BIXOLON

Software Manual

Web Print SDK(Windows)

Ver 1.27

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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”.

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1. Manual Guide

This manual contains the information needed to create applications in using BIXOLON's label printers, POS printers and mobile printers with the BIXOLON Web Print SDK.

Those who are using the Web Print SDK are recommended to carefully read the instructions in this manual prior to use.

2. Web Print SDK Overview

2-1 Features

• The Web Print SDK enables to easily control of BIXOLON printer more acccessible on web application.

2-2 Terminology

• JSON: An abbreviation for JavaScript Object Notation, a lightweight data-interchange format to send and receive simple data with.

2-3 Supported OS

Microsoft Windows 7 (32bit/64bit)
Microsoft Windows 8 (32bit/64bit)
Microsoft Windows 10 (32bit/64bit)
Microsoft Windows 11 (64bit)

2-4 Supported Interface

• USB, Serial, Parallel, Bluetooth, Wi-Fi, Ethernet

2-5 Supported Web Browser

• jQuery and XmlHttpRequest Object-enabled web browsers

Recommended Browsers
- Chrome
- Edge

2-6 Supported printer models

2-6-1 POS Printer

SRP-S300 / SRP-S320 / SRP-S300II
SRP-Q300 / SRP-Q302 / SRP-Q300II
SRP-380 / SRP-382 / SRP-383
SRP-330 / SRP-330II / SRP-332II / SRP-330III / SRP-332III
SRP-F310II / SRP-F312II / SRP-F313II
SRP-350plusIII / SRP-352plusIII / SRP-350III / SRP-352III
SRP-275III
SRP-S3000
SRP-Q200
SRQ-QE300 / SRP-QE302
SRP-B300 / SRP-B300II
SRP-E300 / SRP-E302
SRP-G300
SRP-350V / SRP-352V
SRP-350plusV / SRP-352plusV
SRP-380plus / SRP-382plus
G30

2-6-2 Label Printer

SLP-TX400 / SLP-TX403
SLP-TX420 / SLP-TX423
SLP-TX220 / SLP-TX223
SLP-DX420 / SLP-DX423
SLP-DX220 / SLP-DX223
SLP-DL410 / SLP-DL413
SLP-T400 / SLP-T403
SLP-D420 / SLP-D423
SLP-D220 / SLP-D223
SRP-770III / SRP-E770III
XT5-40(RFID) / XT5-43(RFID) / XT5-46(RFID)
XL5-40CT / XL5-43CT
XD5-40d / XD5-43d / XD5-40IId / XD5-43IId
XD5-40t(RFID) / XD5-43t(RFID) / XD5-40IIt / XD5-43IIt
XD7-20d
SRP-S3000_LABEL
XD3-40d / XD3-40t
SRP-E770III
XT3-40 / XT3-43
XF3-40
XT6-60N / XT6-63N
BT3-40 / BT3-43
BT5-40 / BT5-43 / BT5-46
BD5- 40d / BD5-40t / BD5-43d / BD5-43t

