



Software Manual

mPrint Server(Windows)

Ver. 1.03

<http://www.bixelon.com>

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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 mPrint Server.

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

2. mPrint Server Overview

2-1 Features

- The mPrint Server enables to easily control of BIXOLON printer more accessible 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 XP (32bit/64bit)
Microsoft Windows VISTA (32bit/64bit)
Microsoft Windows 7 (32bit/64bit)
Microsoft Windows 8 (32bit/64bit)
Microsoft Windows 10 (32bit/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
- Internet Explorer 11

2-6 Supported printer models

2-6-1 POS Printer

SRP-S300,
SRP-Q300 / SRP-Q302
SRP-380 / SRP-382 / SRP-383
SRP-F310II / SRP-F312II / SRP-F313II
SRP-350plusIII / SRP-352plusIII
SRP-275III

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
XT5-40 / XT5-43 / XT5-46
XL5-40CT / XL5-43CT
XD5-40d / XD5-43d
XD5-40t / XD5-43t

2-6-3 Mobile Receipt Printer

SPP-R200III
SPP-R310
SPP-R410

2-6-4 Mobile Label Printer

SPP-L3000
XM7-20 / XM7-40

2-6-5 B-gate

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

3. mPrint Server Installation

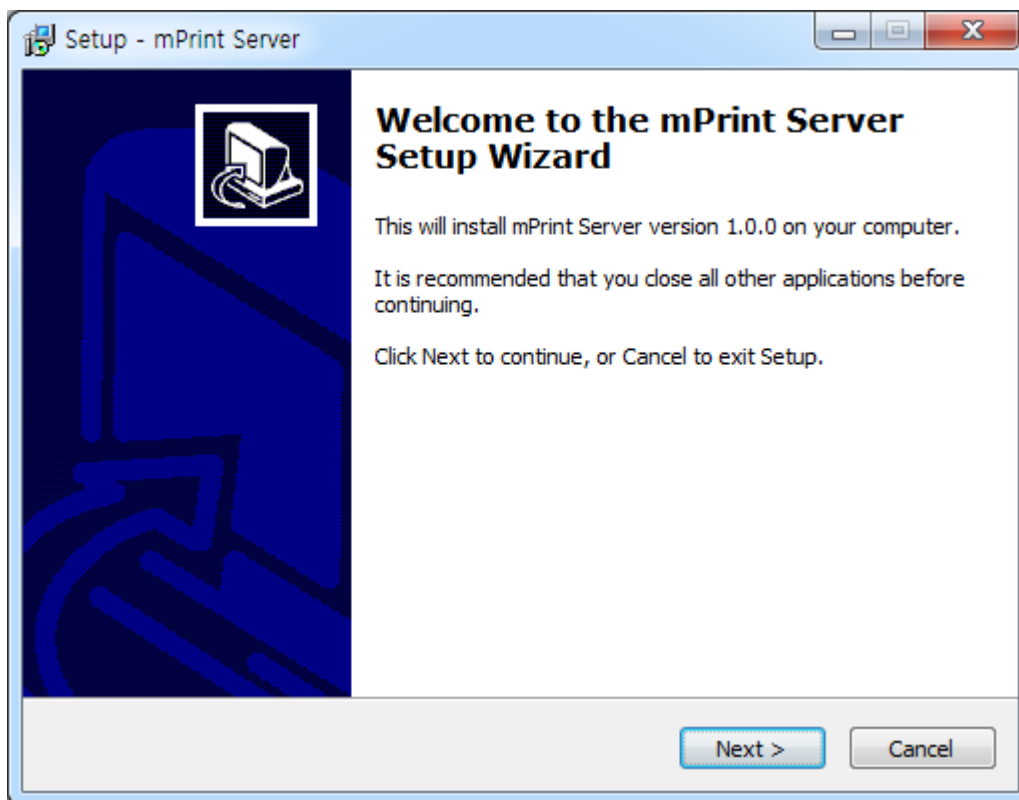
3-1 Overview

- You can install the mPrint Server 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 Server.

