
SmaPri Driver Developer Manual

Driver Settings (Android)

SATO CORPORATION

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Chapter:2

Driver Settings (Android)

2-1**Install / Uninstall**

- Newly install -Overwrite install -Uninstall

SmaPri Driver has not been available on the Google Play, so copy the application file (*.apk file) to the device with the procedure below and install the software.

- **Storage location of the apk file (for the product CD)**

On the main menu, click "Application File" and open the folder that saved the application file (*.apk file).

- **Preparation before installing**

On the Android device, go to [Settings]-[Applications] and enable [Unknown sources]. This setting is required to install non-Google Play applications.

*After installation, you can disable "Unknown sources".

*Screen configuration and Item names may differ by OS versions.

- **Any parameter settings at the installation**

"SmaPri Driver" setup with any parameter settings by "Configuration file" distributing user device. For the details, please refer to [Importing the configuration file](#)

- Newly install

On Android devices, you can select install method from following items.

- Install from Web browser or e-mail
- Install from the SD card
- Install from development machine with USB connection

• Install from Web browser or e-mail

- 1) If you have a web server, upload [*.apk] to the server and enter the direct address to it in the browser to download it. If you cannot build a web server environment, you can send an email with [*.apk] as an attachment, receive that email in a web based email service such as Gmail, and then download that attachment.
- 2) Select the [*.apk] download complete message in the notification area.
- 3) An installation confirmation is displayed. Tap [Install] to run the installation.

• Install from the SD card

- 1) Copying an apk file to the SD card.
- 2) On the Android device, use the standard browser or a file explorer* and select "SmaPri_Driver.apk". The standard browser can use the file stored on the SD card by specifying it as [file:///sdcard/...].

*Some devices are not equipped with a file explorer as standard. Please obtain a file explorer from the Google Play.

- 3) An installation confirmation is displayed. Tap "Install" to run the installation.

• Install from development machine with USB connection

- 1) On the Android device, enable to [Settings] -> [Developer options] -> [USB debugging]. If not displayed [Developer options], tap to [About] -> [Software Information] -> [Build number]. (Tap might need 7 times.)
- 2) Connect the Android device to the Windows PC with a USB cable.
- 3) Run [Command Prompt], and move to ADB (Android Debug Bridge: Accessoried to Android SDK) directory.

```
cd "C:\Program Files\Android\android-sdk\platform-tools"
```

- 4) Install specify SmaPri Driver's apk file path to ADB.

e.g.) Apk file is in C: (root folder).

```
adb install "C:\SmaPri_Driver.apk"
```

- Overwrite install

When install to an android terminal that is installed SmaPri Driver, it become overwrite install. When run overwrite install, the setting value is taken over and the running server restart automatically after the overwrite install.

- Uninstall

Please be aware that all of the settings and data in the application will be deleted.

- 1) On the Android device, go to [Setting] -> [Application] and select [Manage Applications]
- 2) Select [SATO SmaPri Driver] on the application list and tap [Uninstall] to uninstall it.

2-2**Administration screen (status)**

Change settings to start/stop server and connect / disconnect printer.

- How to Start

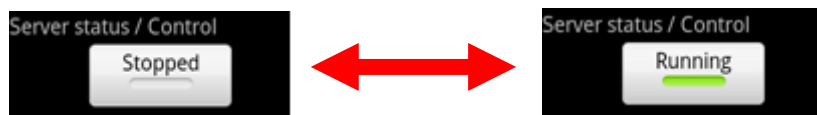
- Select "SATO SmaPri Driver" on the application list.
- Select "SATO SmaPri Driver" from the status bar.

- Starting Intents

smapri:///View/Status

- Function Description**1) Server status / Control**

Starts and stops SmaPri Driver.



While running, an icon is displayed on the status bar at the top of the screen.



Starting or stopping the server can also be performed using intent from upper level applications.

Server startup: smapri:///Service/Start

Server stop: smapri:///Service/Stop

2) Server URL

It shows the port number that receives HTTP requests from the client.

To change this setting, see "[Administration screen \(server settings\)](#)".

3) Printer connection status / Control

Connects and disconnects from the printer. This setting is only enabled when a printer is configured.



When SmaPri Driver receives the request (or there is print data to the spooler) it automatically connects to the printer. And, if there is no communication with the printer over the value specified in the printer settings "[Printer disconnection timer](#)" will automatically cut off communication with the printer.

4) Selected printer name

Shows the printer specified as the connection destination.

For Bluetooth Bluetooth device name and BD address

For LAN IP address and TCP port number

For Bluetooth, a list of devices will be displayed when you select "Bluetooth device", and you can select "Discover new device" to scan devices available for pairing. For more information, refer to "[Bluetooth pairing](#)" section. In case of "the device does not have pairing information" or "the device's Bluetooth is disabled", it is displayed as "unpaired".

5) Printer setting

Configure the communication settings with the printer.

For details, see "[Administration screen \(printer settings\)](#)".

6) Test print

Do a test print. This function is convenient for testing communication with the printer.

SmaPri Driver will check the status by directly connecting to the printer, before sending the test print data. If the printer is turn off will be displaying error message.

If test print failed, refer to "[printer settings](#)" at first.

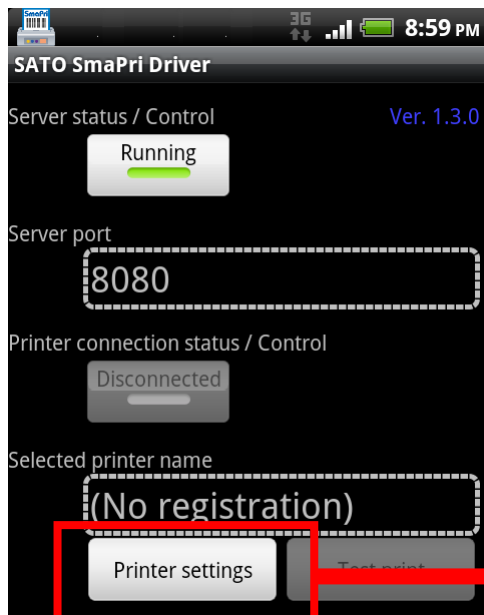
- MB2i series and MB4i series use "Status 3 (MB200i/MB201i,MB400i/MB410i)".
- PW208 series use "Status 4" or "Status 3".
- Other models use "Status 4" or "Status 3".

2-3**Administration screen (printer settings)**

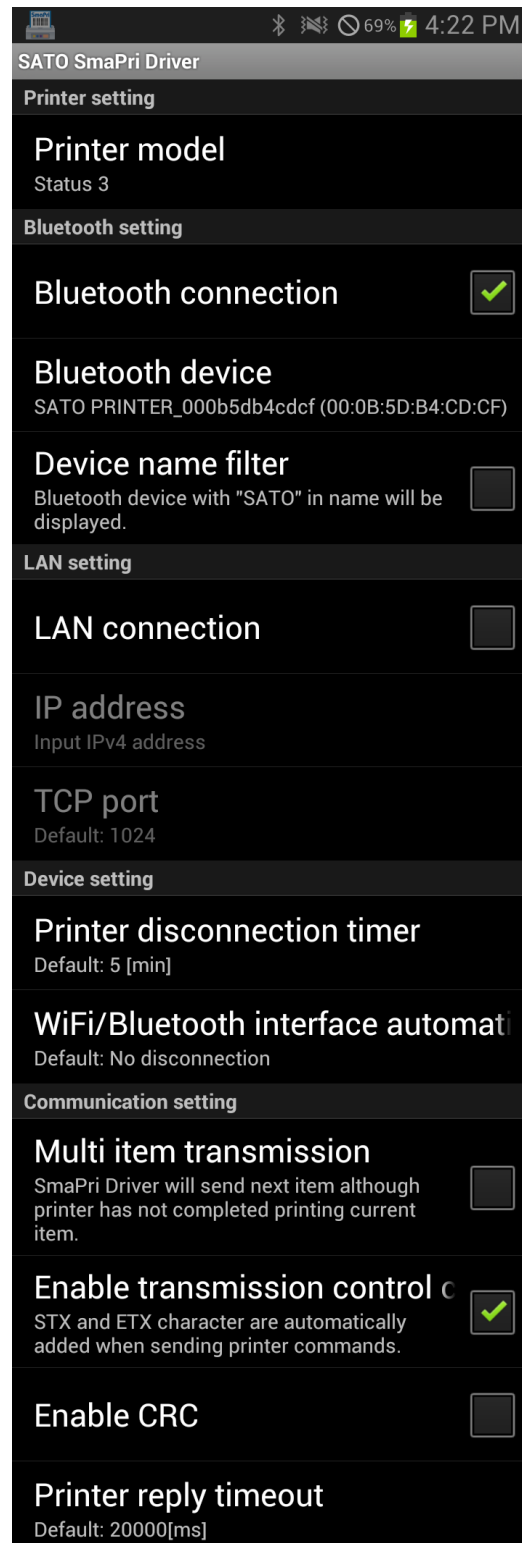
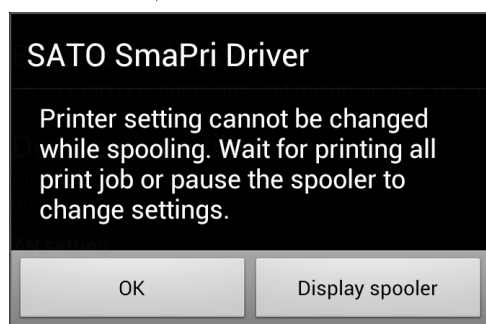
Configure settings related to printer connection.

