

## Retrieving Printer Formats and Files – Zebra Android Link-OS™ SDK – Java

This sample application demonstrates how to connect to printers over Bluetooth and TCP/IP using the Zebra Link-OS SDK and then list the stored printer formats or files on the Android Device. 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.
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).

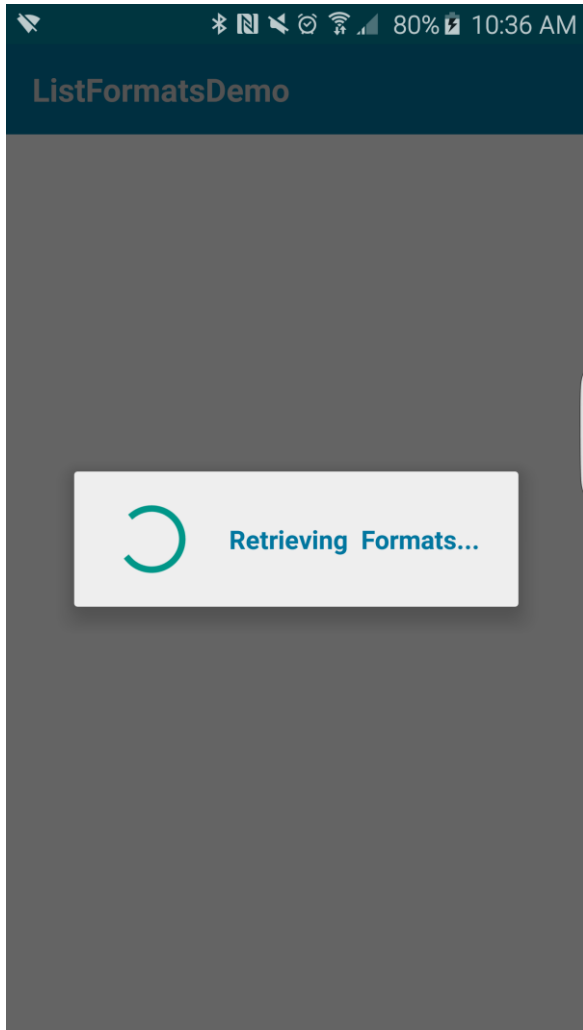
**Note:** Make sure the printer is on to properly connect.

The screenshot shows the 'ListFormatsDemo' application running on an Android device. The status bar at the top indicates 'AT&T' service, various notification icons, 36% battery, and the time 11:56 AM. The app's header is a blue bar with the text 'ListFormatsDemo'. Below the header is a white card containing the Zebra Technologies Corp. logo and contact information: 'Zebra Technologies Corp. ISV TEAM, Lincolnshire IL, 60069. Visit [developer.zebra.com](https://developer.zebra.com) for more support.' Below this card is a blue bar with two radio buttons: 'IP/DNS' (selected) and 'Bluetooth (R)'. Underneath are three input fields: 'Ip Address:' (empty), 'Port:' (empty), and 'MAC Address:' (containing 'ac3fa409efe5'). At the bottom are two white buttons with blue text: 'RETRIEVE FORMATS' and 'RETRIEVE FILES'.

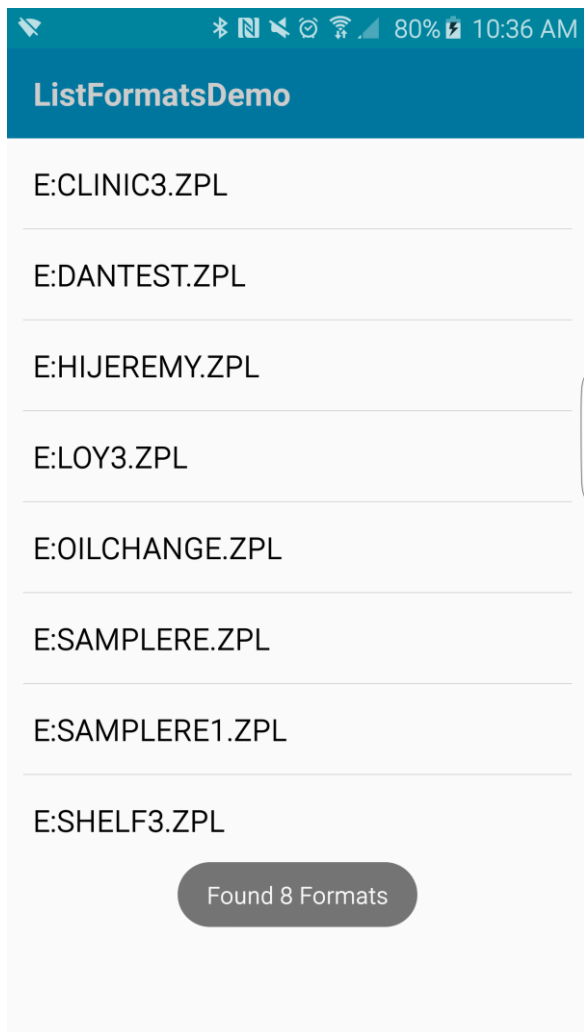
## Retrieving Formats and Files

1. Select one of the following.
  - RETRIEVE FORMATS
  - RETRIEVE FILES
2. Depending on the option you select, your device displays one of the following images.