2-6-3 Mobile Receipt Printer

SPP-300
SPP-R200III
SPP-R310
SPP-R410
SPP-R210
SPP-R220
SPP-R230
SPP-C200
SPP-C300

2-6-4 Mobile Label Printer

SPP-L3000
XM5-30
XM7-40(RFID) / XM7-20 / XM7-30
SPP-L310 / SPP-L410

2-6-5 B-gate

BGT-100P / BGT-102P
SRP-Q300H / SRP-Q302H
SRP-S300H / SRP-S320H
SRP-F310IIH / SRP-F312IIH

2-6-6 Kiosk

BK3-31 / BK3-21 / BK5-3 / BK5-4

3. Web Print SDK Installation

3-1 Overview

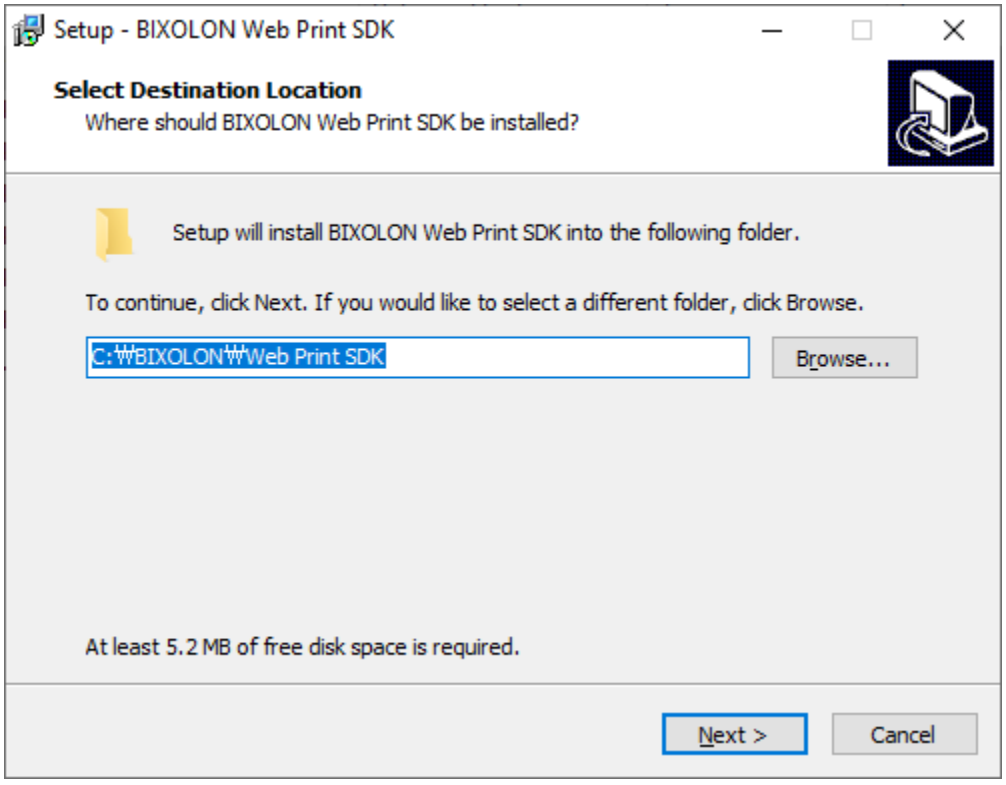
• You can install the Web Print SDK and set up the printer to be connected to the PC, and enable the necessary settings to run the web server included in the Web Print SDK.

3-2 Installation and Uninstallation of Web Print SDK

3-2-1 Installation

1) Run the Software_BIXOLON_Web_Print_SDK_Setup_Vx.x.x.exe file and follow the prompts to proceed with the installation.

2) After completing installation, click 'Finish'.