- How to Start

- Select "Printer settings" on the "Administration screen (status)".

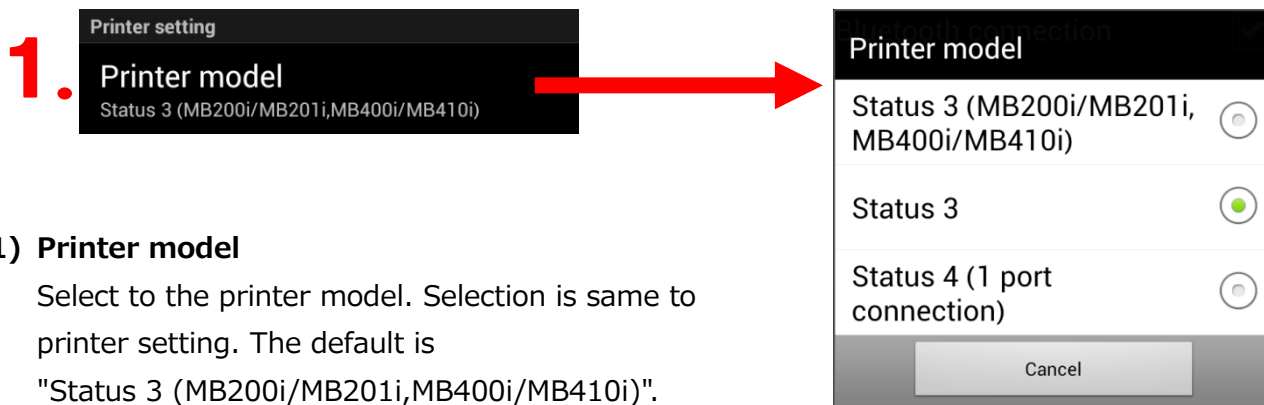


• When print data is spooled
• while the server is running

**- Starting Intents**

```
smapri:///View/PrinterSettings
```

- Function Description (Printer settings)



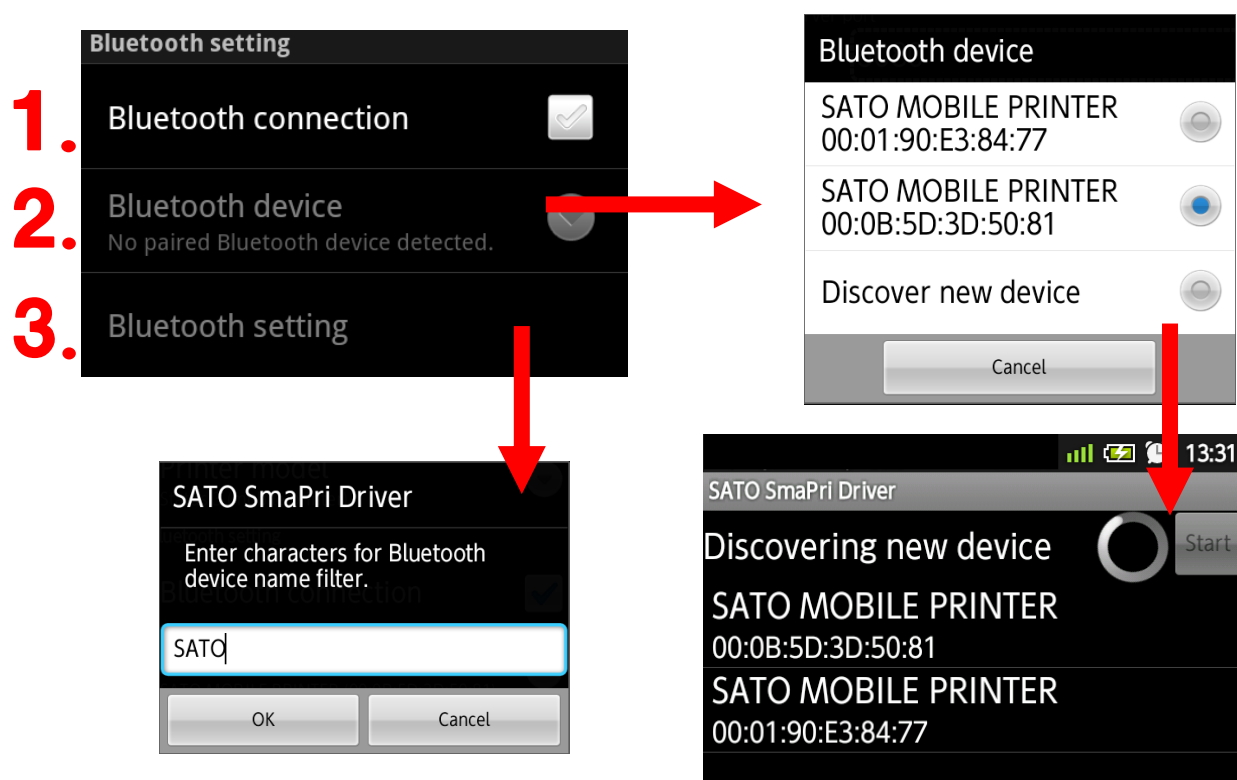
1) Printer model

Select to the printer model. Selection is same to printer setting. The default is

"Status 3 (MB200i/MB201i,MB400i/MB410i)".

*Other printer (e.g. PW208) defaults are "Status 4".

- Function Description (Bluetooth settings)



1) Bluetooth connection

Connect to the printer via Bluetooth.

2) Bluetooth device

It shows the device name and BD address for the paired printer.

Select the printer to connect to.

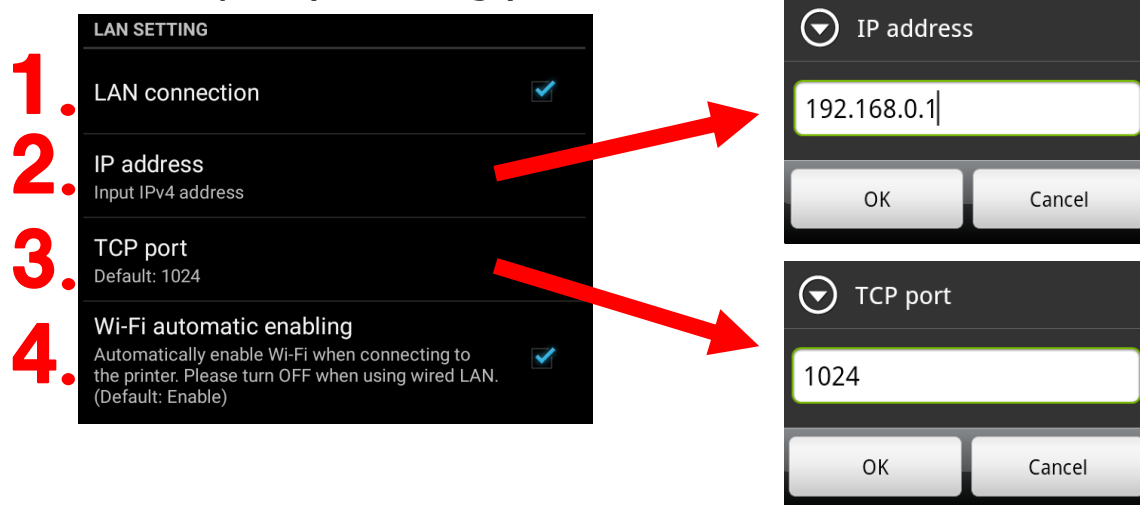
You can also select "Discover new device" to scan other devices available for pairing.