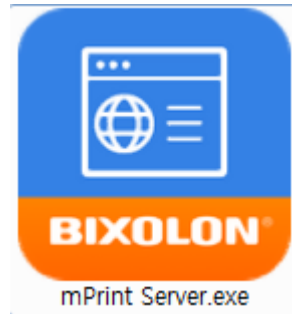
3-2 Installation and Uninstallation of mPrint Server

3-2-1 Installation

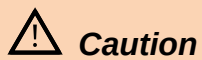
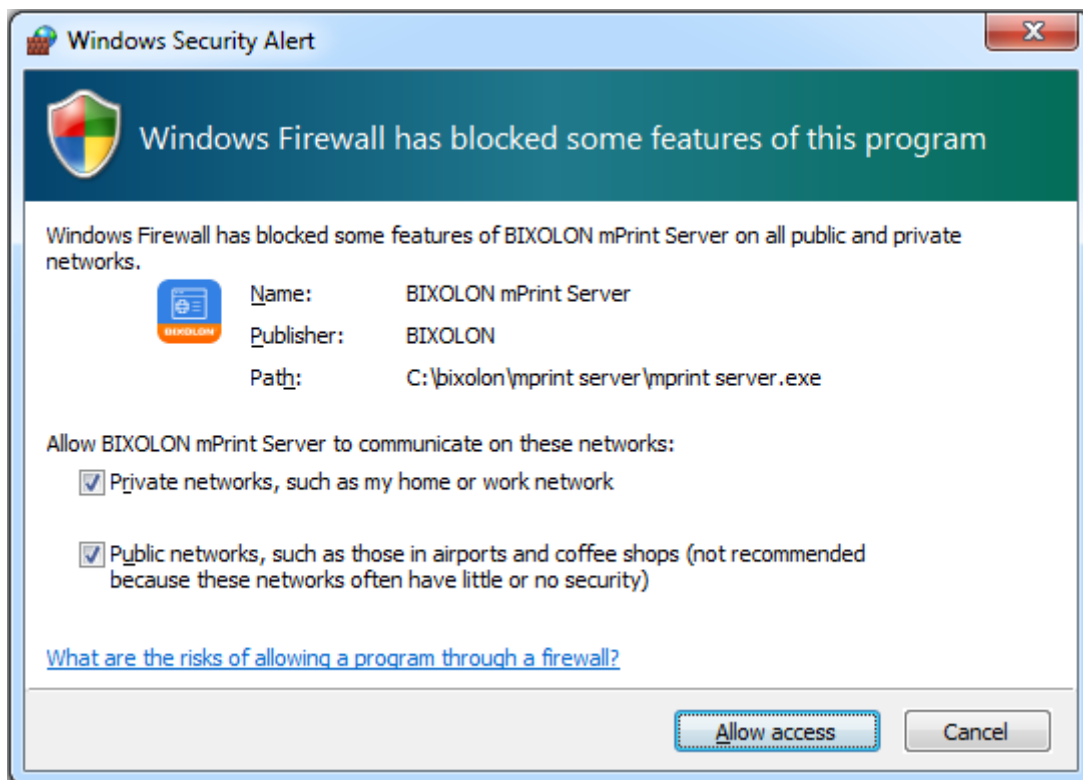
- 1) Run the Software_BIXOLON_mPrint_Server_Setup_Vx.x.x.exe file and follow the prompts to proceed with the installation.
- 2) After completing installation, click 'Finish'.



3) Please run 'mPrint Server.exe' registered in the desktop or start menu.