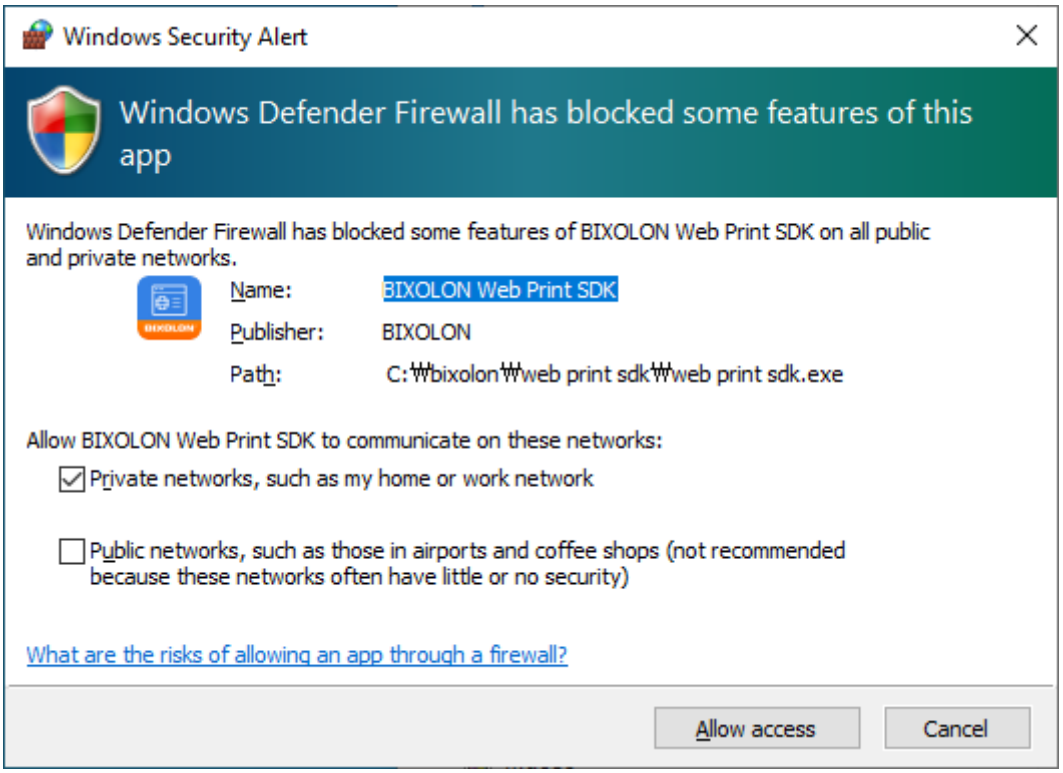


3) Please run 'Web Print SDK.exe' registered in the desktop or start menu.



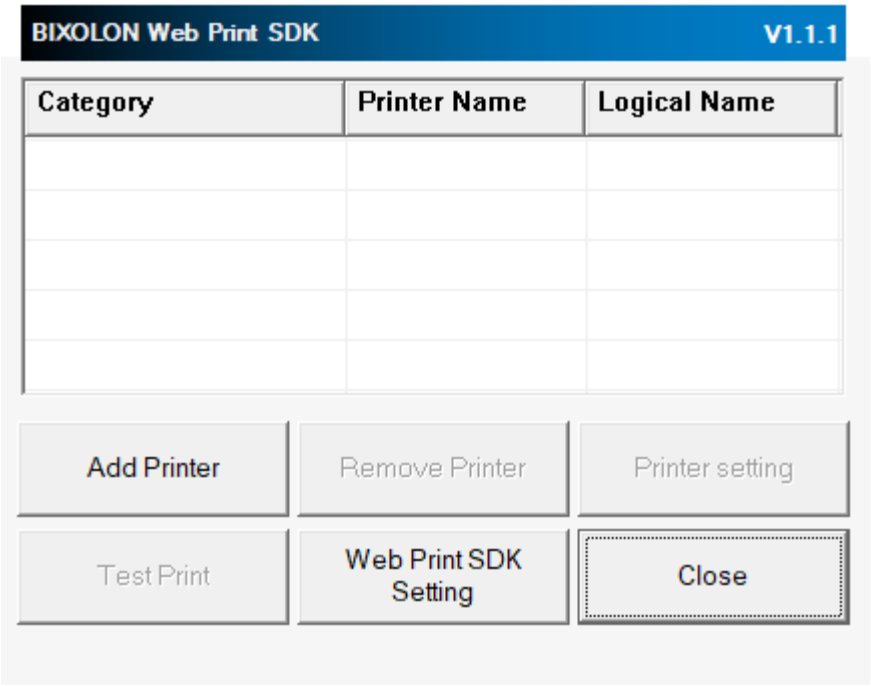
Web Print SDK

4) If a firewall setting screen is displayed as below, click 'Allow access'.



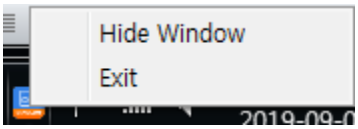
If you do not allow access at the firewall, the Web Print SDK may not operate normally.

5) The following screen is displayed as the Web Print SDK is running.



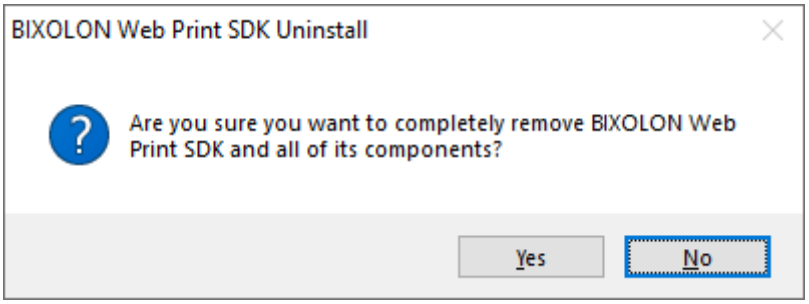
3-2-2 Uninstallation

Exit the currently running Web Print SDK before uninstalling the Web Print SDK.
To exit the Web Print SDK, right-click on the tray icon at the bottom right of the screen and Click 'Exit'.