For more information, refer to "[Bluetooth pairing](#)" section.

3) Use "Bluetooth device name filter"

It filters the devices of "Bluetooth device" list and "Device San" list with specified string.
Default setting is "disabled". Default filter string is "SATO".

- Function Description (LAN settings)



1) LAN connection

Connect to the printer via the LAN (TCP/IP).

2) IP address

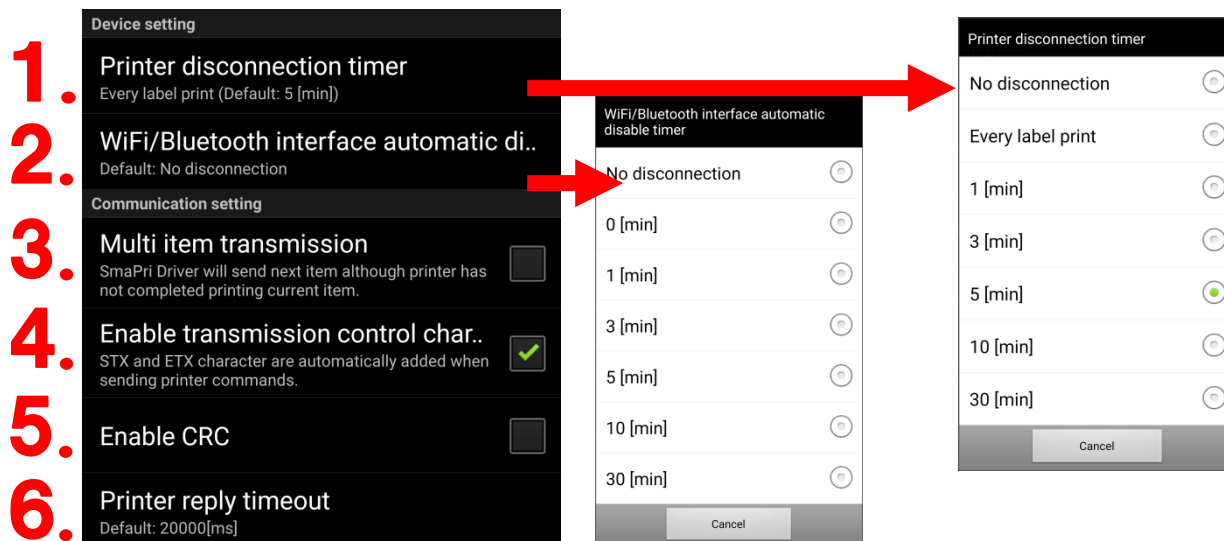
Set the IP address of the printer.

3) TCP port

Set the TCP port number. The default is "1024".

4) Wi-Fi automatic enabling

Automatically enable Wi-Fi when connecting to the printer. Please turn OFF when using wired LAN. The default is "Enable".

- Function Description (Device setting, Communication setting)**1) Printer disconnection timer**

Set the time to automatically disconnect from the printer. The default is "5 [min]".

2) WiFi/Bluetooth interface automatic disable timer

Set the time to automatically disable the devices (Bluetooth, Wi-Fi) when it is disconnect from the printer.

The default is "No disconnection", the devices is not disabled.

3) Multi item transmission

To specify print data transmit condition. The default is "Disabled".

Enable: Sending of next print item without waiting to complete printing current item.

Disabled: Sending of next print item waiting to complete printing current item.

4) Enable transmission control character

To specify automatically added transmission control character (STX/ETX) to the print data.

The default is "Enable". Usually specifies "Enable", so it does not need to change.

If "Enable CRC" is "Enable", this item is always "Enable".

5) Enable CRC

Set the CRC check. The default is "Disabled".

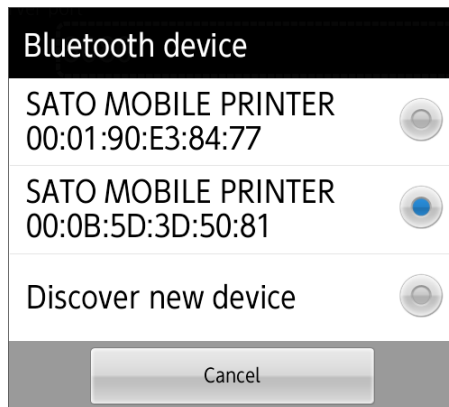
This setting must be same as the printer. If "Printer: Disabled" and "SmaPri Driver: Enable", will be the cause of the failure, such as print data is canceled.

6) Printer reply timeout

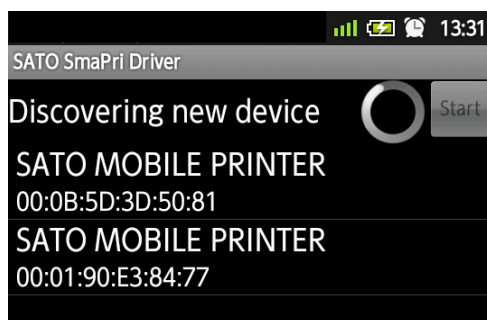
To set the timeout value when communicating with the printer and when sending and receiving data. The default is "20000 milliseconds (20 seconds)".

- Bluetooth pairing

- 1) Select "Discover new device" from the Bluetooth device list.



- 2) Automatically start to search for Bluetooth device.



- 3) Select the printer in device list.

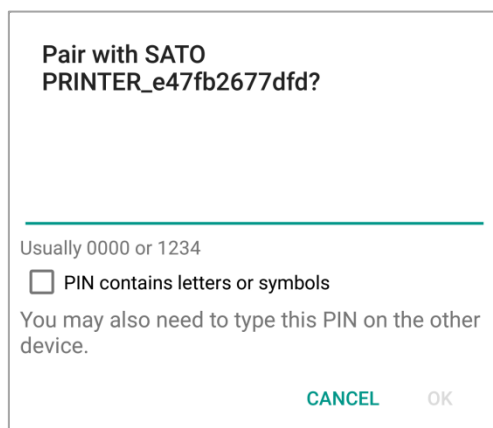
Tap "Start" to scan again if you cannot find the printer you want to connect to.

- 4) Enter PIN code and tap "OK".

The default PIN code is following.

- PW208 series, CL4NX/CL6NX series: "0000" (4 zeros)
- PT208 series, PT408e/PT412e: "0000000000000000" (16 zeros)
- Other model, please refer to "User Manual" of your printer.

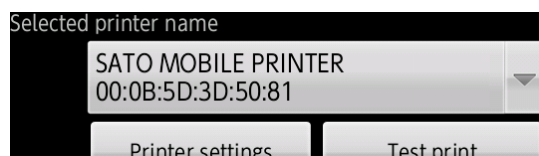
* "PIN code request" may have been notified in the status bar.



PIN code inputs

When the input of the pin code takes more than 12 seconds, error dialog is displayed. If you entered the correct pin code, you re-select the printer (BD address) and connect it.

- 5) If the pairing is successful, displaying the printer name and BD address will be displayed on "Selected printer name" box.



- 6) Tap "Printer connection status / Control" to connect and complete pairing.

