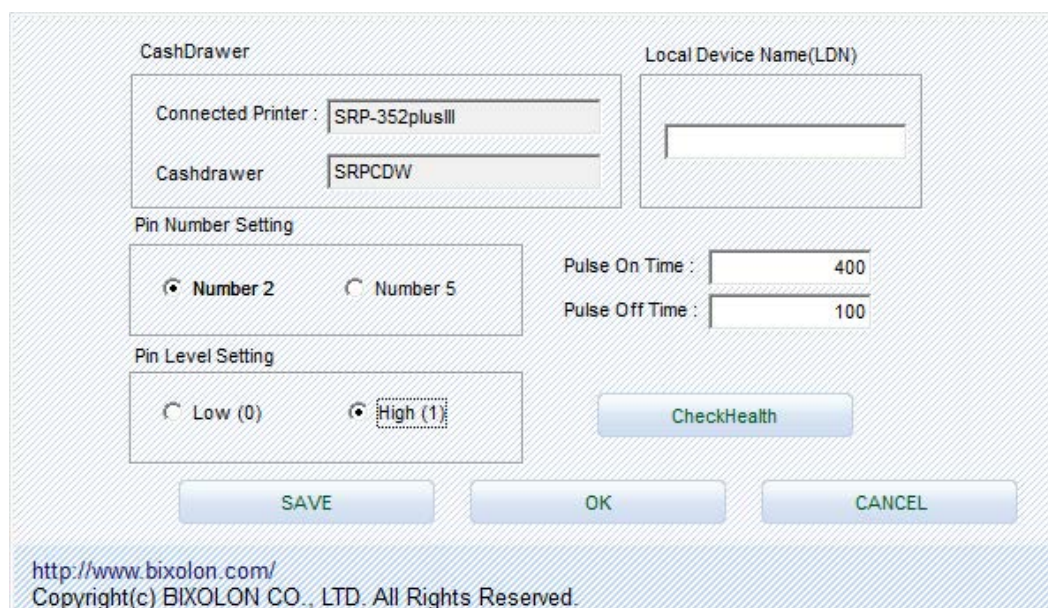
- 1) Click "Add CashDrawer" button.
- 2) From the connected printer list, select the desired printer with CashDrawer.



### Note

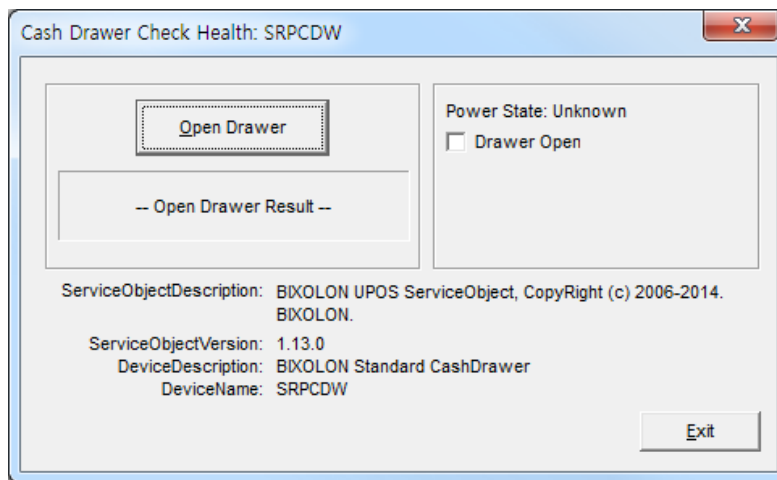
If the Cashdrawer connected printer is not listed, add the printer first.

- 3) Set up CashDrawer and click "SAVE" or "OK" button.



- 4) If "CheckHealth" button is selected and the following screen is displayed, communication with CashDrawer is normally connected.

