# mPrint Browser

## Table of Contents

1. **Manual Guide** ....................................................................................................................... 3

2. **mPrint Browser Overview** ................................................................................................... 3  
   2-1 Features............................................................................................................................ 3  
   2-2 Terminology ...................................................................................................................... 3  
   2-3 Supported O/S & Web Browser ........................................................................................ 3  
      2-3-1 Windows ............................................................................................................... 3  
      2-3-2 Web Browser ........................................................................................................ 3  
   2-4 Supported printer models.................................................................................................. 4  
      2-4-1 Label printer ......................................................................................................... 4  
      2-4-2 POS printer ......................................................................................................... 4  
      2-4-3 Mobile printer ...................................................................................................... 4  
      2-4-4 B-gate ................................................................................................................... 4  

3. **mPrint Browser Installation** ................................................................................................ 5  
   3-1 Overview........................................................................................................................... 5  
   3-2 Installation and Uninstallation of mPrint Browser .............................................................. 5  
      3-2-1 Installation ............................................................................................................ 5  
      3-2-2 Uninstallation ........................................................................................................ 8  
   3-3 Printer Settings ................................................................................................................. 9  
      3-3-1 Add printer .......................................................................................................... 10  
      3-3-2 Delete printer ...................................................................................................... 13  
      3-3-3 Modify printer settings ......................................................................................... 13  
      3-3-4 Print test ............................................................................................................. 13  
   3-4 mPrint Browser Configuration ......................................................................................... 14  
      3-4-1 Show window at start program ........................................................................... 15  
      3-4-2 Set the listening port ........................................................................................... 15  
      3-4-3 Check duplicated request ................................................................................... 15  
      3-4-4 Log...................................................................................................................... 15  

4. **mPrint Browser Notes** ....................................................................................................... 15  
   4-1 Overview........................................................................................................................... 15  
   4-2 mPrint Browser Precautions ........................................................................................... 15  
      4-2-1 Port Number Duplicate ..................................................................................... 15  
      4-2-2 Get setting values and printer information from the ‘Web Driver’ ...................... 16
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 mPrint Browser.

Those who are using the mPrint Browser are recommended to carefully read the instructions in this manual prior to use.

2. mPrint Browser Overview

2-1 Features
• The mPrint Browser enables to easily control a BIXOLON printer from a web browser.

2-2 Terminology
• BIXOLON Label SDK: SDK used in mPrint Browser to control the label printer
• B-gate SDK: SDK used to control POS printer and mobile printer in mPrint Browser
• JSON: An abbreviation for JavaScript Object Notation, a lightweight data-interchange format to send and receive simple data with.

2-3 Supported OS & Web Browser

2-3-1 Windows
Microsoft Windows XP (32bit/64bit)
Microsoft Windows VISTA (32bit/64bit)
Microsoft Windows 7 (32bit/64bit)
Microsoft Windows 8 (32bit/64bit)
Microsoft Windows 10 (32bit/64bit)

2-3-2 Web Browser
jQuery and XmlHttpRequest Object-enabled web browser
  - IE10 or later
  - Edge
  - Chrome

Note
var xmlHttpCheck = false;
  if (window.XMLHttpRequest) {
    xmlHttpCheck = new XMLHttpRequest();
  }

Ver. 1.01 - 3 -
2-4 Supported printer models

2-4-1 Label printer

SLP-TX400 / SLP-TX403 / SLP-TX420 / SLP-TX423 / SLP-TX220 / SLP-TX223
SRP-770III / SRP-E770III
XT5-40 / XT5-43 / XT5-46
XL5-40 / XL5-43
XD5-40d / XD5-43d
SPP-L3000
SPP-L310 / SPP-L410

2-4-2 POS printer

SRP-S300
SRP-Q200
SRP-Q300 / SRP-Q302 / SRP-QE300 / SRP-QE302
SRP-380 / SRP-382 / SRP-383
SRP-F310II / SRP-F312II / SRP-F313II
SRP-350III / SRP-352III / SRP-350plusIII / SRP-352plusIII
SRP-330II / SRP-332III / SRP-340II / SRP-342II
SRP-E300 / SRP-E302
SRP-275III

2-4-3 Mobile printer

SPP-R210 / SPP-R220 / SPP-R200III
SPP-R310
SPP-R410 / SPP-R400II

2-4-4 B-gate

BGT-100P / BGT-102P
SRP-Q300H / SRP-Q302H
SRP-S300H
SRP-F310IIH / SRP-F312IIH
3. mPrint Browser Installation

3-1 Overview
• You can install the mPrint Browser and set up the printer to be connected to the PC, and enable the necessary settings to run the web server included in the mPrint Browser.

3-2 Installation and Uninstallation of mPrint Browser

3-2-1 Installation

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

2) After completing installation, click 'Finish'.
3) Please run 'mPrint Browser.exe' registered in the desktop or start menu.