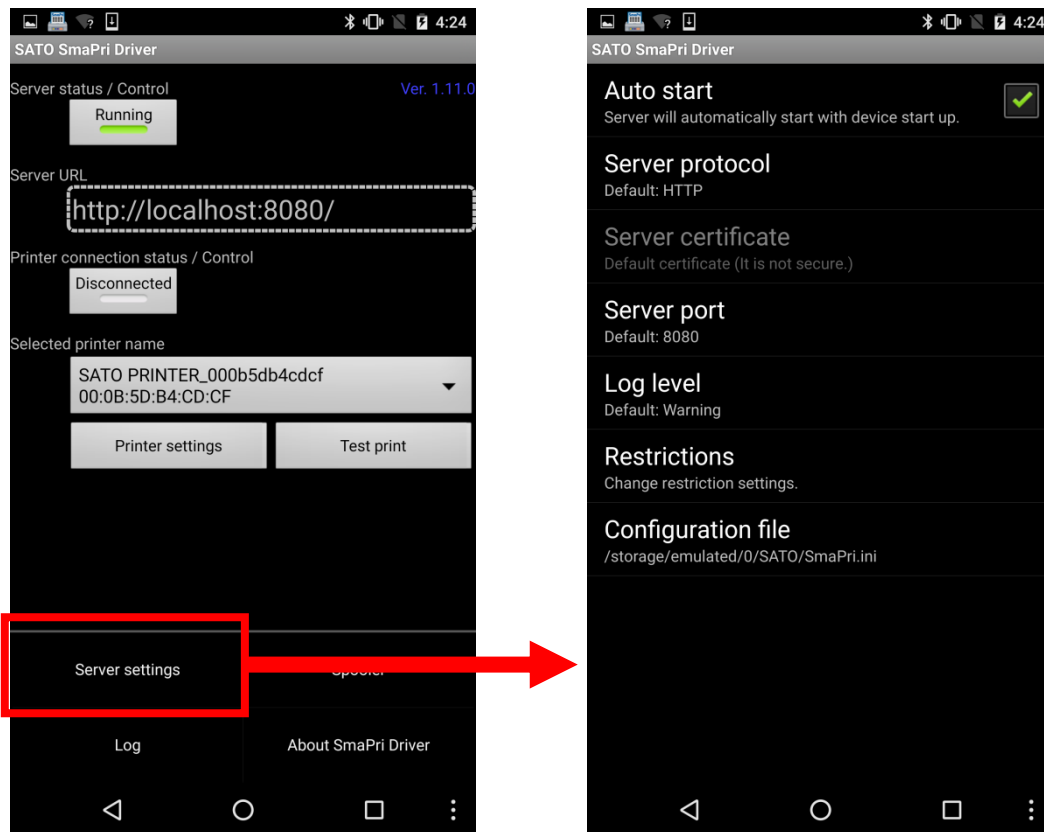


2-4**Administration screen (Server settings)**

Configure server settings including server port number and log level.

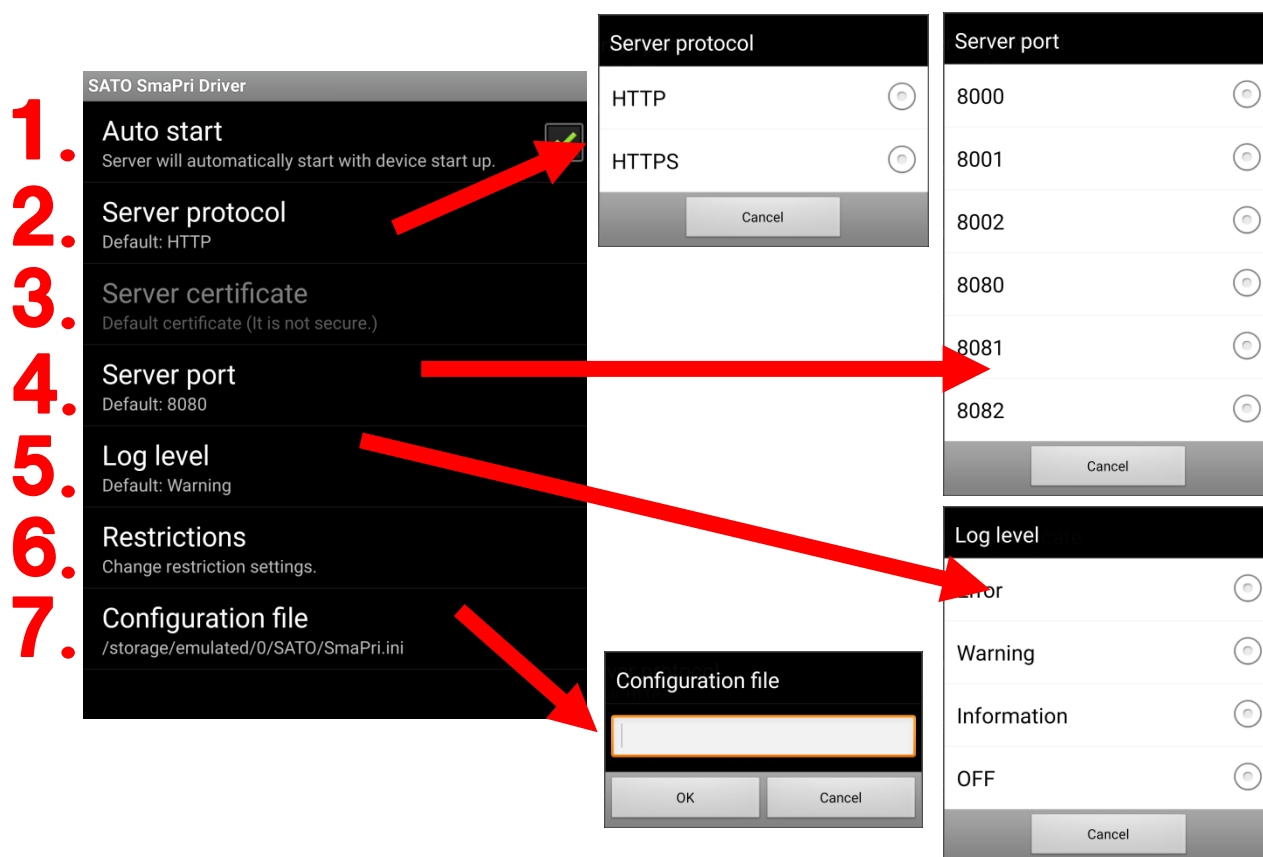
- How to Start

- Display the menu from the "administration screen (status)", and select "Server settings".

**- Starting Intents**

smapri:///View/ServerSettings

- Function Description



1) Auto start

The default is "Enable".

Enable: SmaPri Driver automatically starts when the Android device is turned on.

Disabled: SmaPri Driver does not automatically starts.

2) Server protocol

Select for server protocol (HTTP/HTTPS). The default is "HTTP". Usually specifies "HTTP", so it does not need to change. If you need to use "HTTPS", please refer to "[Use HTTPS](#)".

3) Server certificate

Select for using server certificate. Please refer to "[Use HTTPS](#)".

4) Server port

To set the port number that receives HTTP requests from the client. The default is "8080". In order to apply the settings, restart the SmaPri driver.

5) Log level

To set the operation log output level.

The default is "Warning". Entries that correspond to error and warning are output to the log.

To check the contents of the log, see "[Administration screen \(Log\)](#)".

Every HTTP requests will be saved into log when selects “information” log level. This may cause storing user name and password for basic authentication, GET request parameters and data as plain text in the log. Do not set to “information” if security is concerned. Recommend to enable “restrictions” to avoid unexpected log level change by user.

Content	Log level			
	OFF	Error	War-ning	Infor-mation
<ul style="list-style-type: none"> - Server start and stop - HTTP communication error - Communication error with printer - Other serious errors 	No	Yes	Yes	Yes
<ul style="list-style-type: none"> - Errors for HTTP requests and parameters (error content) - Errors when modifying settings with the administration screen 	No	No	Yes	Yes
<ul style="list-style-type: none"> - HTTP communication connection and disconnection - Content of requests by HTTP communication and that result - Modifying setting with the administration screen 	No	No	No	Yes

6) Restrictions

Limit to SmaPri Driver configuration changing.

For more information, refer to the "[Administration screen \(Restrictions\)](#)".

7) Configuration file

Input the full path of the configuration file. The configuration file will be imported during the SmaPri Driver startup. The default file path is "<external storage>/SATO/SmaPri.ini".

For more information, refer to "[Importing the configuration file](#)".

The external storage path is created using Android API* and may be set as an internal storage path depending on your device. If that happens, ensure that you reconfigure the file path accordingly.