### <CashDrawer CheckHealth Dialog >



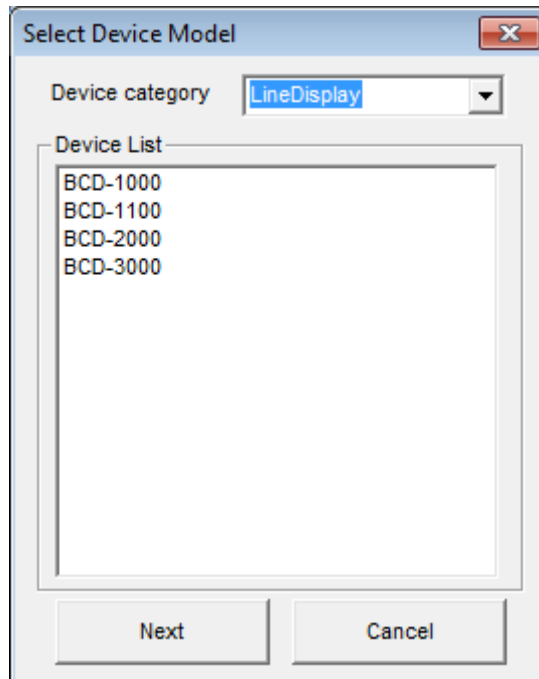
#### Note

- If the cash drawer is not open after selecting the button of Open Drawer, it is necessary to change 'Pin Number Setting' on device circumstance setting of the cashdrawer.
- You shall adjust the Pin level setting, if the cashdrawer status changed from 'open' to 'close'.

Item	Description
Pin Number	Set the pin number of cashdrawer output signal connector. (default: 2)
Open Level	Set the closed state signal of the cashdrawer. (default: Low)
Pulse ON time	Set the ON time of the output signal. (default: 100 ms)
Pulse OFF time	Set the OFF time of the output signal. (default: 400 ms)
CheckHealth	Summon the device's CheckHealth (Level = OPOS_CH_INTERACTIVE) function. (This function can check the status of the cashdrawer.)

## 1-3 LineDisplay Registration

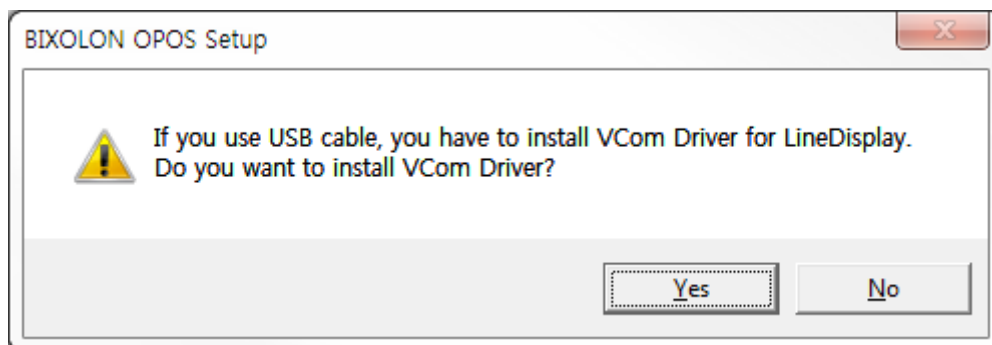
- 1) Click "Add Device" button.
- 2) Select "LineDisplay" in Device Category.



### Note

BCD-2000K is the compatible mode of BCD-2000.  
It is possible to set compatibility mode by Customer Display Utility.

- 3) Select LineDisplay model and click "NEXT" button.
- 4) If BCD-2000 or BCD-3000 is selected and BCD VCom Driver is not installed, the following message appears. Select "Yes" to install the BCD VCom Driver.



### Caution

When connecting using USB, BCD VCom Driver should be installed.

5) After setting the communication type and device of LineDisplay, click "OK" button.

Device Name: BCD-2000

Local Device Name(LDN):

Port Settings:

Select Interface: ☒ Serial ( ☐ Bluetooth ) ☐ Parallel ☐ USB ☐ Ethernet ☐ WirelessLAN )

Port: COM1

BaudRate: 9600

BitLength: 8

Parity: NONE

StopBit(s): 1

Flow Control: DTR/DSR

Input Buffer: 8192

Output Buffer: 8192

☐ Log ☐ Binary

Check & Health

OK Cancel

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6) The BCD-3000 can be connected through the SRP-Q300 or SRP-Q302 printer. After checking "Through connected printer", select BCD-3000 connected printer from the list.

Device Name: BCD-3000

Local Device Name(LDN):

Port Settings:

Select Interface: ☒ Serial ( ☐ Bluetooth ) ☐ Parallel ☐ USB ☐ Ethernet ☐ WirelessLAN )