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

![Windows Security Alert]

If you do not allow access at the firewall, the mPrint Browser may not operate normally.
5) The following screen is displayed as the mPrint Browser is running.
3-2-2 Uninstallation

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

⚠️ Caution If you do not exit the mPrint Browser, it will not be uninstalled normally.

1) Select 'Uninstall BIXOLON mPrint Browser' from 'Start' - 'Programs' - 'BIXOLON mPrint Browser' or delete 'BIXOLON mPrint Browser' 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."
3) In case of abnormal uninstalling, the following message window appears. Select "OK". In this case, find the installation folder of mPrint Browser and delete the remaining files.

![Uninstall Message]

**Note**
Default installation path: C:\BIXOLON mPrint Browser
3-3 Printer Settings

- You can set the printer to be used by mPrint Browser. The printer must be connected to a PC running the mPrint Browser. You can add a printer and modify/delete settings of registered printers.

<table>
<thead>
<tr>
<th>Category</th>
<th>Printer Name</th>
<th>Logical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Add Printer  Remove Printer  Printer setting
Test Print  mPrint Browser setting  Close

Copyright © BIXOLON Co., Ltd.
3-3-1 Add printer

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

- Caution - If 'Printer Type' is different from the connected printer, it may not operate normally. Choose the right product for your BIXOLON product line.
- 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.

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printer Type</td>
<td>The printer type is displayed.</td>
</tr>
<tr>
<td>Logical name</td>
<td>The name of the printer to which the web application will request printing.</td>
</tr>
<tr>
<td>Device name</td>
<td>The name of the physical device.</td>
</tr>
<tr>
<td>Interface type</td>
<td>Interface of the connected printer.</td>
</tr>
<tr>
<td>Port</td>
<td>USB: Display the name of the connected printer or USB information.</td>
</tr>
<tr>
<td></td>
<td>Serial or Bluetooth: Select COM port.</td>
</tr>
<tr>
<td></td>
<td>LPT: Select LPT port.</td>
</tr>
<tr>
<td></td>
<td>Ethernet: IP address.</td>
</tr>
<tr>
<td>Test Print</td>
<td>Print test of the currently connected printer.</td>
</tr>
</tbody>
</table>
3) After completing the printer setup, the list of registered printers appears as below.

<table>
<thead>
<tr>
<th>Category</th>
<th>Printer Name</th>
<th>Logical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>LabelPrint</td>
<td>SLP-DX220</td>
<td>Printer1</td>
</tr>
</tbody>
</table>

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.

⚠️ **Caution** If printing does not work, check the communication settings.
3-4 mPrint Browser Configuration
• You can configure the mPrint Browser.

<table>
<thead>
<tr>
<th>Category</th>
<th>Printer Name</th>
<th>Logical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>LabelPrinter</td>
<td>SLP-DX220</td>
<td>Printer1</td>
</tr>
</tbody>
</table>

![mPrint Browser Configuration Diagram]

⚠️ Caution
The mPrint Browser setting is applied when re-running after saving.
3-4-1 Show window at start program

You can set whether to show the mPrint Browser 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 mPrint Browser. Listening port is the port number on which the mPrint Browser handles data requests of the web application. The default value is 18080.

Caution

- Please restart mPrint Browser after changing Port.
- To exit the mPrint Browser, right-click on the tray icon at the bottom right of the screen and click 'Exit'.
- If you do not restart the mPrint Browser, 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 mPrint Browser. The default value is ‘Uncheck duplicated request’.

3-4-4 Log

You can record the log of mPrint Browser. The default value is ‘disabled’.

Note

The log file is located in ‘C:\BIXOLON mPrint Browser\Log’
4. mPrint Browser Notes

4-1 Overview
• This is for running the mPrint Browser and for existing Web Driver users.

4-2 mPrint Browser Precautions

4-2-1 Port Number Duplicate

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

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

Note
- From mPrint Browser, 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 mPrint Browser, please copy the webdriver.ini file in the existing Web Driver installation folder to the mPrint Browser installation folder.

⚠️ Caution ⚠️ If the installation folder does not contain ini file, the program will not run.
Copyright

© BIXOLON Co., Ltd. All rights reserved.

This user manual and all property of the product are protected under copyright law. It is strictly prohibited to copy, store, and transmit the whole or any part of the manual and any property of the product without the prior written approval of BIXOLON Co., Ltd. The information contained herein is designed only for use with this BIXOLON product. BIXOLON is not responsible for any direct or indirect damages, arising from or related to use of this information.

• The BIXOLON logo is the registered trademark of BIXOLON Co., Ltd.
• All other brand or product names are trademarks of their respective companies or organizations.

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

<table>
<thead>
<tr>
<th>Rev.</th>
<th>Date</th>
<th>Page</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>02.05.19</td>
<td>-</td>
<td>New</td>
</tr>
</tbody>
</table>
| 1.01 | 25.06.19 | 4,15 | - Information of supported printers added. (XL5-40, XL5-43, XD5-40d, XD5-43d, SRP-F312IIH)  
- Add caution that a program restart after port change |