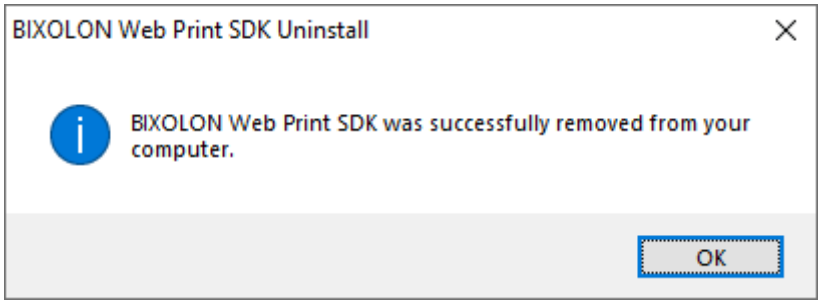


If you do not exit the Web Print SDK, it will not be uninstalled normally.

1) Select 'Uninstall BIXOLON Web Print SDK' from 'Start' - 'Programs' - 'BIXOLON Web Print SDK' or delete 'BIXOLON Web Print SDK' from 'Control Panel' - 'Add / Remove Programs'. When the uninstallation screen is displayed, follow the prompts and click the button.



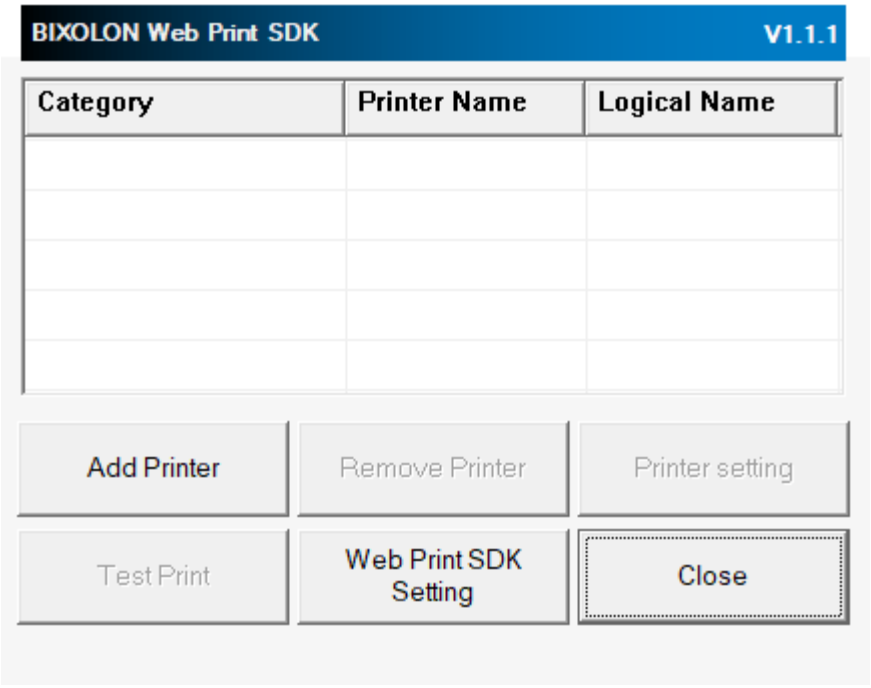
2) In case of normal uninstallation, the following message window appears. Click "OK."