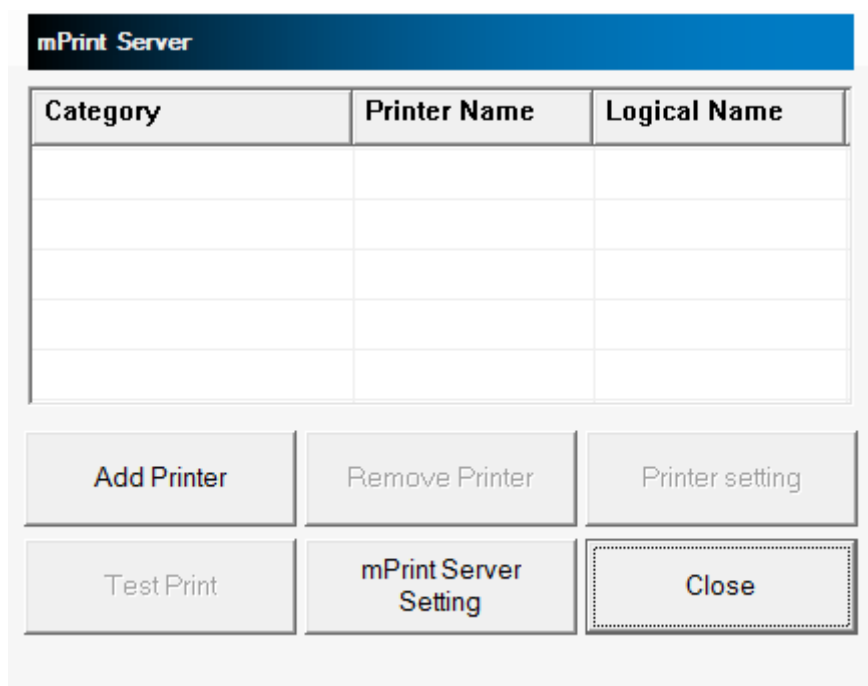


4) If a firewall setting screen is displayed as below, click 'Allow access'.



If you do not allow access at the firewall, the mPrint Server may not operate normally.

5) The following screen is displayed as the mPrint Server is running.



The screenshot shows the mPrint Server application window. It has a dark blue title bar with the text "mPrint Server". Below the title bar is a table with three columns: "Category", "Printer Name", and "Logical Name". The table is currently empty. Below the table are six buttons arranged in two rows. The first row contains "Add Printer", "Remove Printer", and "Printer setting". The second row contains "Test Print", "mPrint Server Setting", and "Close". The "Close" button has a dotted border.

Category	Printer Name	Logical Name

Add Printer

Remove Printer

Printer setting

Test Print

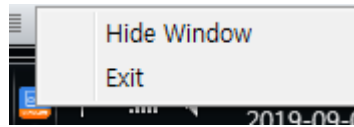
mPrint Server Setting

Close

3-2-2 Uninstallation

Exit the currently running mPrint Server before uninstalling the mPrint Server.

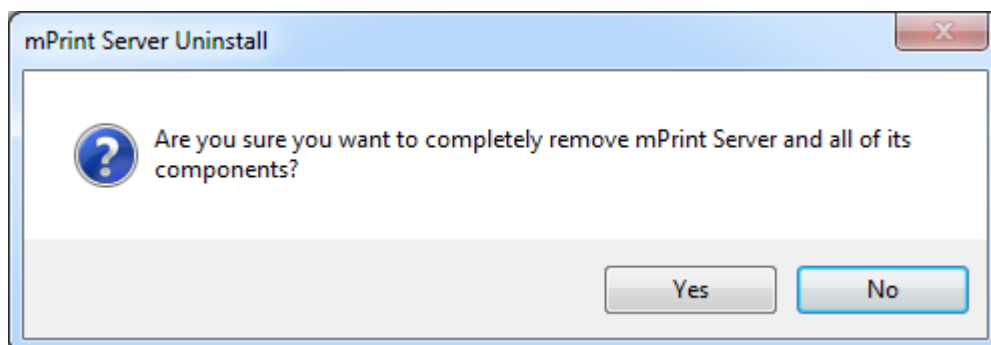
To exit the mPrint Server, right-click on the tray icon at the bottom right of the screen and Click 'Exit'.



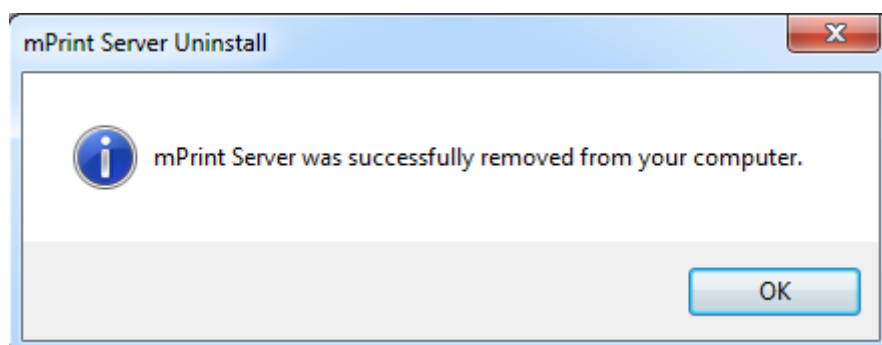
Caution

If you do not exit the mPrint Server, it will not be uninstalled normally.

