

Bluetooth Print Generation with Liquid UI Android

Overview:

Liquid UI Android enables the SAP user to generate print using a Bluetooth Printer. In order to generate a successful print user needs to do the following:

- A. Configuring Output Device within the SAP System.
- B. Pairing Bluetooth Printer with the Android device.
- C. Setting the output device for a user.

A. Configuring Output Device within the SAP System:

1. Navigate to the transaction SPAD.
2. On the Initial Screen, name an output device for creation under the input field Output Devices and click “Display” button.
3. On the next screen, click on the button “Change” from the toolbar.
4. On the next screen, click on the button “Create” from the toolbar.
5. You will be navigated to the screen “Spool Administration: Create Output Device” then fill the below required information under following TAB’s.

Device Attributes:

Device Type: select the appropriate line driver from the list that best suits your Bluetooth printer.

Device Class: select the option “Standard Printer”.

The screenshot shows a web-based interface titled "Spool Administration: Output Device (Display)". At the top, there are icons for edit, help, print, and other functions. Below the title bar, the "Output Device" field is set to "ZKNP" and the "Short name" field is also "ZKNP". A tabbed interface is present with four tabs: "DeviceAttributes" (selected), "Access Method", "Output Attributes", and "Tray Info". Under the "DeviceAttributes" tab, the "Device Type" dropdown is set to "YZB200 : Zebra label printer 203dpi" and the "Device Class" dropdown is set to "Standard printer". Below these, there is an empty "Authorization Group" field. Further down, there are fields for "Model" (empty), "Location" (set to "Synactive"), and "Message" (set to "Test"). At the bottom, there is a checkbox labeled "Lock Printer in SAP System" which is currently unchecked.

Field	Value
Output Device	ZKNP
Short name	ZKNP
Device Type	YZB200 : Zebra label printer 203dpi
Device Class	Standard printer
Authorization Group	
Model	
Location	Synactive
Message	Test
Lock Printer in SAP System	<input type="checkbox"/>

Access Method:

Host Spool Access Method: Need to set it to “F: Printing on Front End Computer”.

Host Printer: __default.

The screenshot shows a window titled "Spool Administration: Output Device (Display)". At the top, there is a toolbar with icons for edit, help, print, and other functions. Below the toolbar, the "Output Device" is set to "ZKQP" and the "Short name" is also "ZKQP". There are four tabs: "DeviceAttributes", "Access Method", "Output Attributes", and "Tray Info". The "Access Method" tab is selected. Under this tab, the "Host Spool Access Method" is set to "F: Printing on Front End Computer" via a dropdown menu. Below that, the "Host printer" is set to "__default" in a text field. There is a checkbox labeled "No Device Selection at Frontend" which is currently unchecked. At the bottom of the window, it says "No status information available".

Output Attributes:

SAP cover page language: Set it as EN.

Process requests sequentially: Place a check.

Copy Counter: Select the option “Pass Copy Counter to Host Spool System”.

Print mode: Select the option “DEFAULT: Printer default setting”

Paper tray: Select the option “Default tray”.

Also provide a short name for the Output device and click on “Save” button.

The screenshot shows the 'Spool Administration: Output Device (Display)' window. At the top, there is a title bar with the text 'Spool Administration: Output Device (Display)'. Below the title bar, there is a toolbar with icons for edit, delete, print, and other functions. The main area is divided into tabs: 'DeviceAttributes', 'Access Method', 'Output Attributes' (selected), and 'Tray Info'. In the 'Output Attributes' tab, there are two sections. The first section, 'Output request processing', contains the following settings: 'SAP cover page' is checked, 'SAP cover page language' is set to 'EN', 'Monitor using monitoring architecture' is unchecked, 'Process requests sequentially' is checked, and 'Copy Counter' is set to 'Pass Copy Counter to Host Spool System'. The second section, 'Output attributes for list drivers and Smart Forms', contains the following settings: 'Color printer' is unchecked, 'Print mode' is set to 'DEFAULT: Printer default setting', and 'Paper tray' is set to 'Default tray'. The 'Output Device' field is set to 'ZKNP' and the 'Short name' field is also set to 'ZKNP'.