Default installation path: C:\BIXOLON\Web Print SDK

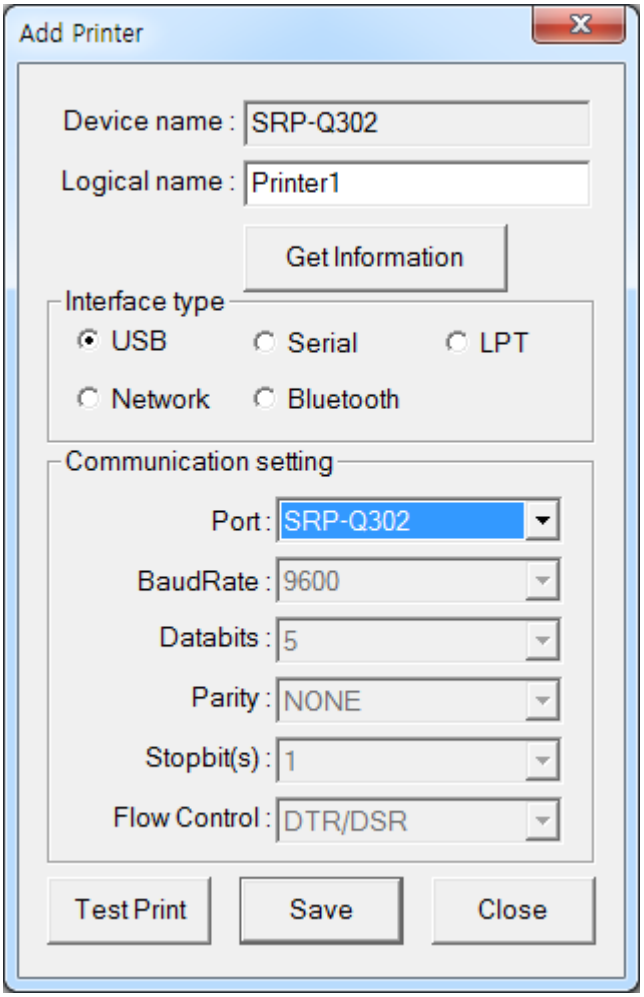
3-3 Printer Settings

• You can set the printer to be used by Web Print SDK. The printer must be connected to a PC running the Web Print SDK. You can add a printer and modify/delete settings of registered printers.



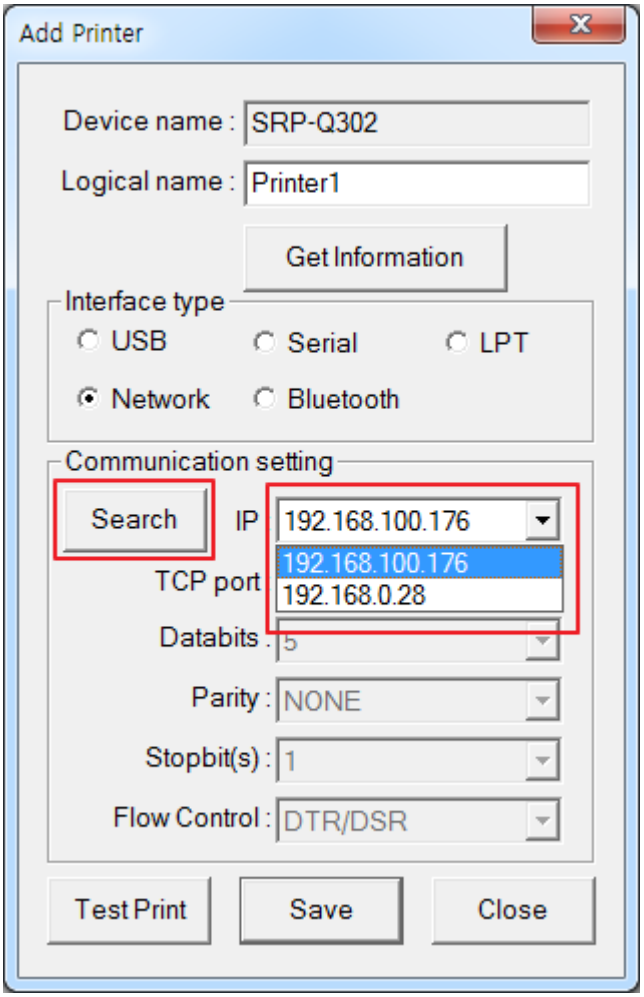
3-3-1 Add printer

1) Click 'Add Printer'.
Specify 'Logical name', configure the communication settings of the connected printer, and click 'Save'.