* API: Environment.getExternalStorageDirectory()

2-5**Administration screen (Restrictions)**

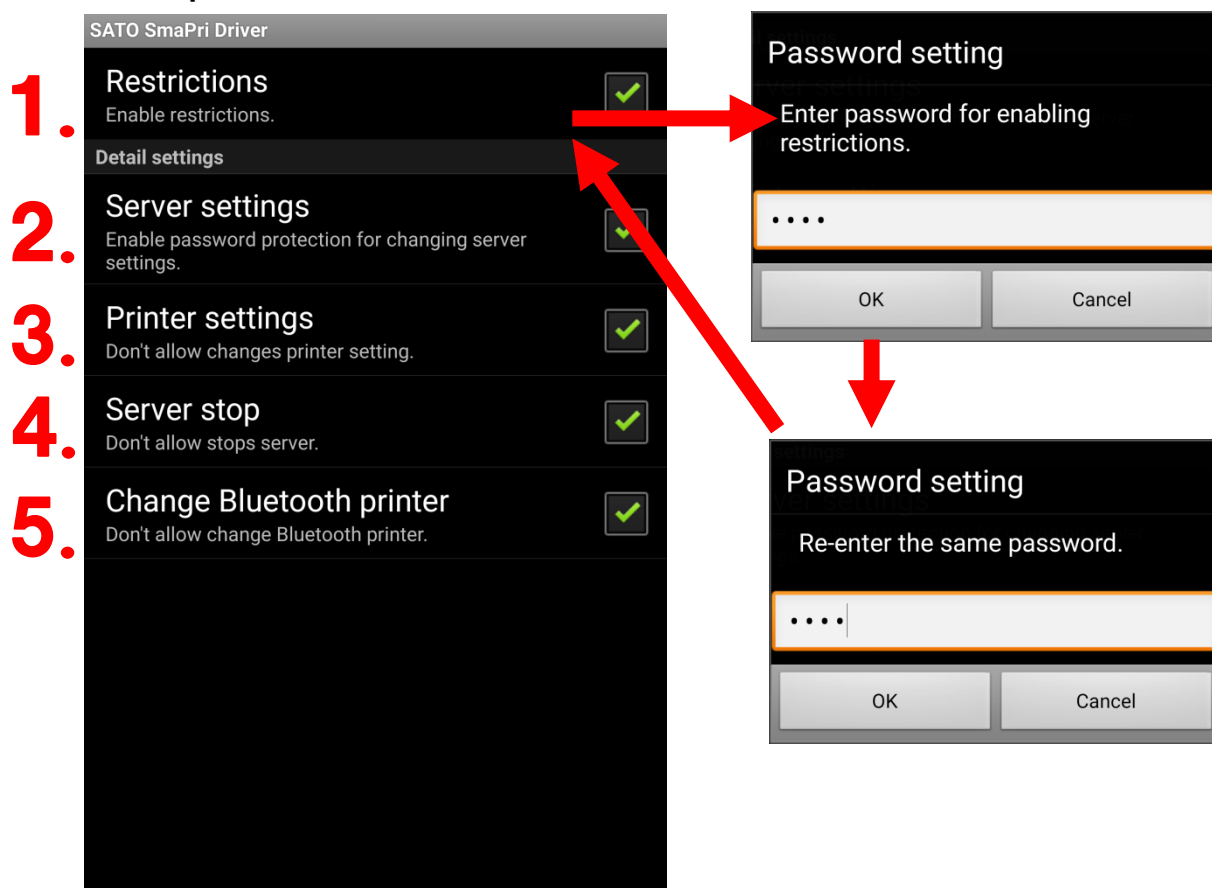
Limit to SmaPri Driver configuration changing.

- How to Start

- Select "Restrictions" on the administration screen (server settings).

- Starting Intents

None

- Function Description**1) Restriction**

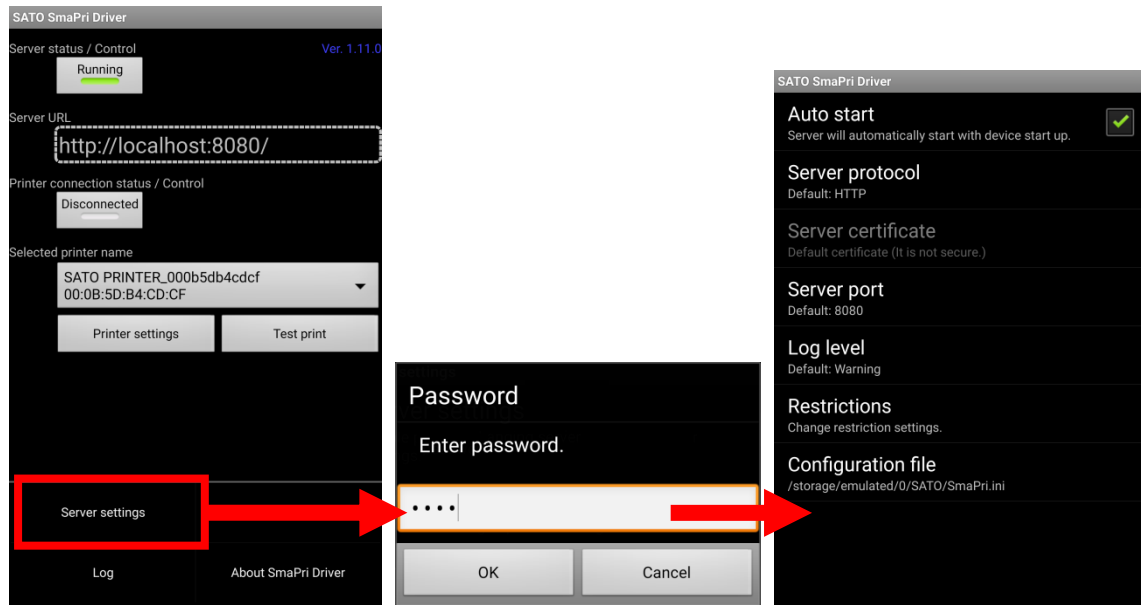
Enable restrictions. The default is "**Disabled**".

"Password setting" dialog will be displayed when you change to "**Enable**" this setting.

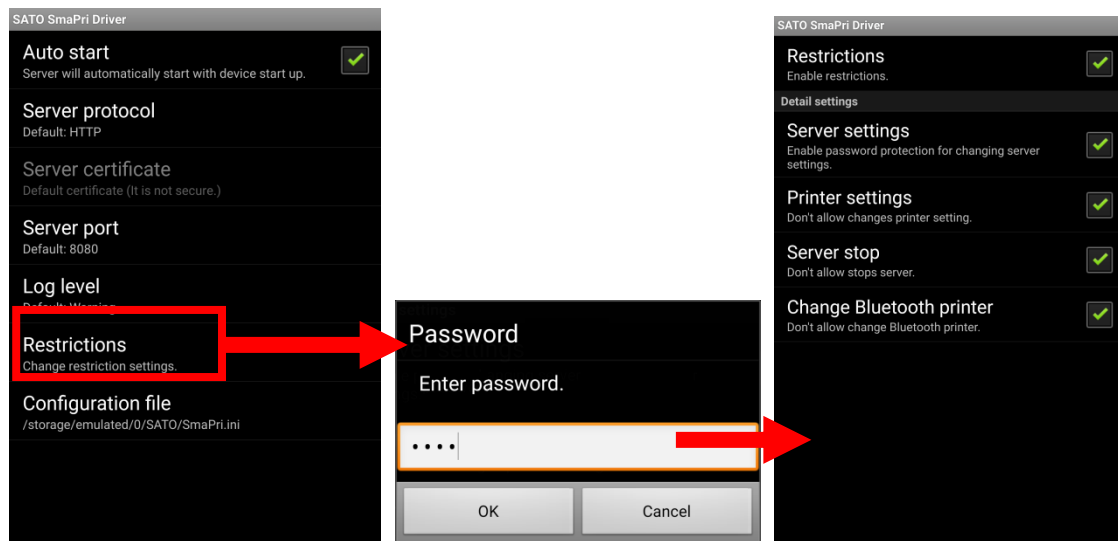
2) Server setting

Enable server setting restrictions. The default is "Enable".

Password will be required to enter to "Server setting" from administration screen.



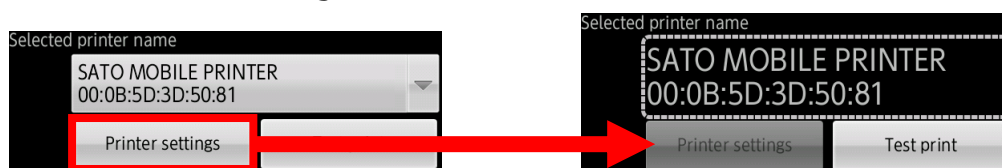
You will need to enter password when you select the "Restriction" in "Server setting".



3) Printer settings

Enable printer settings restriction. The default is "Enable".

It will disable "Printer settings" in administration screen



4) Server stop

Enable server stop restriction. The default is "Enable".

. "Server status / Control" button will be disabled in administration screen.

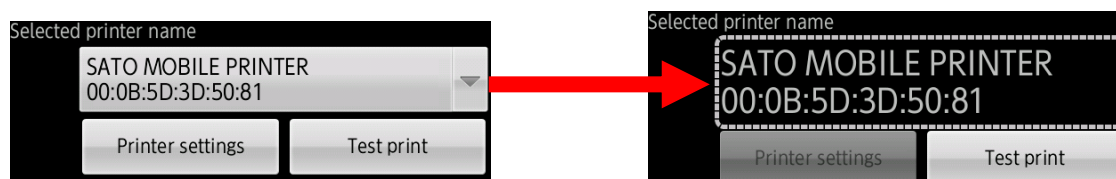
In case server was not running, the button will be disabled when server status is changed.