- 1) Select 'Uninstall BIXOLON mPrint Server' from 'Start' - 'Programs' - 'BIXOLON mPrint Server' or delete 'BIXOLON mPrint Server' 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."



Note

Default installation path : C:\BIXOLON\mPrint Server

3-3 Printer Settings

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

mPrint Server

Category	Printer Name	Logical Name

Add Printer

Remove Printer

Printer setting

Test Print

mPrint Server Setting

Close

3-3-1 Add printer

1) Click 'Add Printer'.

Specify 'Logical name', configure the communication settings of the connected printer, and click 'Save'.

Device name : SRP-Q302

Logical name : Printer1

Get Information

Interface type

☒ USB ☐ Serial ☐ LPT

☐ Network ☐ Bluetooth

Communication setting

Port : SRP-Q302

BaudRate : 9600

Databits : 5

Parity : NONE

Stopbit(s) : 1

Flow Control : DTR/DSR

Test Print Save Close



Caution

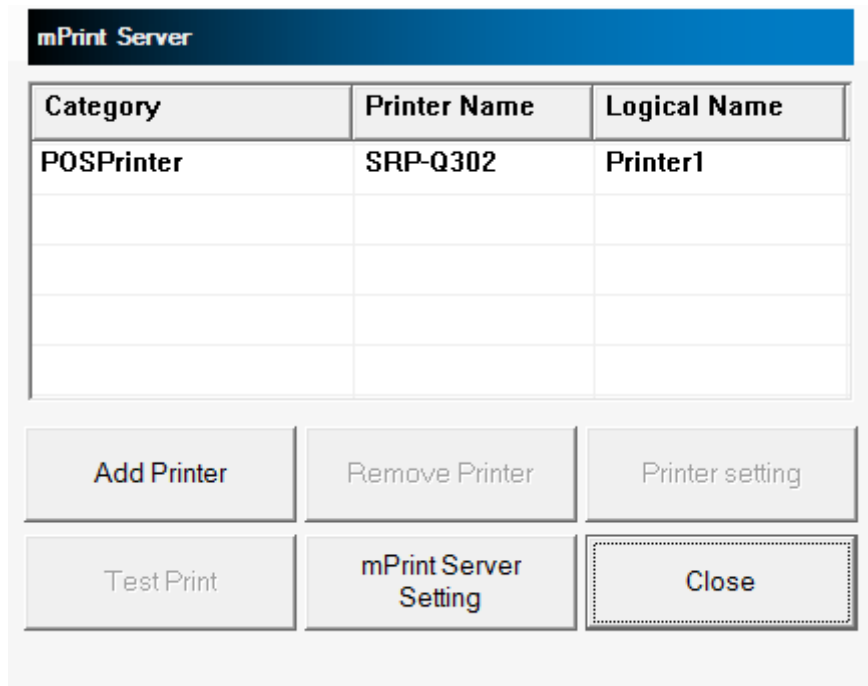
- If 'Logical name' is not specified, the printer cannot be used in web application.
- If USB is selected when there is no USB connected printer, the message 'No printers connected ' is displayed and 'Serial' is selected.

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.

The screenshot shows the 'Add Printer' window. The 'Device name' field contains 'SRP-Q302' and the 'Logical name' field contains 'Printer1'. Below these is a 'Get Information' button. The 'Interface type' section has radio buttons for 'USB', 'Serial', 'LPT', 'Network' (which is selected), and 'Bluetooth'. The 'Communication setting' section contains a 'Search' button (highlighted with a red box) and an 'IP' dropdown menu (also highlighted with a red box). The dropdown menu is open, showing a list of IP addresses: '192.168.100.176' (highlighted in blue), '192.168.100.176', and '192.168.0.28'. Other fields in the 'Communication setting' section include 'TCP port', 'Databits', 'Parity', 'Stopbit(s)', and 'Flow Control'. At the bottom of the window are three buttons: 'Test Print', 'Save', and 'Close'.