Spool Administration: Output Device (Display)

Output Device: ZKNP Short name: ZKNP

DeviceAttributes Access Method **Output Attributes** Tray Info

Output request processing

☒ SAP cover page SAP cover page language: EN

☐ Monitor using monitoring architecture

☒ Process requests sequentially

Copy Counter: Pass Copy Counter to Host Spool System

Output attributes for list drivers and Smart Forms

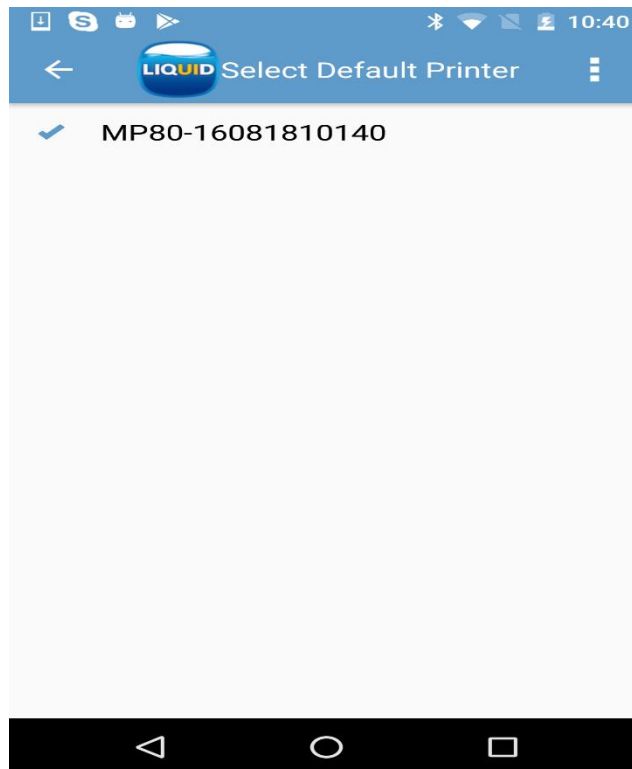
☐ Color printer

Print mode: DEFAULT: Printer default setting

Paper tray: Default tray

B. Pairing Bluetooth Printer with the Android device:

1. Turn on the Bluetooth printer and switch on the Bluetooth on your android device.
2. Pair your device with the Bluetooth printer by navigating to the Bluetooth section under Settings on your device.
3. Start the Liquid UI Android and navigate to settings - symbolically three horizontal lines to the top left corner on the “SERVER CONNECTIONS” screen.
4. Select “App Settings” and choose “Default Printer”.
5. You will see the Bluetooth printer name in the list. Tap on it to select.
6. A tick mark will be placed at the front of the name indicating selection.
7. You can also Tap and hold on the name to utilize other options i.e., to clear printer selection and also to update Bluetooth Printer’s device credentials within the app.



Once pairing is done you can navigate to any native SAP transaction on your SAP system to generate a Bluetooth print using the print command i.e., with the help of print button.

Advisory Notes:

1. Make sure that your Bluetooth printer is only paired to one Android device at a time as few of the printers cannot remember or pair multiple devices at a time.
2. It is also better to maintain only the Bluetooth printer as paired or default in the list of paired devices section of Bluetooth settings and in the list of default printer selection within the App Settings of the Liquid UI Android.

Interesting Facts:

1. You need not make default printer selection each time you start the application.
2. Print generation can be done even at a distance of atleast 10 meters. If there is a loss of Bluetooth connectivity between the Application and the printer while generating the print, the app pops-up a dialogue box stating “loss of connectivity” and once you select OK it re-establishes connection and generates the print.

C. Setting the output device for a user:

1. Navigate to the transaction SU01.
2. On the Initial Screen, enter the user and click on “change” button from the tool bar.
3. Now navigate to the tab “Defaults” and enter the Output Device name within the input field “Output Device” or use f4 help to make the selection.
4. Click on “Save” button.
5. The information message will be appear at the bottom of the screen confirming the changes made.

Note: You need to have administrative privileges for your “SAP user logon” to make such changes.