5) Bluetooth printer selection

Enable Bluetooth printer selection restrictions. The default is "Enable".

"Selected printer name" becomes display only.

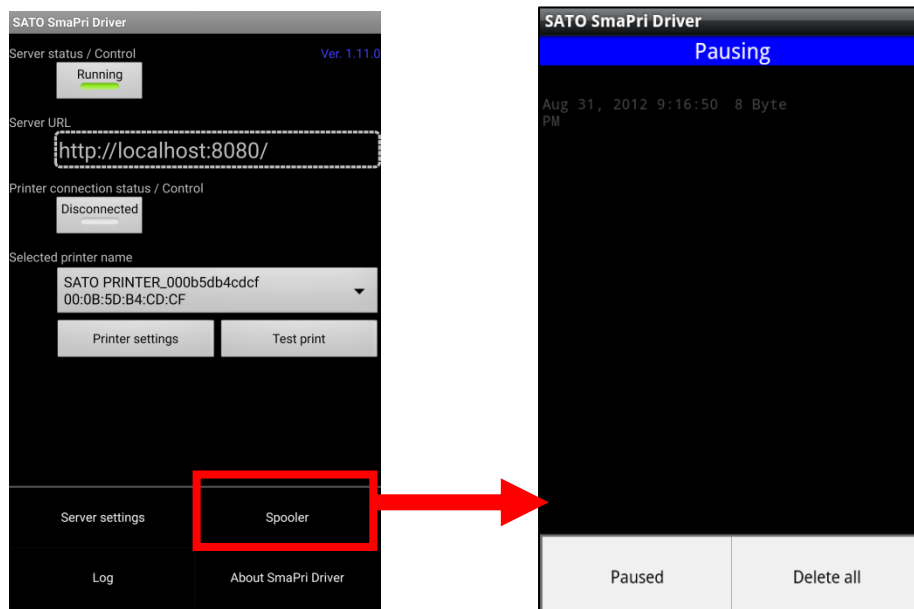


2-6**Administration screen (spooler display)**

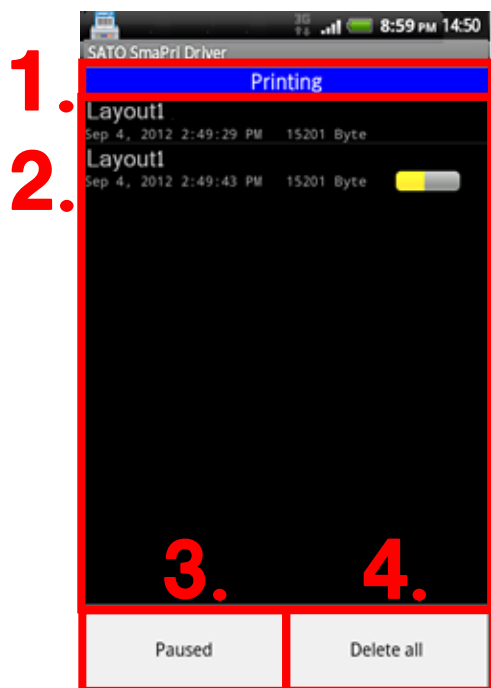
Set/get job name.

- How to Start

- Display the menu from the "administration screen (status)", and select "Spooler".
- Select "SATO SmaPri Driver" from the status bar if there are active print jobs.

**- Starting Intents**

smapri:///View/Spooler

- Function Description





"3" and "4" are displayed by pressing the menu key ("...") of your device.

If there is no menu key, it may be possible to display with long press of multitasking button. Please check with the device manufacturer for details.

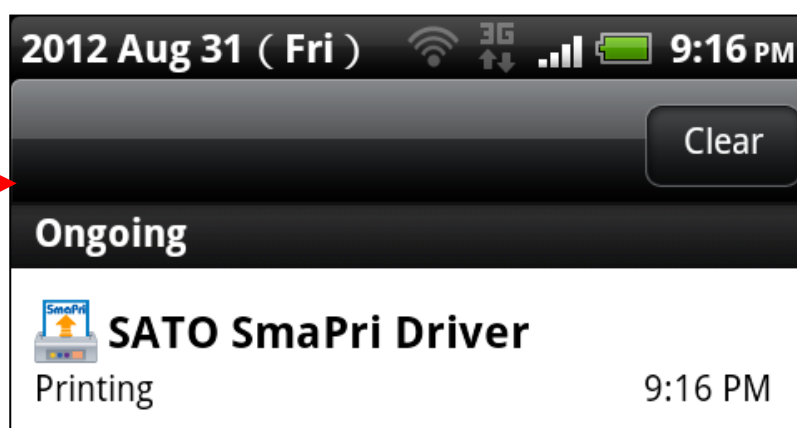
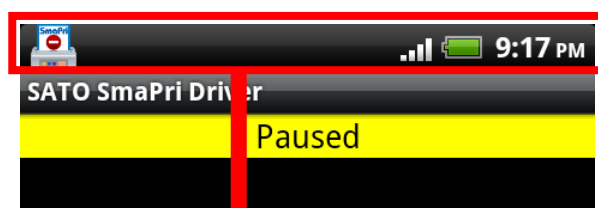
1) Spooler status display

To show the status of the spooler as messages and colors.

The spooler status is also displayed as an icon on the status bar at the top of the screen.

Spooler status	Color	Icon	Description
Standby	Blue		There is no data in the spooler. Regardless of the printer status, the spooler is always this status when there is no data in it.
Printing	Blue		Sending data to the printer or the printer is printing.
Offline	Yellow		The printer is offline. The printer status (no error, buffer near full, battery near end) is also displayed.
Paused			The spooler is paused.
Connection error	Red		The spooler cannot connect to the printer.
Printer error			The printer is in the error state. The error details are also displayed.

You can also check the spooler status by opening the status bar.

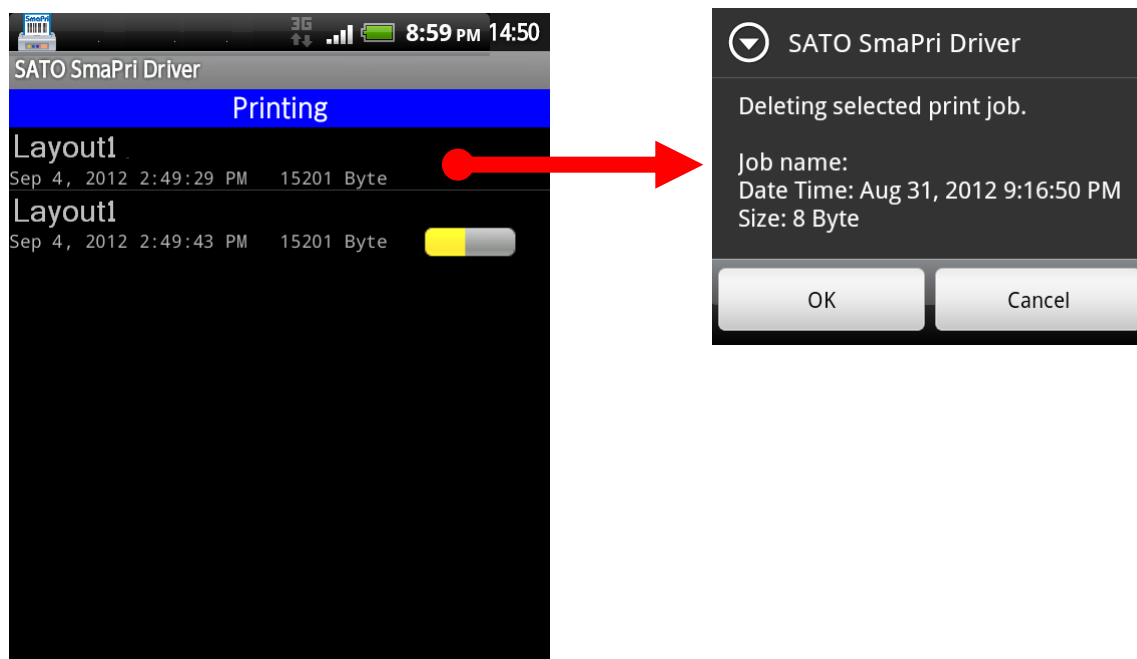


2) Print job list

“Job Name”, “Created Date Time” and “Size” will be displayed.

