



Ceaseless Creativity for a Sustainable World

SmaPri Driver Demo

[DEMO APP with Source Code]

User Manual

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SATO Global Business Services Pte. Ltd.

Systems Development

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Revision History

Date	Author	Version Number	Document Changes
10-Jun-2018	Ng Ket Sing	1.0	Initial Release

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1 Introduction

SmaPri demo application is designed and developed for demonstration of SmaPri driver feature without need to use SmaPri Designer. The application demonstrate the label printing capability with using SmaPri driver on Android device. It also demonstrate simple communication method with connected device to inquire the status.

1.1 Scope and Purpose

As this is a demonstration application, functions of the application may not be suitable for real production implementation. This application shall be used for reference purpose to understand how to build the application with using SmaPri driver.

1.2 Process Overview

The application is consisted by 3 main functions:

Main Function	Sub Function	Description
SBPL Print	Send Command	To print the text Input on "Printing text input box"
	Send Fixed Command	To print a fixed pre-define label
	Clear	To clear the text box on "Printing text input box"
Get Info	-	To get interface info of connected device
Set Info	Device Type	Specify printer device type (TCPIP or Bluetooth), when device type is specify, address as 'b' below is required.
	IP Address / BT Address	To display the address, the address field will change based on "Device type"
	Protocol	Protocol selection for connected device. Drop down selection: Status3; Status3_lapin; Status4
	CRC	CRC check function Drop down selection: True; False

1.3 System and Hardware Requirements

Hardware: Android industrial handheld or smartphone

Software: Android OS 4.1 or newer

2 Installation/Configuration

2.1 Installation

Your Android device must allow installation of apps from unknown sources.

Transfer the SmaPri.apk and SmaPri Driver apk file to the Android device and install the app.

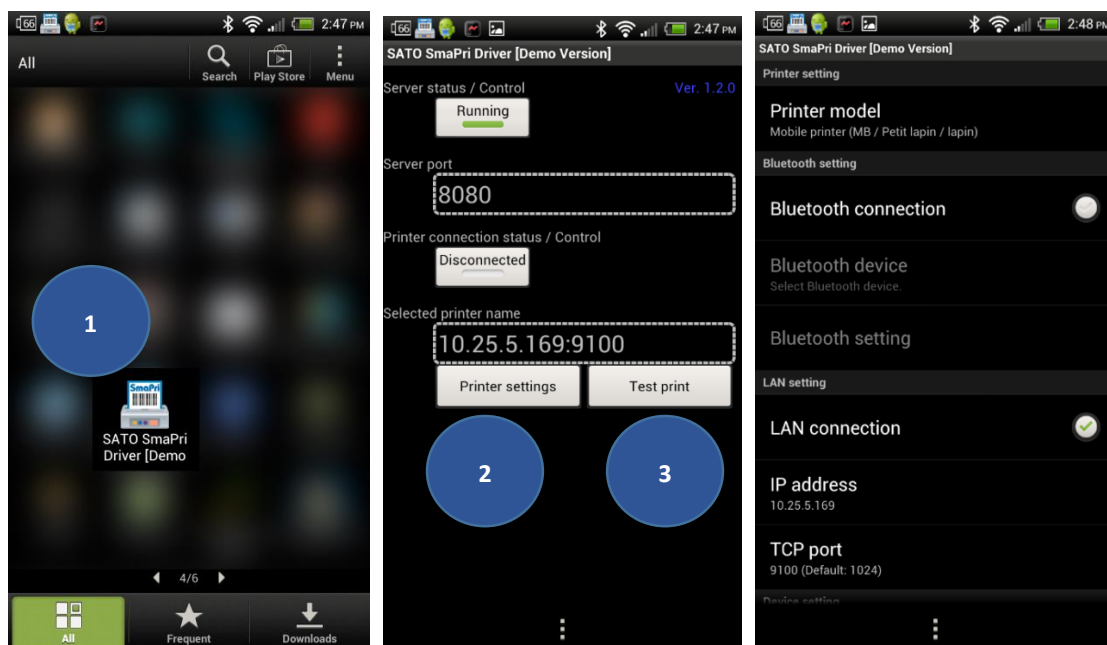
2.2 Configuration

Follow below step to configuration configure SmaPri Driver

Step 1. Open the SmaPri Driver.

