

Connect and Print PDFs Using PDF Direct Over Bluetooth – Java – Android Studio

Zebra has changed the game by creating PDF Direct – Virtual Device that allows Link-OS™ printers to directly receive and print PDFs.

This sample application illustrates how to print a PDF on a printer with a PDF Virtual Device installed. The app allows you to select a printer connected via Bluetooth and any PDF file stored on the device.

This app, created using the Android SDK and Zebra's [Link-OS Multi-Platform SDK](#) (version 2.11), was developed for devices running Android 4.4 or newer.

This code follows [Zebra's Best Practices](#), including printer status verification.

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

Technical Requirements

You must have:

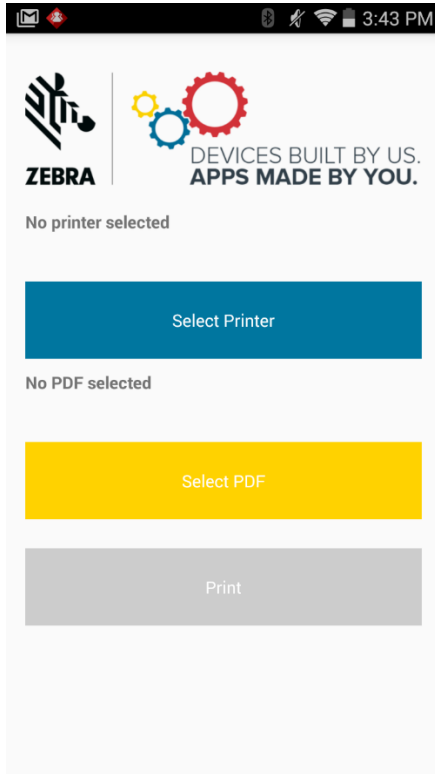
- A device running Android 4.4 or later
- A Zebra Link-OS Printer with Bluetooth capabilities
- A Zebra [PDF Direct - Virtual Device](#)

Note: The PDF Direct – Virtual Device is purchased Zebra firmware and must be installed on the printer prior to running the app.

Connecting to the Printer

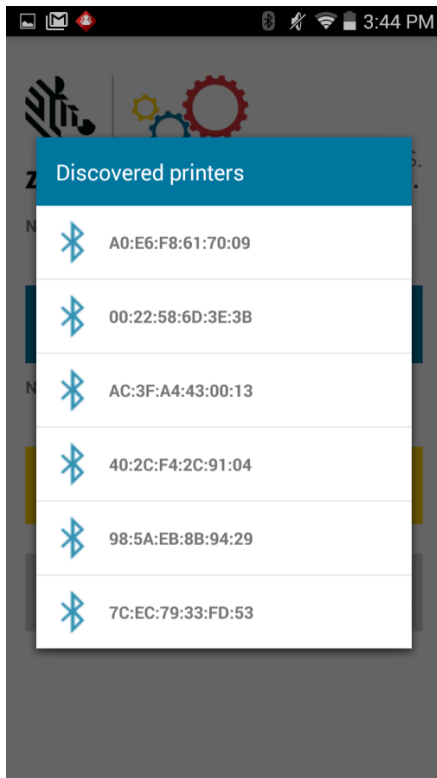
1. Open the application on the Android Device.

The following dialog appears.



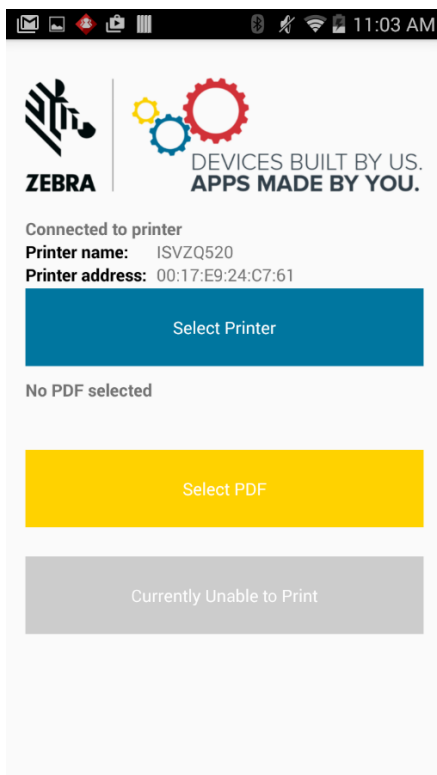
2. Click **Select Printer**.

The Discovered printers dialog appears.