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.



The screenshot shows the 'mPrint Server' application window. It features a table with three columns: 'Category', 'Printer Name', and 'Logical Name'. The first row contains the data 'POSPrinter', 'SRP-Q302', and 'Printer1'. Below the table are six buttons arranged in two rows: 'Add Printer', 'Remove Printer', and 'Printer setting' in the first row; 'Test Print', 'mPrint Server Setting', and 'Close' in the second row. The 'Close' button is highlighted with a dashed border.

Category	Printer Name	Logical Name
POSPrinter	SRP-Q302	Printer1

Buttons: Add Printer, Remove Printer, Printer setting, Test Print, mPrint Server Setting, Close

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 mPrint Server Configuration

- You can configure the mPrint Server.

mPrint Server

Category	Printer Name	Logical Name
POSPrinter	SRP-Q302	Printer1

Add Printer

Remove Printer

Printer setting

Test Print

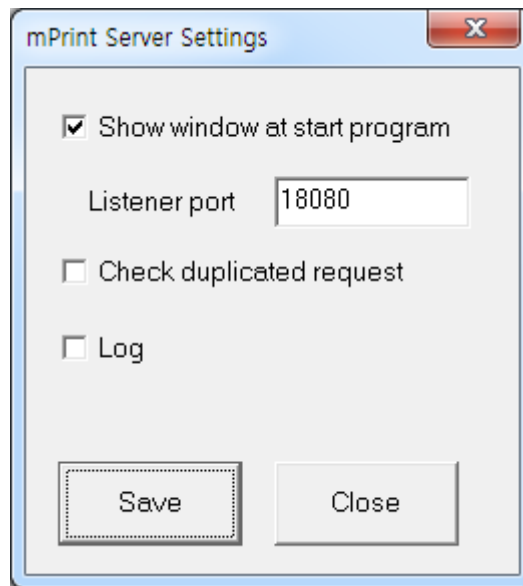
mPrint Server Setting

Close



Caution

The mPrint Server setting is applied when re-running after saving.



3-4-1 Show window at start program

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



Caution

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

3-4-4 Log

You can record the log of mPrint Server. The default value is 'disabled'.



Note

The log file is located in "C:\BIXOLON\mPrint Server\Log"

4. mPrint Server Notes

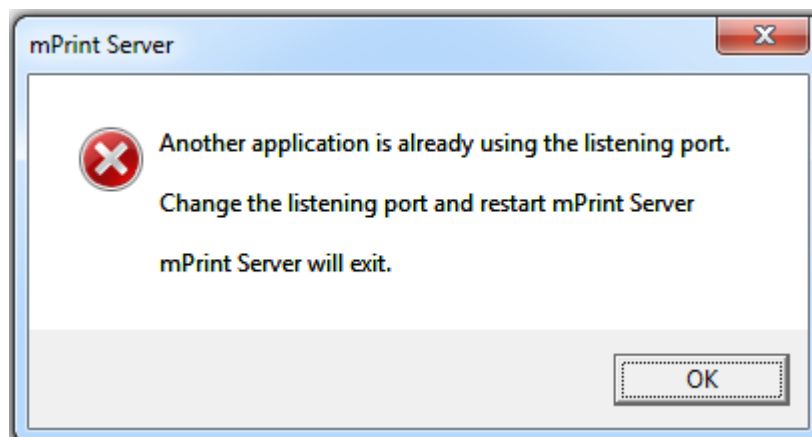
4-1 Overview

- This is for running the mPrint Server and for existing Web Driver users.

4-2 mPrint Server Precautions

4-2-1 Port Number Duplicate

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



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



Note

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

	logo.bmp	2012-11-19
	mPosPrinter.dll	2019-01-09
	WebDriver.exe	2019-01-15
	webdriver.ini	2019-04-23



Caution

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

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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]