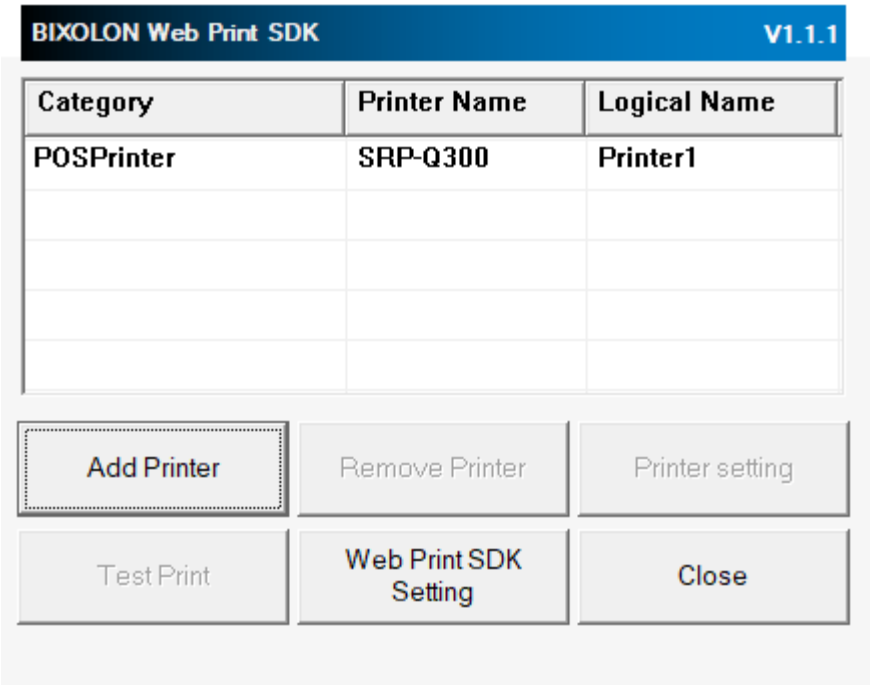
- If ‘Logical name’ is not specified, the printer cannot be used in web application.
- If USB is selected when there is no USB connected printer, the message ‘No printers connected ' is displayed and 'Serial' is selected.

2) If you click 'Search' button for 'Ethernet' communication setting, the IP address of the printer in the same network with the PC is displayed. If the printer's IP is not displayed, you can enter it manually.



Name	Description
Logical name	The name of the printer to which the web application will request printing.
Device name	The name of the physical device.
Interface type	Interface of the connected printer.
Port	USB: Display the name of the connected printer or USB information. Serial or Bluetooth: Select COM port. LPT: Select LPT port. Ethernet: IP address.
Test Print	Print test of the currently connected printer.

3) After completing the printer setup, the list of registered printers appears as below.



3-3-2 Delete printer

Select the printer to be deleted from the printer list, and then click 'Remove Printer'.
The selected printer will be deleted from the list.

3-3-3 Modify printer settings

Select the printer to be modified from the printer list and click 'Printer setting'.
The same screen as ‘Add printer’ is displayed.

