

Printing a Rotated Image – Zebra Android Link-OS™ SDK – Java

This sample application allows you to select a rotation angle for an image taken by a camera or from an image gallery, and then print it over Bluetooth or TCP connection using new Zebra Link-OS SDK.

This application, developed using the Android SDK, is designed for any handheld device that runs on Android Version 4.1 or newer.

This updated code has a new User Interface (UI) and implements [Zebra's Best Practices](#).

Note: This application is provided AS-IS, for example purposes only.

Technical Prerequisites

You must have:

- A Zebra printer with Bluetooth or WI-FI enabled capabilities.
- An Android device and Zebra Printer connected through Bluetooth or same WI-FI network.

Note: (Optional) – Android device has an enabled scanner

Connecting To Your Printer

1. Start the application on your Android device.

The Print Rotated Image screen appears.

The screenshot shows the 'PrintRotatedImage' application interface. At the top, the status bar displays various icons and '70% 3:31 PM'. The app title 'PrintRotatedImage' is in a blue header. Below it, the Zebra Technologies Corp. logo and contact information are displayed: 'Zebra Technologies Corp. ISV TEAM, Lincolnshire IL, 60069. Visit developer.zebra.com for more support.' The connection options are 'IP/DNS' (selected with a green radio button) and 'Bluetooth (R)' (unselected with a grey radio button). There are input fields for 'Ip Address:', 'Port:', and 'MAC Address:'. Below these is a 'Choose Rotation:' section with a dropdown menu showing '0'. At the bottom, there is a 'Choose an Image' button and a checkbox labeled 'Check to store on printer'.

2. Do one of the following:
 - If connecting through WI-FI, select **IP/DNS**, type the IP address and port (default is 9100).
 - If connecting through Bluetooth, select **Bluetooth**, and enter the MAC address (it must be entered in lower cases without any gap).

Note: Make sure the printer is on to properly connect.

Choosing a Rotation Angle and Image

1. Select **Choose Rotation**.


The Print Rotated Image screen displays a drop-down menu.

The screenshot shows a mobile application interface titled "PrintRotatedImage". At the top, there is a status bar with various icons and a battery level of 70% at 3:33 PM. Below the title bar, there is a Zebra Technologies Corp. header with the text "ISV TEAM, Lincolnshire IL, 60069. Visit developer.zebra.com for more support." Below this, there are two radio buttons for connection options: "IP/DNS" and "Bluetooth (R)". Under "IP/DNS", there are input fields for "Ip Address:" (170.30.20.10), "Port:" (9100), and "MAC Address:" (ac3fa409efe5). Below these, there is a "Choose Rotation:" label and a dropdown menu. The dropdown menu is open, showing options: 0, 90, 180, and 270. Below the dropdown, there is a "Choose an Image" button and a checkbox labeled "Check to:".

2. Select a rotation angle.

AT&T 84% 12:20 PM

PrintRotatedImage



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☒ IP/DNS ☐ Bluetooth (R)

Ip Address:

Port:

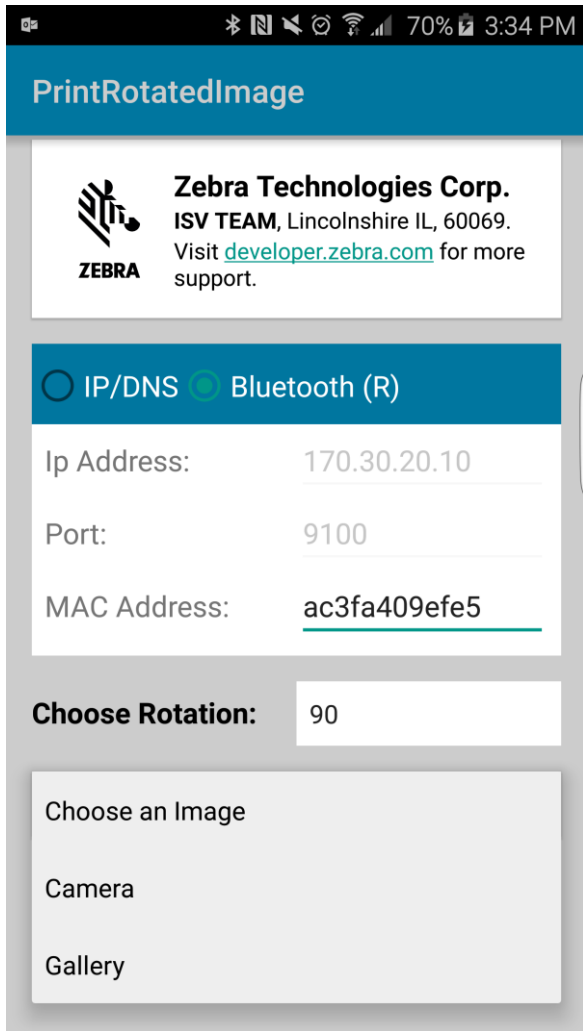
MAC Address:

Choose Rotation:

☐ Check to store on printer

3. Press **Choose an Image**.

The Choose an Image drop-down menu appears.



4. Select one of the following options:
 - Camera
 - Gallery
5. Navigate to the image that you desire.
6. Once you select the image, the application sends it to the printer and prints the image with the appropriate rotation angle.

For more information on developing Android solutions, go to [Getting Started with Android Development – Zebra Android Link-OS™ SDK](#).

Document Control

Version	Date	Description
1	December, 2010	Initial Release
2	November, 2015	Updated the IDE from Eclipse to Android Studio. This updated code has a new User Interface (UI) and implements Zebra's Best Practices
3	July, 2017	Updated Gradle to version 3.3 and Build Tools to version 25.0.0

All links and information correct at time of writing

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