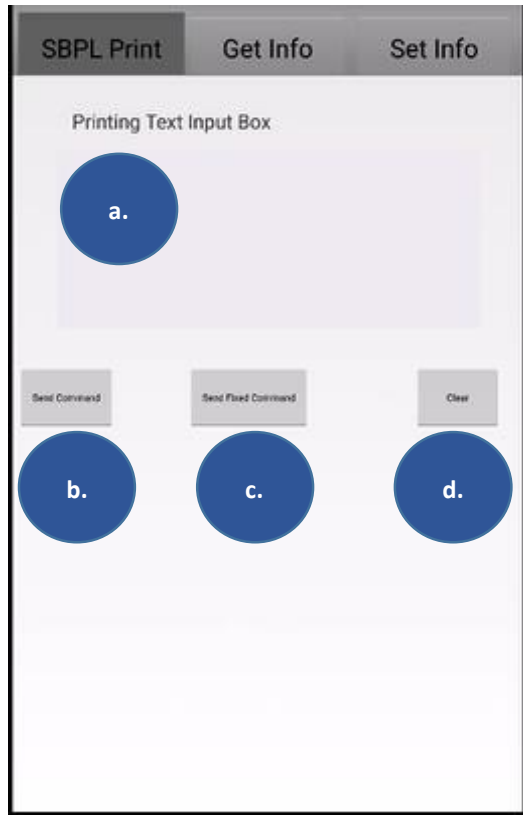
Step 2. Tap [Printer settings] to configure printer model and interface (Bluetooth or Wi-Fi) at least.

Step 3. Once you establish connection between Android Device and SATO printer, you can tap [Test Print] to print test label from the printer.



3 Functions

3.1 SBPL Print



SmaPri driver demo will display SBPL Print when you run the App.

a. Printing Text Input Box

The area to input printing text. Alpha numeric is possible.

b. Send Command

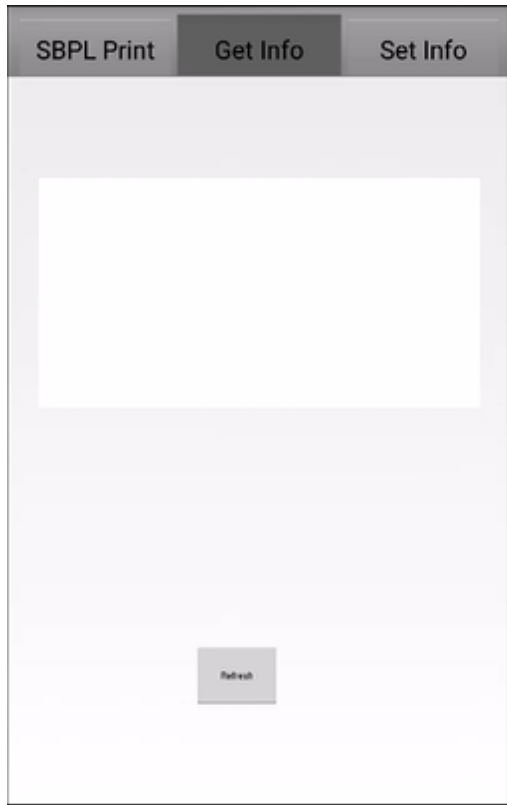
The button function will send the input printing text to printer with embedded SBPL command.

c. Send Fixed Command

The button function will send a fixed print command to printer. The command consists of barcode and logo.

d. Clear

To clear the Printing Text Input Box field



3.2 Get Info

This function will display the interface info from the connected device.

3.3 Set Info

This function demonstrates specify output destination port.

a. Device Type

Specify printer device type (Tcpip or Bluetooth), when device type is specify, address as 'b' below is required.

b. IP Address / BT Address

To specify the value based on device type selection.

c. Protocol

Printer protocol selection (Status3, Status3_lapin, Status4)

d. CRC

CRC check function (True, False)