
SmaPri Driver Developer Manual

Product Information

SATO CORPORATION

Rev.20240625

Contents

- Contents.....2**
- Attention3**
- Target version3**
- Chapter1: Product Information.....4**
- 1-1. Required hardware and software5
 - SmaPri Driver’s operating environment.....5
 - Supported printer models5
- 1-2. About SmaPri Driver6
 - Product overview6
- 1-3. How to use Format file (*.spfmtz).....7
 - Transfer Format file7
 - Copy to Device local storage ("__format_archive_url" parameter).....7
 - Download from server ("__format_archive_url" parameter).....7
 - File attach to request ("__format_archive_attach" parameter)8
 - File share (only iOS)8

Attention

- The copyright for this software is held by SATO CORPORATION.
- This software and this manual may not be copied or duplicated, whether partially or in their entirety, regardless of the form, without the permission of SATO CORPORATION.
- This software and this manual may only be used based on the product's license agreement.
- SATO CORPORATION bears no responsibility for the results of using this software and this manual.
- The content of this manual may be corrected or revised without prior notification.
- The utmost care has been taken with the content of this manual. However, if you discover some problem with the content or something otherwise unusual with the content, please contact SATO CORPORATION.

- SATO and SmaPri are registered trademarks and/or trademarks of SATO HOLDINGS CORPORATION.
- Other company names and product names listed in this manual are registered trademarks and/or trademarks of those respective companies.

Target version

SmaPri Designer	Version 2.7.0.0
SmaPri Driver (Android)	Version 1.21.0
SmaPri Driver (iOS)	Version 1.11.0
SmaPri Driver (Windows)	Version 1.3.3.0

Chapter:1

Product Information

1-1	<h2 style="margin: 0;">Required hardware and software</h2> <p style="margin: 0;">- SmaPri Driver’s operating environment - Connectable printer models</p>
------------	---

The following hardware and software are required to use SmaPri Driver.

- SmaPri Driver’s operating environment

Platform	Supported version	Communications
Android ^{*1}	Android 14, 13, 12, 11, 10, 9	Wi-Fi (TCP/IP), Bluetooth (SPP), USB
iOS	iOS 17, 16, 15	Wi-Fi (TCP/IP), Bluetooth (SPP) ^{*2}
Windows ^{*1}	Windows 11, 10	Wi-Fi (TCP/IP), Bluetooth (SPP), USB, Printer Driver ^{*3}

^{*1} Requests from sources other than localhost is not be accepted. A proxy-enabled network requires "localhost" (or 127.0.0.1) exception registration.

^{*2} Bluetooth connection is limited to MFi certification model (MFi model is only PW208/PW208NX series, PW4NX, CT4-LX, HC4-LX as of June 2024.).

^{*3} If use the Printer Driver, SmaPri Driver can not get the printer status.

- Supported printer models

Class	Model
Mobile printer	PW4NX, PW208/PW208NX series, PT408e/PT412e
Desktop printer	SCeaTa CT4-LX, L’esprit HC4-LX, FX3-LX Plus, FX3-LX, CL4NX-J Plus series, CL6NX-J Plus series, CL4NX-J series, CL6NX-J series, EV200R series, HA200R series, L'esprit V-ex series, RT308R, ST300R series
International model	PW4NX, PW208NX, MB400i/MB410i, CT4-LX, CL4NX Plus, CL6NX Plus, CL4NX, CL6NX, CG208/212/408/412, TG308/TG312, DR308e