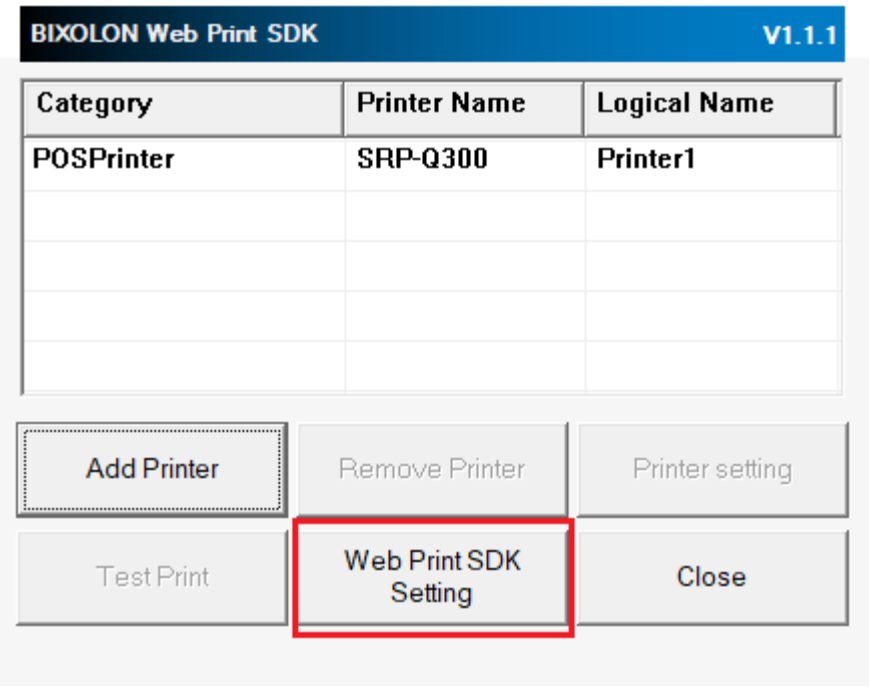
3-3-4 Print test

Select the printer to be tested from the printer list and click 'Test Print'.
Check whether the printer prints, or not.

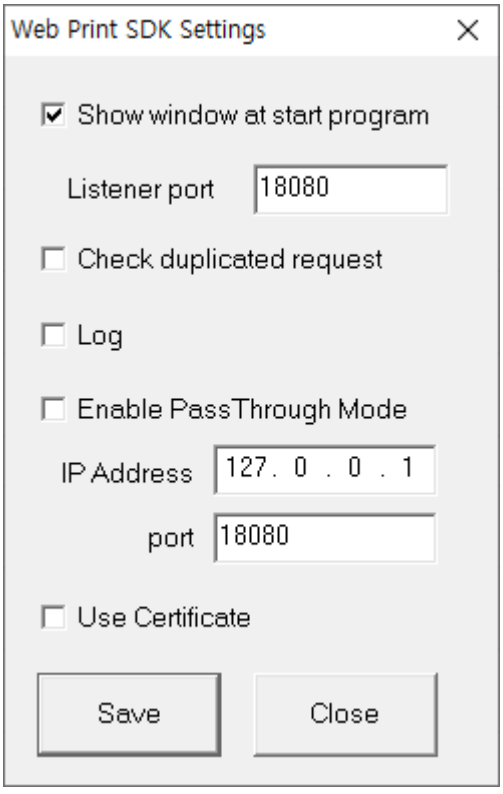
If printing does not work, check the communication settings.

3-4 Web Print SDK Configuration

• You can configure the Web Print SDK.



The Web Print SDK setting is applied when re-running after saving.



3-4-1 Show window at start program

You can set whether to show the Web Print SDK window.
When the window is not visible, it is displayed as a Tray icon. The default is set to ‘Show window at start program’.

3-4-2 Set the listening port

You can set the listening port of the Web Print SDK. Listening port is the port number on which the Web Print SDK handles data requests of the web application.
The default value is 18080.

- Please restart Web Print SDK after changing Port.
- To exit the Web Print SDK, right-click on the tray icon at the bottom right of the screen and Click 'Exit'.
- If you do not restart the Web Print SDK, the changed port may not be applied.

3-4-3 Check duplicated request

If a web browser requests duplicated data, it can be checked by the Web Print SDK.
The default value is ‘Uncheck duplicated request’.

3-4-4 Log

You can record the log of Web Print SDK. The default value is ‘disabled’.

The log file is located in “C:\BIXOLON\Web Print SDK\Log”

3-4-5 Use Certificate

Secure Socket Layer (SSL) is used.

If the certificate is used, HTTPS / WSS request should be used.
If the certificate is not used, HTTP / WS request should be used instead.

4. Web Print SDK Notes

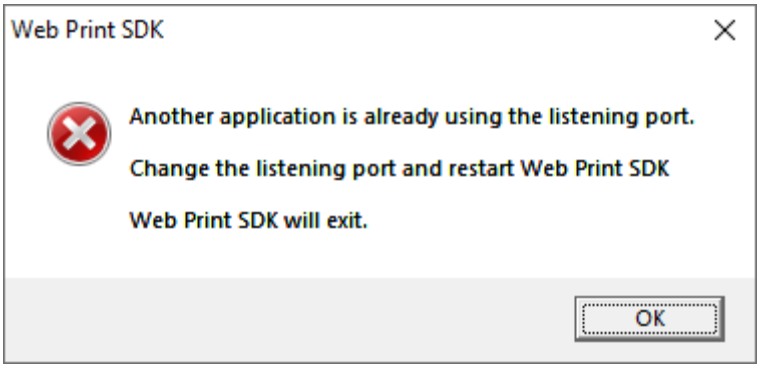
4-1 Overview

• This is for running the Web Print SDK and for existing Web Driver users.