Port: COM1

BaudRate: 9600

BitLength: 8

Parity: NONE

StopBit(s): 1

Flow Control: DTR/DSR

Input Buffer: 8192

Output Buffer: 8192

☒ Through connected printer

SRP-Q300

☐ Log ☐ Binary

Check & Health

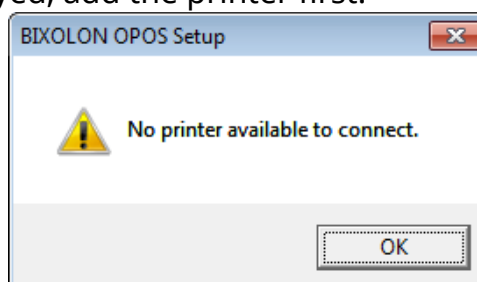
OK Cancel

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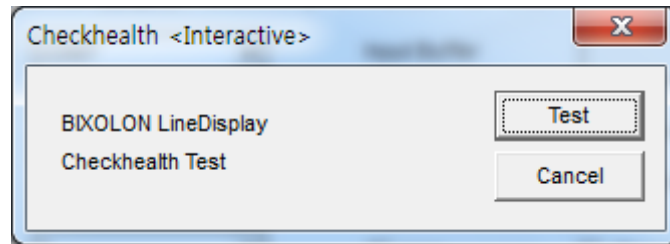


### Note

If "Through connected printer " is checked then the following screen is displayed, add the printer first.

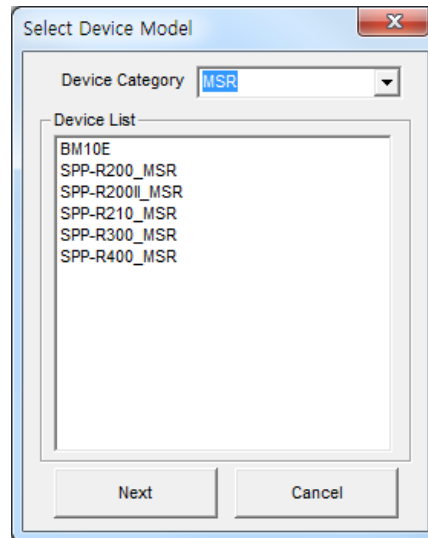


- 7) If "CheckHealth" button is selected and the following screen is displayed, communication with LineDisplay is normally connected.

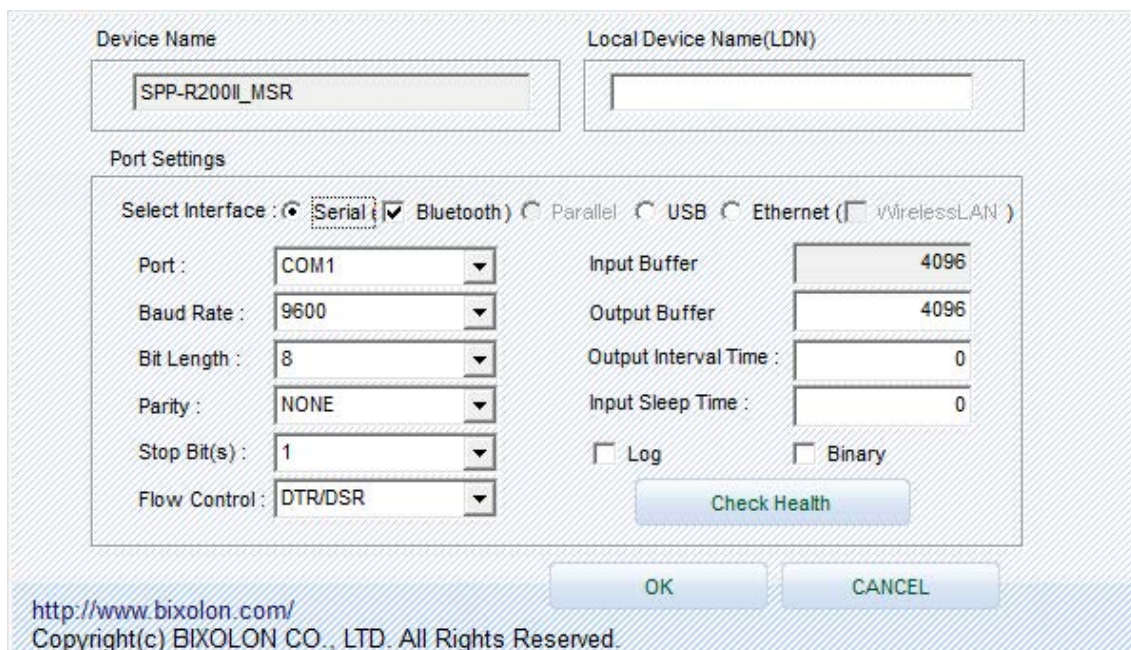


## 1-4 MSR Registration

- 1) Click "Add Device" button.
- 2) Select "MSR" in Device Category list.