The progress bar will be displayed if format with counter is processing as background task.

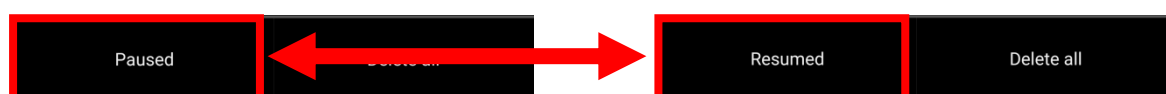
You can tap and hold the job to cancel and delete.



3) Paused/Resumed

You can pause and resume the spool.

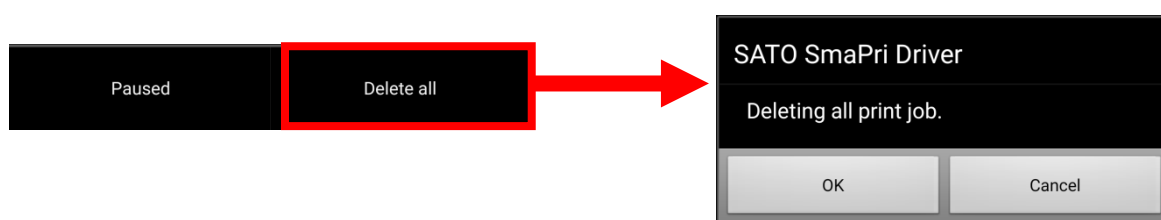
While sending data, the spool is paused after it finishes sending print data.



4) Delete all

To delete all spool print data.

To delete each item individually, tap and hold the data item.

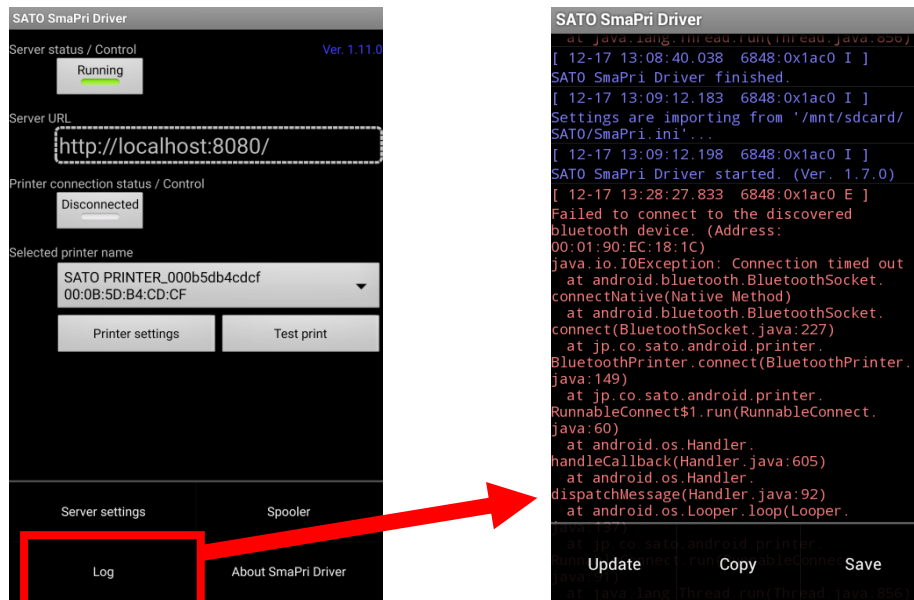


2-7**Administration screen (log)**

Display log.

- How to Start

- Display the menu from the "administration screen (status)", and select "Log".

**- Starting Intents**

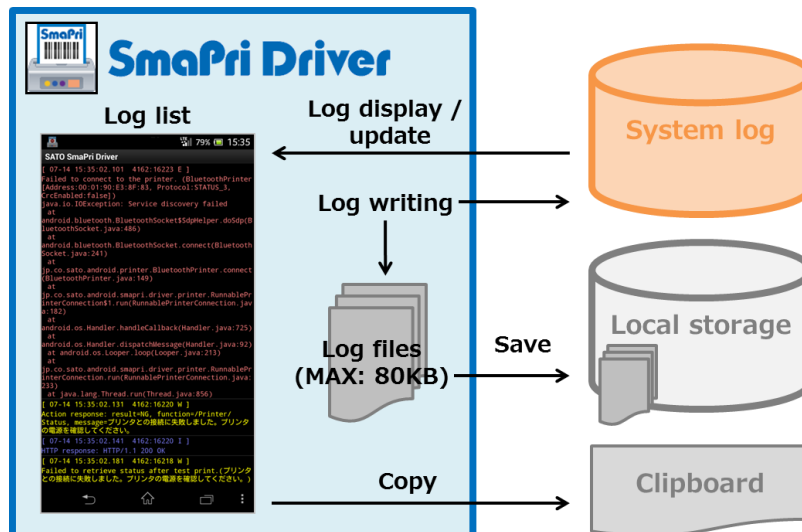
None

- Function Description

"2", "3" and "4" are displayed by pressing the menu key ("...") of your device.

If there is no menu key, it may be possible to display with long press of multitasking button. Please check with the device manufacturer for details.

Overview of log function



1) Log list

Shows log information and content.

The log list shows last 100 entries. The system refer to the system logs that is shared with other processes, the actual logs displayed may be fewer than 100 or may disappear occasionally.

- * Since contents not shown in the log list are also internally recorded, please save the log to a file and check it. The log is saved up to about 80 KB at maximum.

Text color of logs is different by severity. **Error is red**, **Warning is yellow**, and **Information is blue**. **Log level** can be changed with [Administration screen \(server settings\)](#).

Log information		Content
1st row (space delimited)	Output date	MM-dd
	Output time	HH:mm:ss.SSS (SSS=milliseconds)
	Process:thread	PID(decimal):thread ID(hexadecimal)
	Severity	E:Error, W:Warning, I:Information
2nd row and later	Log content	String that expresses the log content. Multiple lines may also be displayed.

2) Update

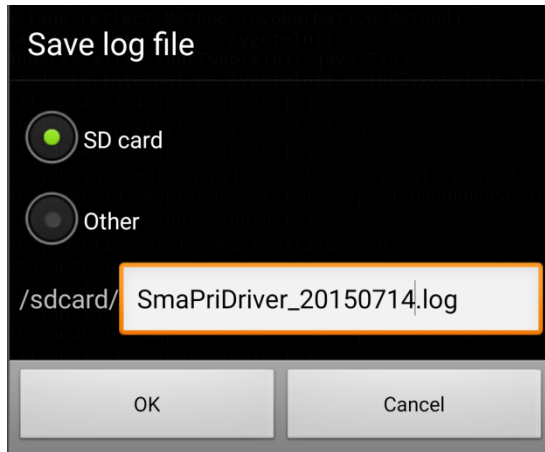
To refresh the log list to show the latest log.

3) Copy

Copy the displayed log information (maximum 100 entries) to clipboard.

4) Save

Save the log information to a file. Log information that could not be displayed can be checked by saving the log to file. Select the output destination, enter the file name (the default is **SmaPriDriver_YYY/MM/DD.log**), and tap "OK" to save.



2-8**Importing the configuration file**

Import administration settings from the configuration file.

The configuration file will be imported during the SmaPri Driver startup if the full path of a valid configuration file has been specified at the server settings screen.

ASCII, UTF-8 (with BOM) and UTF-16 (with BOM) can be used to encode the configuration file.

A notification will be displayed in the status bar during import.

- Configuration file structure**1) Parameter**

Specify one parameter per line using the following format.

Parameter Name = **Value**

2) File encoding

ASCII, UTF-8 (with BOM) and UTF-16 (with BOM) can be used.

UTF-8 and UTF-16 files will be identified by their byte order marks.

3) Special characters

Character type	説明
Newline characters	CR, LF, CR+LF
Whitespace characters	Spaces before and after parameter names and values are ignored.
Upper-case, Lower-case	Parameter names and enumeration values are not case sensitive.
Double quotes	Can be used to quote values, and function as the escape character for a double quote used in values; Cannot be used in parameter names.
Semicolons	Lines starting with the semicolon are treated as comments and ignored.
Blank lines	Lines with only spaces or a line break are ignored.

- Configuration parameters

You can only import settings whose parameters are included in the configuration file.

Values marked with the asterisk (*) are default settings for SmaPri Driver.