4-2 Web Print SDK Precautions

4-2-1 Port Number Duplicate

1) If another application uses the same port number as the port number used by the Web Print SDK, the following message is printed and the program will not run.



2) Change the ListenPort value of the mPrintBrowser.ini file in the Web Print SDK installation folder, or exit another application that uses a duplicate port number.

- From Web Print SDK, the default listen port is 18080.
- Be careful not to duplicate with other programs.

4-2-2 Get setting values and printer information from the 'Web Driver'

To use setting values and printer information for your existing Web Driver in the Web Print SDK, please copy the webdriver.ini file in the existing Web Driver installation folder to the Web Print SDK installation folder.



If the installation folder does not contain in file, the program will not run.

Revision history

Ver.	Date	Description
1.00	11-09-2019	New
1.01	02-10-2019	Change model name(XL5-40 ->XL5-40CT)
1.02	31-10-2019	Add model: XM7-40 Delete printer type description
1.03	03-03-2020	Add mode: XM7-20
1.04	04-09-2020	Add model: SLP-TX400R, XT5-40NR, XD5-40tR
1.05	11-09-2020	Add model: SRP-S320
1.06	16-10-2020	Add model: SRP-S3000, SRP-S3000_LABEL
1.07	28-01-2021	Add mode: SRP-B300
1.08	28-05-2021	Add model: BK3-31, SRP-330, SRP-330II, SRP-350III, SRP-352III, SRP-E300, SRP-E302, SLP-T400, SLP-T403, SLP-D420, SLP-D423, SLP-D220, SLP-D223, SRP-770III, SRP-E770III Change capture : capture with mPrint Server -> capture with Web Print SDK
1.09	27-08-2021	1. Add model: XT3-40 XT3-43, XM7-40R, XD3-40d, XD3-40t, BK3-21, SPP-L310, SPP-L410, SPP-R210, SPP-R220 2. Support Secure Socket Layer(SSL)
1.10	05-11-2021	1.Add model: SPP-C200
1.11	23-11-2021	1.Add Model: SPP-C300
1.12	02-12-2021	1.Add Model: XF3-40
1.13	20-04-2022	1.Add Model: XM7-30
1.14	23-05-2022	1.Add Model: SRP-330III, SRP-332III 2. Modify Recommended Browsers(IE11 removed)
1.15	22-06-2022	1.Add Model: SRP-350V, SRP-352V, SRP-350plusV, SRP-352plusV
1.16	21-07-2022	1.Add Model: SRP-380II, SRP-382II
1.17	27-03-2023	1.Add Model: G30 2. Change Screen Image of Web Print SDK Settings(Page 16)
1.18	11-10-2023	1. Add Model: SRP-Q300II
1.19	03-06-2024	1.Add Model: SRP-S300II 2. Modify supported OS (Windows11 added)
1.20	21-10-2024	1. Add Model: XD5-40IId, XD5-43IId, XD5-40IIt, XD5-43IIt
1.21	12-18-2024	1. Change model name(SRP-380II, SRP-382II->SRP-380plus, SRP-382plus) 2. Add Model: BK3-31, BK3-21, BK5-3
1.22	03-07-2025	1. Add Model: XT6-60N, XT6-63N, XM5-30
1.23	05-03-2025	1. Add Model: SRP-G300, BK5-4
1.24	25-04-2025	1. Add Model: SRP-B300II, BT3-40, BT3-43, BT5-40,

		BT5-43, BT5-46, BD5- 40d, BD5-40t, BD5-43d, BD5-43t
1.25	12-08-2025	1. Add Model: XD7-20d
1.26	05-11-2025	1. Add Model: SPP-300
1.27	04-03-2026	1. Add Model: SPP-R230