
SmaPri Driver Developer Manual

Product Information

SATO CORPORATION

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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**Required hardware and software**

- SmaPri Driver's operating environment - Connectable printer models

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**

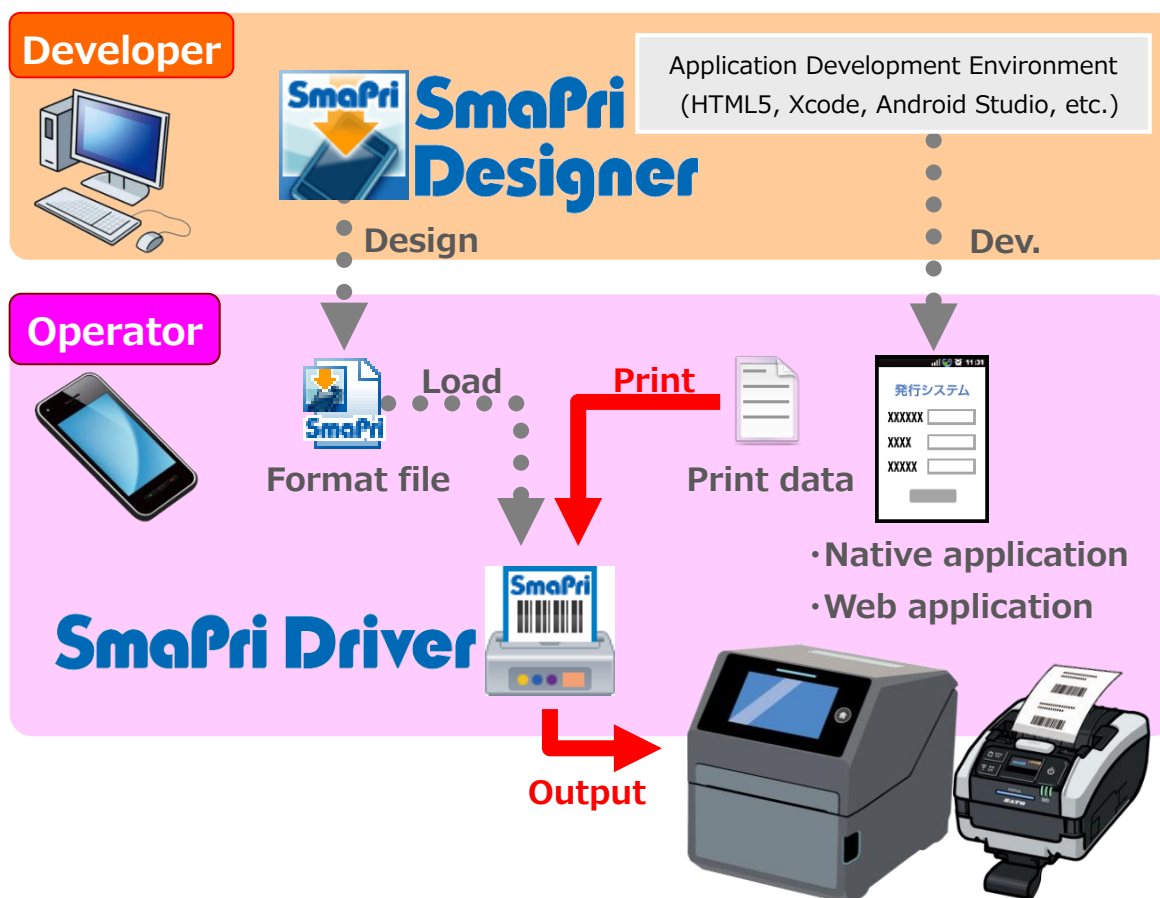
- Product overview

- 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 communicate to the printer, so you do not need to implement control section in your application.



1-3**How to use Format file (*.spfmtz)**

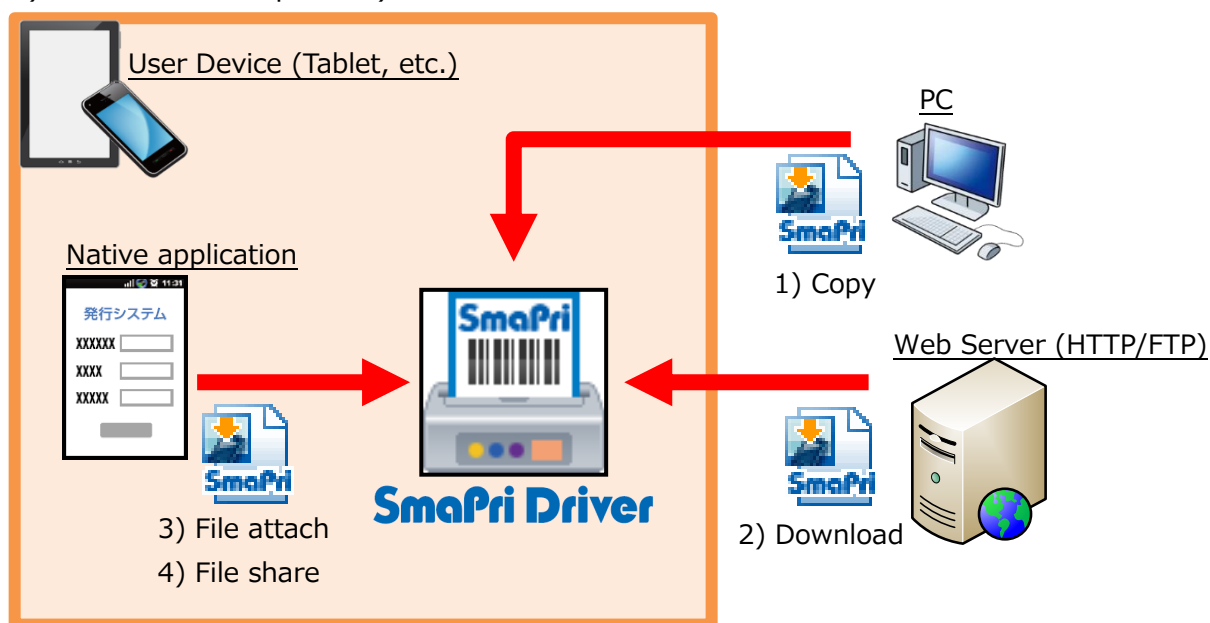
- Transfer Format file - Copy - Attach - Download

- 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".