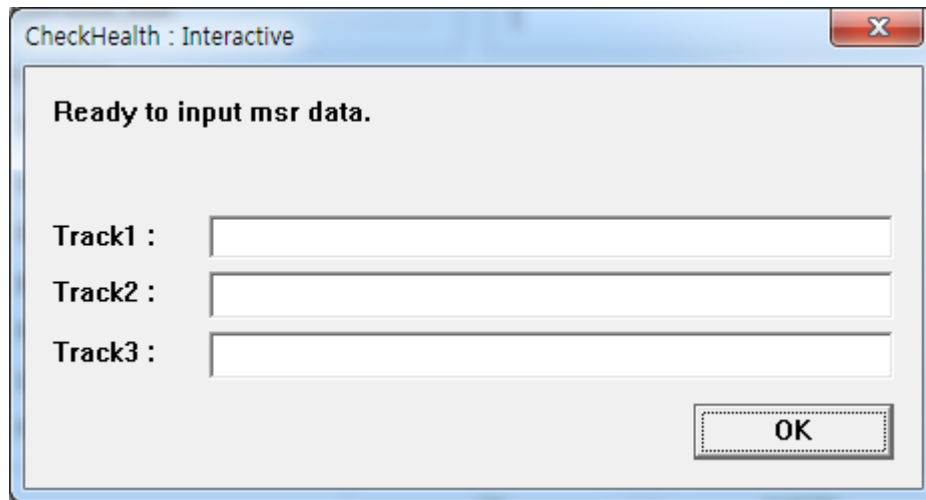


- 3) Select MSR model and click "NEXT" button.
- 4) After setting the communication type and device of MSR, click "OK" button.



5) The following screen is displayed after clicking “CheckHealth” button.

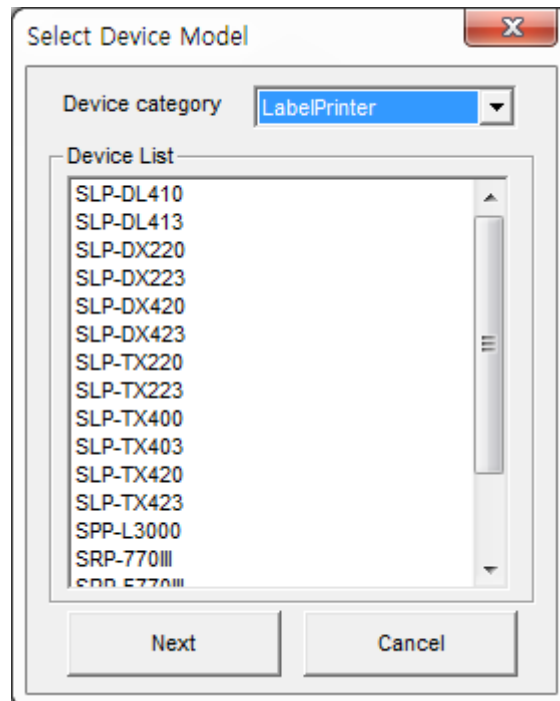
This implicates that communication with MSR is successful. When the card is swiped, please check the screen whether the card information is displayed correctly.



The image shows a Windows-style dialog box titled "CheckHealth : Interactive". The dialog has a standard title bar with a close button (X) in the top right corner. The main content area is light gray and contains the text "Ready to input msr data." in bold. Below this text, there are three input fields, each preceded by a label: "Track1 :", "Track2 :", and "Track3 :". Each label is followed by a white rectangular text box. In the bottom right corner of the dialog, there is an "OK" button with a dotted border.