Parameter name	Values	Description
Auto start (server)		
server_automatic_start	false	Do not start automatically
	true	Start automatically (*)
Server protocol		
server_protocol	http	HTTP
	https	HTTPS
Server certificate		
server_certificate_type	default	Default server certificate (Self-signed certificate) (*)
	custom	Custom server certificate (imported certificate)
Password for keystore file (the custom server certificate)		
custom_key_store_password	A string of one or more characters	
Passphrase for private key (of the custom server certificate)		
custom_private_key_password	A string of one or more characters	
Server port number		
server_port	1~65535	Default: 8080
Log level		
log_level	error	Error
	warning	Warning (*)
	information	Information
	off	OFF
Log file path (autosave)		
log_file_path	Full path name starting with "/" Default: "" (void)	
Restrictions		
restriction_enabled	false	Disable (*)
	true	Enable
Password for Restrictions		
restriction_password	Any character string	

Restrictions - Server setting		
restriction_server_settings_enabled	false	Allow changes (*)
	true	Do not allow changes
Restrictions - Printer setting		
restriction_printer_settings_enabled	false	Allow changes (*)
	true	Do not allow changes
Restrictions - Server stop		
restriction_server_stop_enabled	false	Allow stop (*)
	true	Do not allow stop
Restrictions - Change Bluetooth printer		
restriction_bluetooth_printer_switching_enabled	false	Allow switch (*)
	true	Do not allow switch
Configuration file (for importing settings)		
import_settings_file_location	File path Default: /mnt/sdcard/SATO/SmaPri.ini	
Communication protocol between SmaPri and printer		
printer_type	mobile	Status 3 (MB200i/MB201i, MB400i/MB410i) (*)
	status3	Status 3
	status4_1port	Status 4 (1 port connection)
	standard	Old compatibility (Status 3)
Printer I/F type		
printer_interface_type	bluetooth	Bluetooth connection (*)
	lan	LAN connection
Bluetooth address		
bluetooth_device_address	BD address Example: 00:01:90:E3:84:77	
Bluetooth device name filter		
bluetooth_device_filter_enabled	false	Disable (*)
	true	Enable
Bluetooth device name filter character string		
bluetooth_device_filter_string	Default: SATO	
Bluetooth automatic pairing		
bluetooth_auto_bonding_enabled	false	Disable (*)
	true	Enable
Bluetooth automatic pairing PIN		
bluetooth_auto_bonding_pin_code	1 to 16 digits ASCII string.	

Bluetooth insecure connection		
* If this function is enabled, it will be possible to connect without pairing, but communication contents will not be encrypted. Please use it after recognizing the security risk.		
bluetooth_insecure_connection	false	Disable (*)
	true	Enable
IP address (LAN connection)		
lan_printer_ip_address	IP address Example: 192.168.1.1	
TCP port (LAN connection)		
lan_printer_tcp_port	1~65535 (default: 1024)	
Printer disconnection timer		
connection_timeout	-1	Do not disconnect
	0	Every label print
	1~2147483647	Seconds (default: 300) (*)
WiFi/Bluetooth interface automatic disable timer		
automatic_disable_device_wait_time	-1	Do not disconnect (*)
	1~2147483647	Disconnect after specified seconds
Multi item transmission		
multi_item_sending	false	Single item (*)
	true	Multi item
Enable transmission control character		
tc_character_enabled	false	Disable
	true	Enable (*)
Enable CRC		
crc_enabled	false	Disable (*)
	true	Enable
Printer reply timeout		
receive_timeout	1~2147483647 [ms] Default: 20000 [ms]	
Notification after importing configuration file		
import_notification	false	Disable
	true	Enable (*)
Delete configuration file after import		
delete_me	false	Keep the file (*)
	true	Delete the file

- Configuration file example

restriction_enabled = true	; Enabled restrictions.
restriction_password = "1234"	; Set "1234" to password of restrictions.
restriction_server_settings_enabled = true	; Restrictions to server setting.
printer_type = status4_1port	; Set communication protocol to "status 4".
printer_interface_type = bluetooth	; Set communication interface to "Bluetooth".
bluetooth_device_address = 00:01:90:E3:84:77	; Set BD address.
delete_me = true	; Delete configuration file after import.

2-9**Application integration using intent**

Display administration screen, and start/stop server using intent.

You can perform SmaPri Driver functions (e.g. display main administration screen, start/stop server) from other applications or the Web browser using intent (custom URL scheme).

- Intent List

URI	Function	Supplement
smapri:///View/Status	Display administration screen (status)	
smapri:///View/ServerSettings	Display administration screen (server settings)	
smapri:///View/PrinterSettings	Display administration screen (printer settings)	Supp. 1
smapri:///View/Spooler	Display administration screen (spooler display)	
smapri:///Service/Start	Start server	Supp. 2
smapri:///Service/Stop	Stop server	Supp. 3

Supplement 1: Display administration screen (printer settings)

- The following message appears when the spooler is processing print jobs.

"Printer setting cannot be changed while spooling. Wait for printing all print jobs or pause the spooler to change settings."

When you tap "OK", the spooler is not displayed.

When you tap "Spooler", the spooler display appears.

- The following message appears when SmaPri Driver is connected to a printer.

"Printer will be disconnected. Do you want to continue?"

When you tap "Yes", printer will be disconnected and the printer settings screen appears.

When you tap "No", the printer settings screen appears but no changes can be made.

Supplement 2: Start server

- The configuration file path can be specified using the "import_setting_file_location" option parameter.

ex) smapri:///Service/Start?import_settings_file_location=mnt/sdcard-ext/setting.ini

Supplement 3: Stop server

- The following message appears when the spooler is processing print jobs.

"Print jobs exist in spooler. Do you want to stop server?"

When you tap "Yes", server will stop after print commands are generated for all print jobs.

When you tap "No", the request to stop the server will not be performed.

- Request example

Call the screen "Spooler Display" from web browser (by HTML link).

ex) `<p> Spooler Display </p>`

2-10**File transfer to device storage**

Transfer some files with SD card or USB connection.

You can transfer files between Android-device to development-machine by SD card or USB connection. For SmaPri Driver (for Android), it is used for transfer of "format file", "log file", "configuration file".

- **Format file (*.spfmtz)**

Register a format file in advance before printing instead of registering a format during printing.

Usually, you register the format file at the time of printing. For details, please refer to "Print Format" or "Register Format" in "HTTP Reference".

- **Log file**

The log file is saved in the path specified when saving.

Please refer to "[Administration screen \(log\)](#)" for save method.

- **Configuration file**

If "Configuration file" exists in the path specified on "Administration screen (server settings)", import the setting values.

Please refer to "[Administration screen \(server settings\)](#)" and "[Importing the configuration file](#)".

- Transfer files

Format file, Configuration file

(1) Copy the file to any directory on the SD card in development-machine.

(2) Insert the SD card in the Android device. You can use it while wearing the SD card, or copy the file to the main unit storage*.

To use the copied file, specify the full path of the file. Please confirm the hierarchy and structure of the folder in the user guide etc. of your device.

Log file

(1) When a log is saved to SD card, connect that SD card to development-machine. When a log is saved in local storage, connect it to development-machine with a USB cable.

(2) Since the log file is created with the path and file name specified at the time of saving, copy it to the development machine.

*To copy files from Android devices, you may need a file management application separately.

2-11**Use HTTPS**

You can use HTTPS on SmaPri Driver.

For Web applications running on an HTTPS server, SmaPri Driver may not be available due to cross domain restrictions. By importing the server certificate into SmaPri Driver, the server function of SmaPri Driver can be used with HTTPS.

Notes: It is the SmaPri Driver itself that supports HTTPS by importing electronic certificates. The URL of the format file or image file specified by the request parameter is HTTP only.

Ex.) **https://localhost:8080/Format?__format_archive_url=http://example.com/format.spfmtz**

Notes: How to obtain the electronic certificates, please contact the issuing organization of the electronic certificate. How to installing the certificate on Android OS, please contact your OS vendor or terminal vendor.

- Android OS side

Install the necessary root certificate on Android OS.

- SmaPri Driver side

Please copy the keystore file (storetype: BKS) to the SD card of Android terminal.

1. Open the "Administration screen (server settings)" from SmaPri Driver.
2. Set "Server protocol" to "HTTPS".
3. Set "Server certificate" to "Import certificate (key store)".
4. Tap "Change" and input directory path of keystore file.
5. Select the keystore file in the display.
6. Input keystore password and tap "OK".
7. Input private key password and tap "OK".
8. Restart server function of SmaPri Driver on "Administration screen (status)".