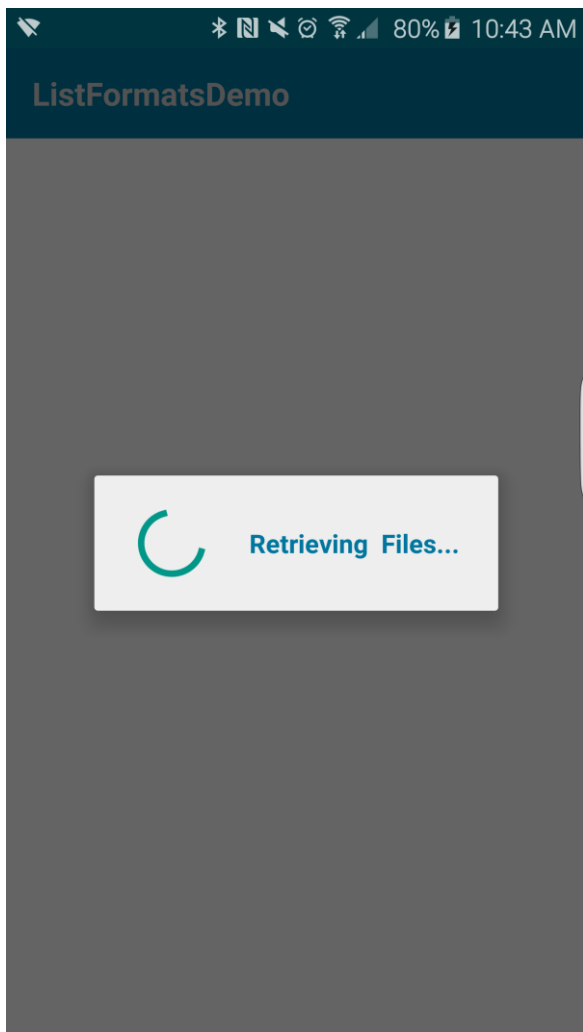
Retrieve Formats



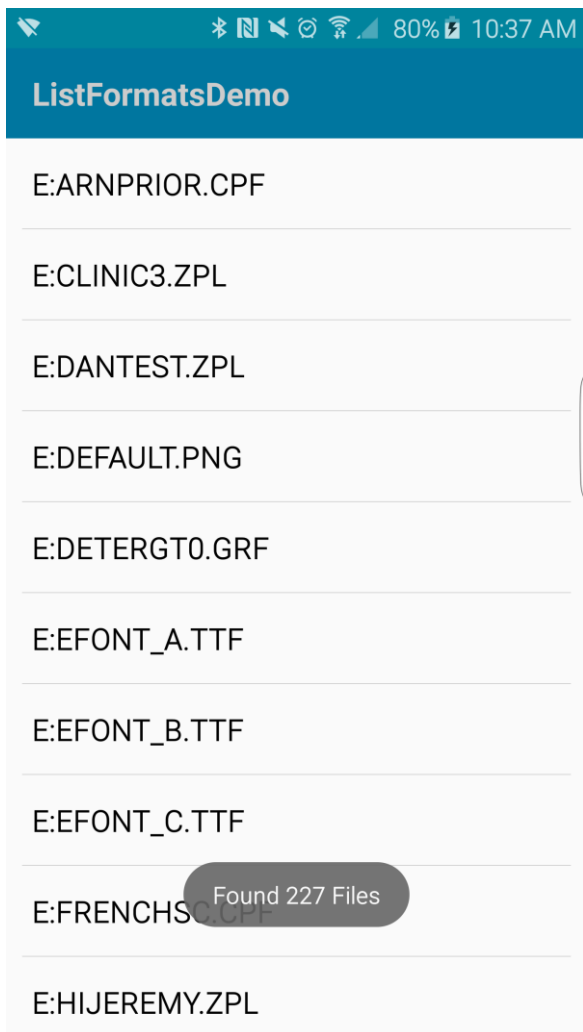
## Retrieve Formats results



## Retrieve Files



## Retrieve Files results



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 Build Tools to version 25.0.0 and Grade to version 3.3

All links and information correct at time of writing

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