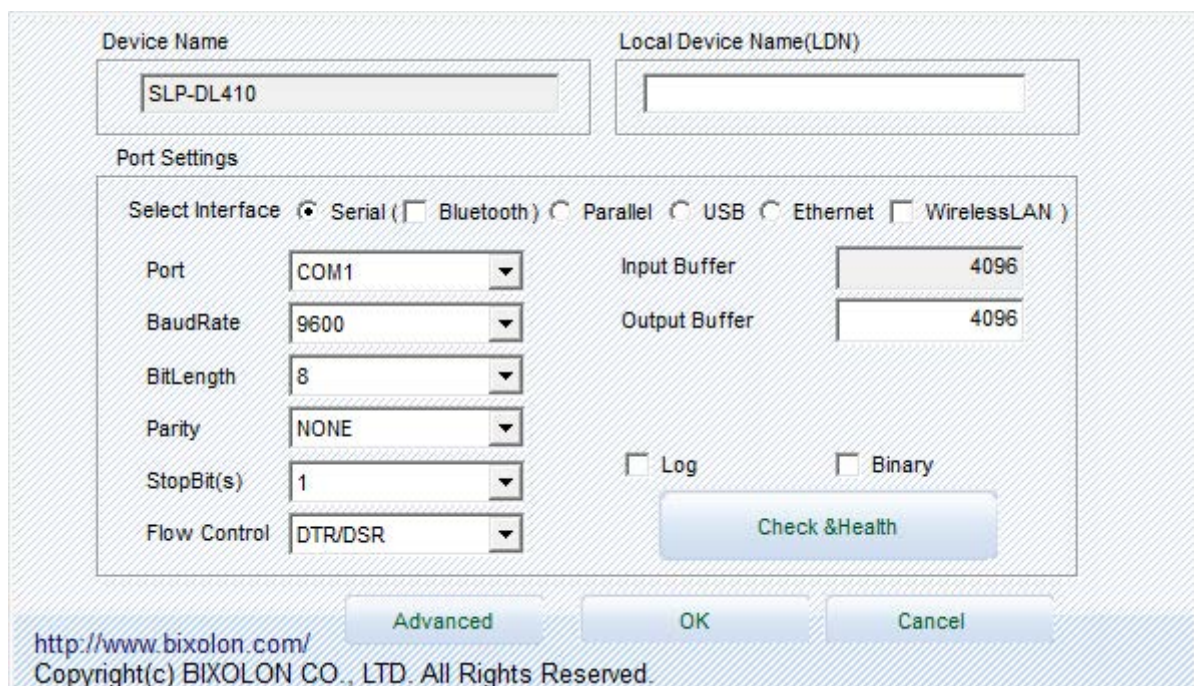
## 1-5 Label Printer Registration

1) Click "Add Device" button.



2) Select "LabelPrinter" in Device Category.

3) Select the desired printer model from the Device List and select the "NEXT" button.



- 4) Set the communication environment of the connected printer and click "SAVE" button.
- 5) Click "Advanced" button to set values related to advanced settings.

The screenshot shows a configuration window for a printer. It is divided into two main sections. The top section contains four dropdown menus: 'Print Mode' set to 'Direct thermal', 'Media Type' set to 'Smart Calibration', 'Operation Mode' set to 'Tear Off', and 'Print Orientation' set to 'Top to Bottom'. To the right of these are three numeric input fields with up/down arrows: 'Offset adjust' set to 0 (range -100 to 100), 'TearOff adjust' set to 0 (range -100 to 100), and 'Cutting Period' set to 1 (range 1 to 10). The bottom section is divided into two columns. The left column has four numeric input fields with units: 'Paper Width' (864 dots), 'Paper Length' (1216 dots), 'Left margin' (0 dots), and 'Top Margin' (0 dots). The right column has three numeric input fields with units: 'Speed' (3, range 0 to 6), 'Density' (14, range 1 to 20), and 'HRI Size' (1, range 1 to 4). Below these is a checkbox labeled 'RightToLeft' which is currently unchecked. At the bottom of the window are three buttons: 'Default', 'SAVE', and 'CANCEL'.

- 6) Set label printer and label paper configuration.
- 7) If the "CheckHealth" button is selected and the following screen is displayed, communication with the printer is normally connected.

### <LabelPrinter CheckHealth Dialog >

The screenshot shows a dialog box titled 'Printer Check Health : - Interactive -SRP-E770III'. It has a standard Windows window with a close button. The dialog is divided into two main panels. The left panel contains a 'Print' button and a 'Print Result' area. The right panel, titled 'Printer Status Property', shows 'Power State: Online' and two checkboxes, 'Cover Open' and 'Paper Empty', both of which are unchecked. Below these panels, there is a text area containing the following information: 'ServiceObjectDescription: BIXOLON UPOS ServiceObject, Copyright (c) 2013. BIXOLON.', 'ServiceObjectVersion: 1.13.0', 'DeviceDescription: BIXOLON SRP-E770III LabelPrinter', and 'DeviceName: SRP-E770III'. An 'Exit' button is located at the bottom right of the dialog.



### Note

The Label printer does not support status check in Real time, once the printer gets print command, the status check will proceed.

### 1-6 Port range setting

- If port number supported by system does not appear when setting up device's communication, set the range of port number from the screen below that appears by selecting the "Set Port Range" button on the main screen of Setup Utility.

Serial ports Range  (1 - 50)

Parallel ports Range  (1 - 10)

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#### Note

If select the port that the system doesn't have, the device won't operate.

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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".

## Revision history

[illegible]