

Using the Set-Get-Do (SGD) Commands – Zebra Android Link-OS™ SDK – Java

This sample application demonstrates how to use Set-Get-Do commands to set the value of printer configuration variables, and get the value when the same variable has been called. This application uses Zebra Link-OS SDK.

SGD commands allow you to configure the settings on printers. The printer performs the function you specify immediately after receiving the command.

The commands are:

- setvar – Use to configure printer settings to specific values
- getvar – Use to get the current value of the printer settings
- do – Use to instruct the printer to perform predefined actions

For more information on possible variables to use, refer to the ZPL [Programming Guide](#).

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 SetGetDoDemo screen appears.

AT&T 72% 12:07 PM

SetGetDoDemo

 **Zebra Technologies Corp.**
ISV TEAM, Lincolnshire IL, 60069.
Visit developer.zebra.com for more support.


☒ IP/DNS ☐ Bluetooth (R)

Ip Address:

Port:

MAC Address:

CONNECT

 **ZEBRA**

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.


AT&T

4G LTE

72%

1:31 PM

SetGetDoDemo



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☒ IP/DNS ☐ Bluetooth (R)

Ip Address:

170.30.10.20


Port:

9100

MAC Address:

ac3fa409efe5

CONNECT

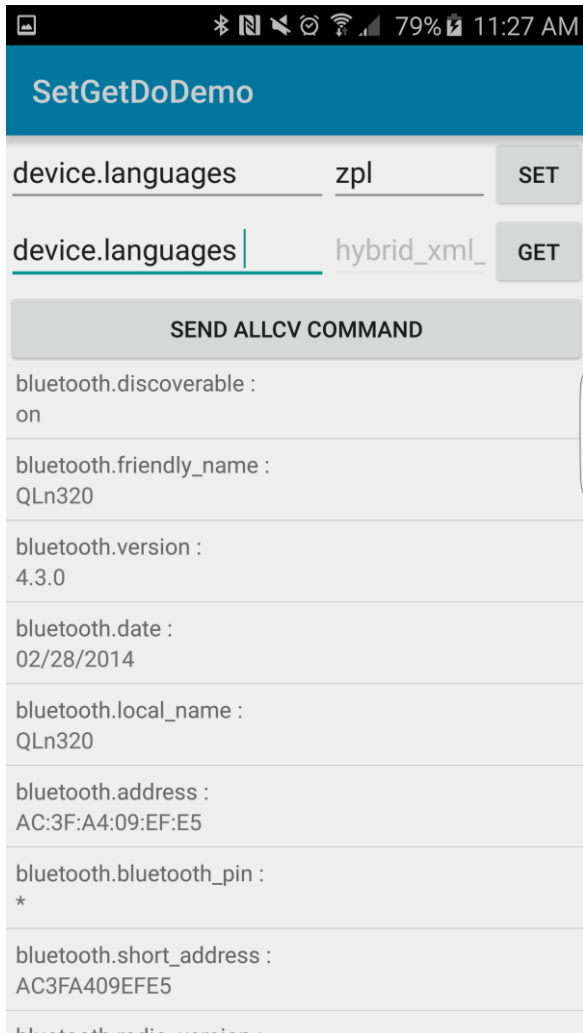


3. Press **CONNECT**.

The application navigates to the screen where you can test the:

- Set commands
- Get commands
- Send ALLCV commands to the printer

The screenshot shows a mobile application interface titled "SetGetDoDemo". At the top, there is a status bar with "AT&T", signal strength, battery at 89%, and time 3:50 PM. Below the title bar, there are two input sections. The first section has a label "Enter Variable Name" followed by a "Value" input field and a "SET" button. The second section has a label "Enter Variable Name" followed by a "Value" input field and a "GET" button. Below these sections is a button labeled "SEND ALLCV COMMAND". The bottom half of the screen is a large, empty light gray area, likely for displaying output or logs.



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	December, 2015	Updated the IDE from Eclipse to Android Studio. Sets the value for the printer commands and gets the value. Can get the ALLCV of the printer. This updated code has a new User Interface (UI) and implements Zebra's Best Practices
3	July, 2017	Updated Gradle version to 3.3

All links and information correct at time of writing

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