1-2

About SmaPri Driver

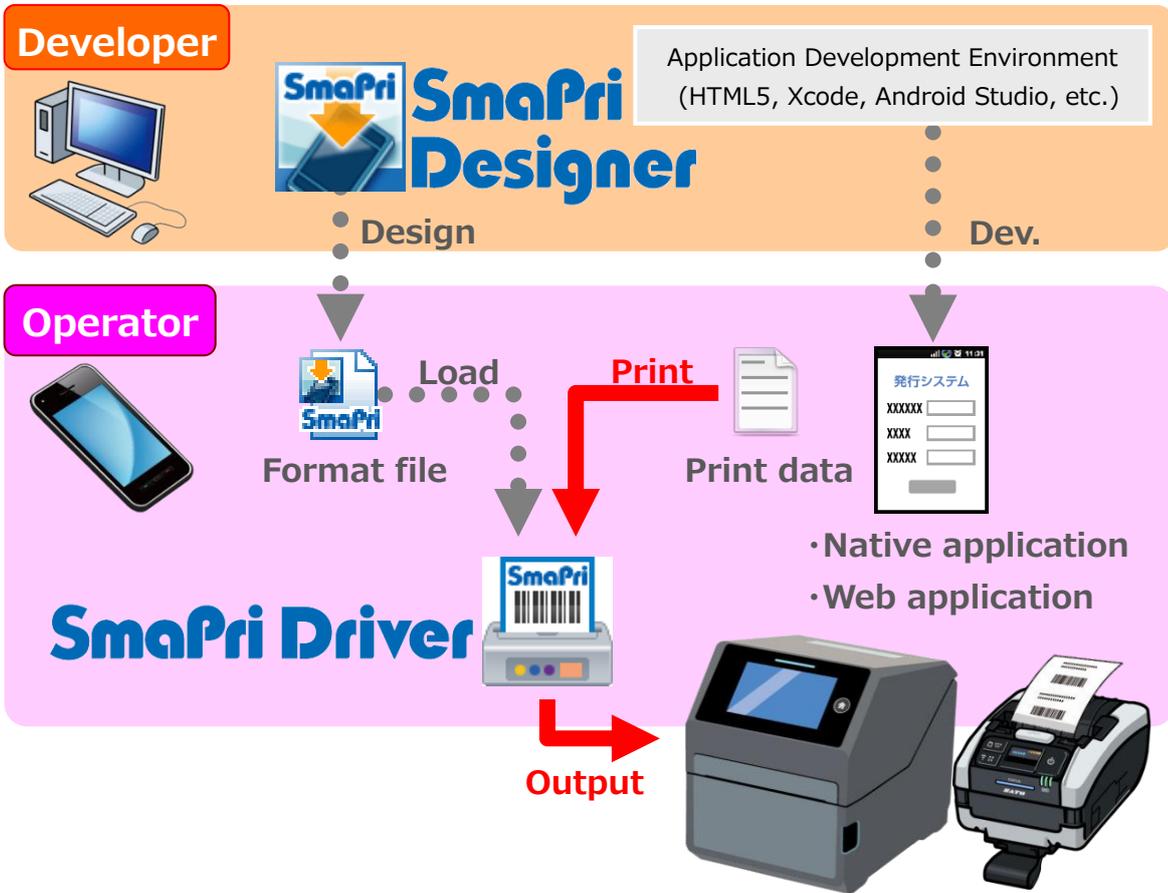
- Product overview

- Product overview

SmaPri Driver is application that runs on Android/iOS/Windows.

It receives requests (by HTTP / Custom URL Scheme), prints labels and checks the printer status, and returns the result as a response. To print labels, SmaPri Driver uses format files (*.spfmtz) created with SmaPri Designer.

SmaPri Driver generates printer command and commucate to the printer, so you do not need to implement control section in your application.

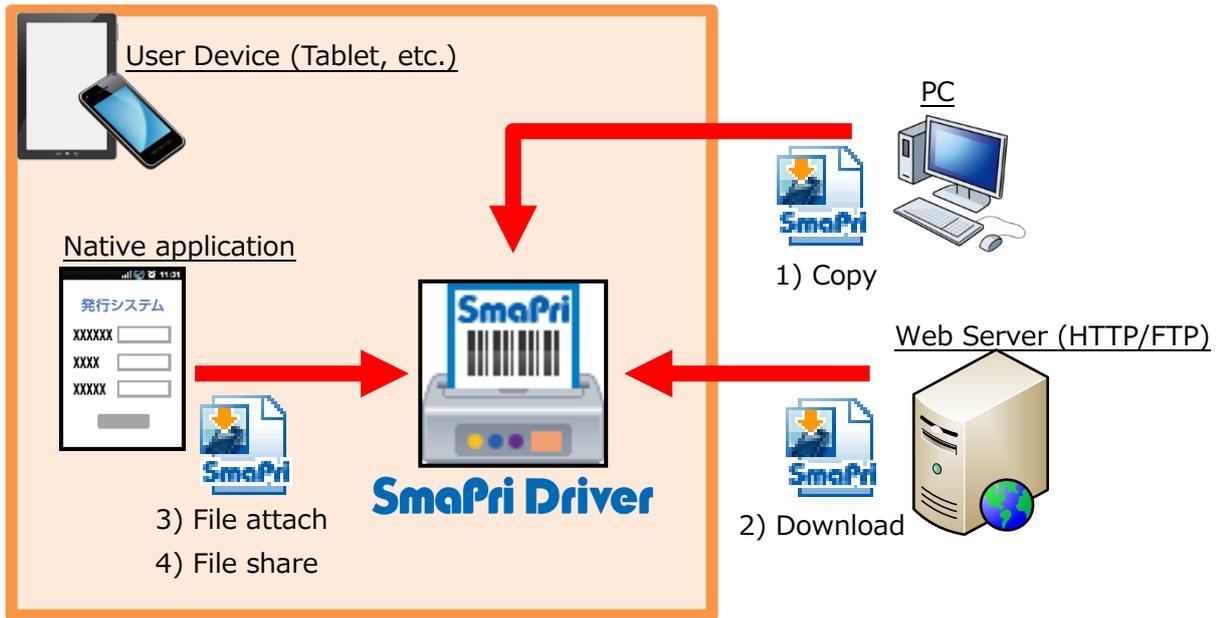


1-3 How to use Format file (*.spfmtz)
 - Transfer Format file - Copy - Attach - Download

- Transfer Format file

To print labels, the format file must be transferred to a user device via either of the following methods depending.

- 1) Copy to Device local storage. 2) Download from web server.
- 3) File attach to request. 4) File share.



- Copy to Device local storage ("__format_archive_url" parameter)

Specify the file path (file://) of format file copied to device local storage. This method is supposed to mainly use at the stand-alone application.

Please refer to the "Driver Settings" manual of the OS you are using.

- Download from server ("__format_archive_url" parameter)

Specify the format file URL (http://, https://, ftp://). SmaPri Driver will download the format file from server to register format. "*.spfmtz" MIME type registration to the Web server is required.

Please check the settings of the server.

File extension: .spfmtz

MIME type: application/octet-stream

- File attach to request ("__format_archive_attach" parameter)

This method is to include a format file data in the request. This method is supposed to mainly use at native applications. In the case of Web applications, you can transfer a format file with the specified FILE tag in FORM tag.

- File share (only iOS)

Register format by sending the format file to SmaPri Driver from another application (mail, browser, etc.). For details, refer to the "Driver Settings" manual.

Details of "__format_archive_attach" and "__format_archive_url" parameter, please refer to "Print Format" and "Register/get format" in the "HTTP manual" or "Custom URL scheme manual".