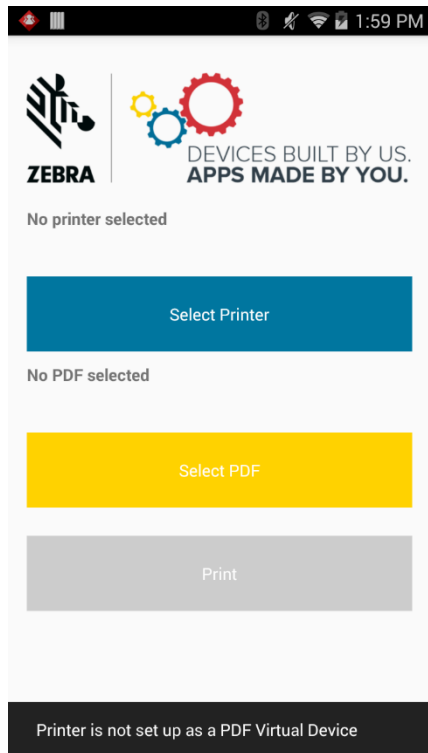


3. Select the printer to which you wish to print.

The Printer name and Printer address appear at the top of the dialog.

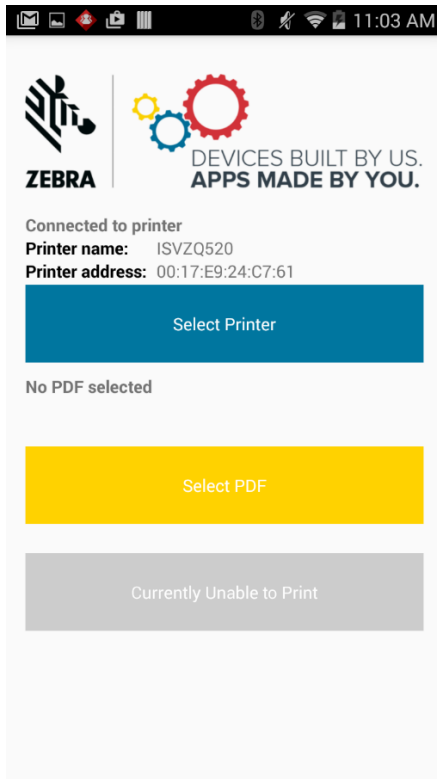


Note: If you select a printer that is not set up as a PDF Virtual Device, you receive the following error message at the bottom of the dialog.

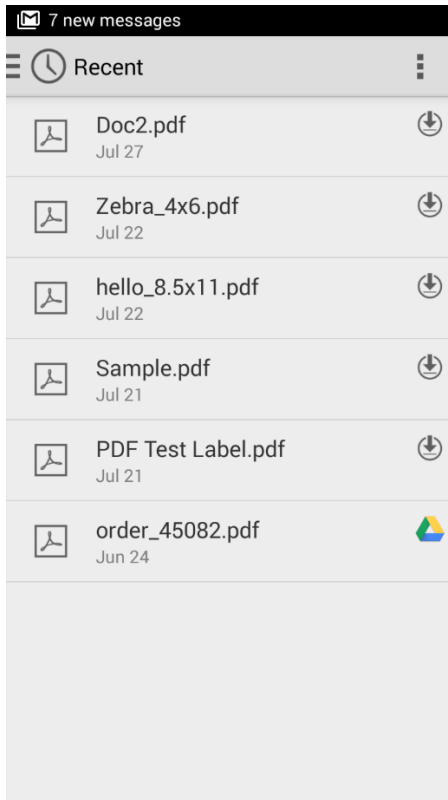


Selecting a PDF File

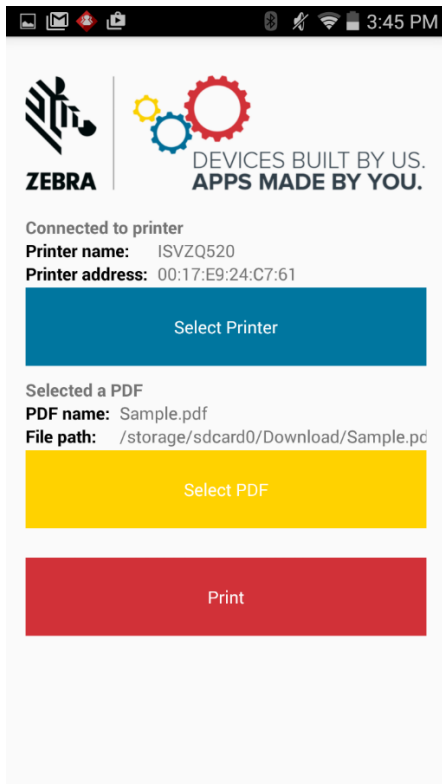
1. Click **Select PDF**.



2. Navigate to and select the PDF you wish to print.



The PDF name and File path appear in the dialog.



Note: The app is only able to scale PDFs to fit when running on Android 5.0 or later. PDFs printed from a device running anything before will print their actual size.

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

<Final Page>

Document Control

Version	Date	Description
1	August, 2016	Initial release
2	July, 2017	Updated Gradle to version 3.3. Updated Build Tools to version 25.0.0

Disclaimer

This app was fully tested using a Zebra TC75 running Android version 4.4.3. It printed to a standard ZQ520 with a PDF virtual device installed.

All links and information provided within this document are correct at time of writing.

Created for Zebra Global ISV Program by Zebra Development Services.



The right asset. In the right place. At the right time.

