



Standard Operating Procedures

Barcode Printer (Android)

Purpose

This document is intended for use as a user manual for the Barcode Printer Android application. It outlines important points of information related to the installation and usage of the application along with the Zebra ZD420 Printer.

System Requirements

- Device OS: Android 6.0+
- Bluetooth is required to connect to a Zebra ZD420 Printer

1. Installing “Barcode Printer” for Android

You can download and install the latest APK release of the Android application from the following website:

<https://barcode-printers-namibia.globalhealthapp.net/android.html#releases>

2. Connecting to a Zebra ZD420 Printer

The Android application requires a Bluetooth connection to the Zebra ZD420 Printer to print barcode labels.

1. Set up the Zebra ZD420 Printer and make sure it is ready for printing.

Note - Refer to the *Printer Setup Guide* for more information:

<https://barcode-printers-namibia.globalhealthapp.net/resources/zd420t-sg-en.pdf>

2. **Turn On** the Bluetooth on the device.
3. Launch the “**Barcode Printer**” application.
4. Select “**Scan Bluetooth Barcode**” from the top-right menu options.



5. Scan the Bluetooth MAC Address with the integrated barcode scanner.

The MAC address is typically located on the bottom of the printer, and is shown as a number with the following format: **xx:xx:xx:xx:xx:xx**. E.g., **0A:1B:2C:3D:4E:5F**

Note - Make sure you allow Camera permissions to use the integrated barcode scanner.

6. Once the MAC Address has been successfully scanned, you are now ready to print barcode labels with the Zebra ZD420 Printer.

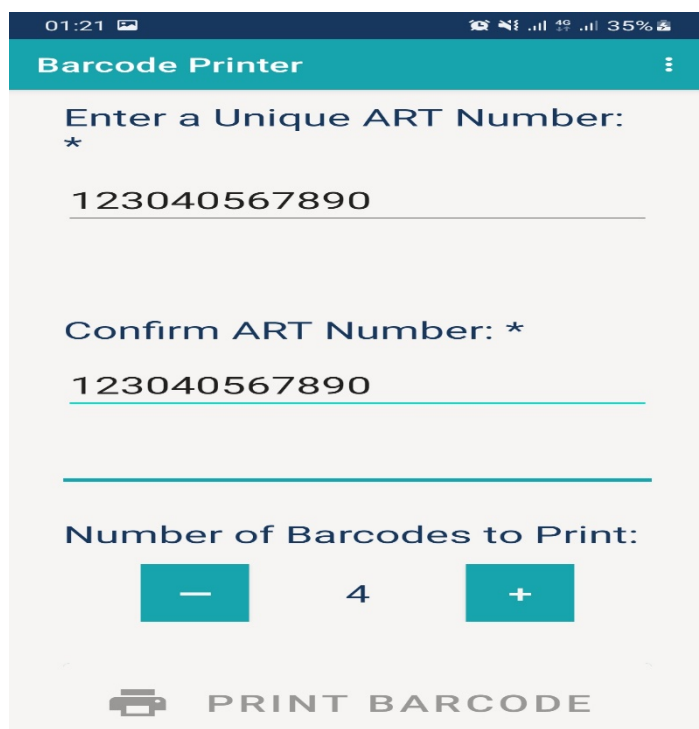
3. Printing a Unique ART Barcode Label

The Android application prints a specific number of ART numbers on self-adhesive labels with a Zebra ZD420 Printer via Bluetooth. The unique ART number is printed below the barcode with the format: **999 MMY 99999**, as seen below.



Step 1

Open the **Barcode Printer** application.



Step 2

Enter a Unique ART Number with the following format: **999MMYY99999**

Enter a Unique ART Number: *

e.g. 123040567890

Step 3

Confirm the Unique ART Number by re-entering the same number.

Confirm ART Number: *

Step 4

Select the number of barcode labels you wish to print, in multiples of 4.

Number of Barcodes to Print: - 4 +

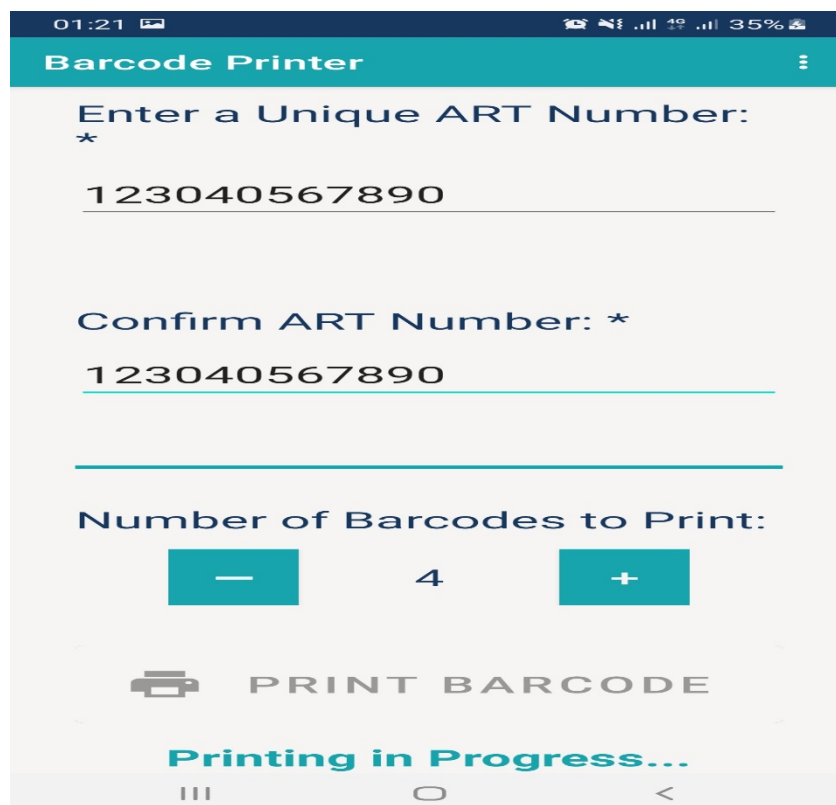
Step 5

Click on **Print Barcode** when you are ready to print.

PRINT BARCODE


Note - Make sure the labels are properly loaded and aligned in the printer before printing.
Refer to the **Printer Setup Guide** for more information.

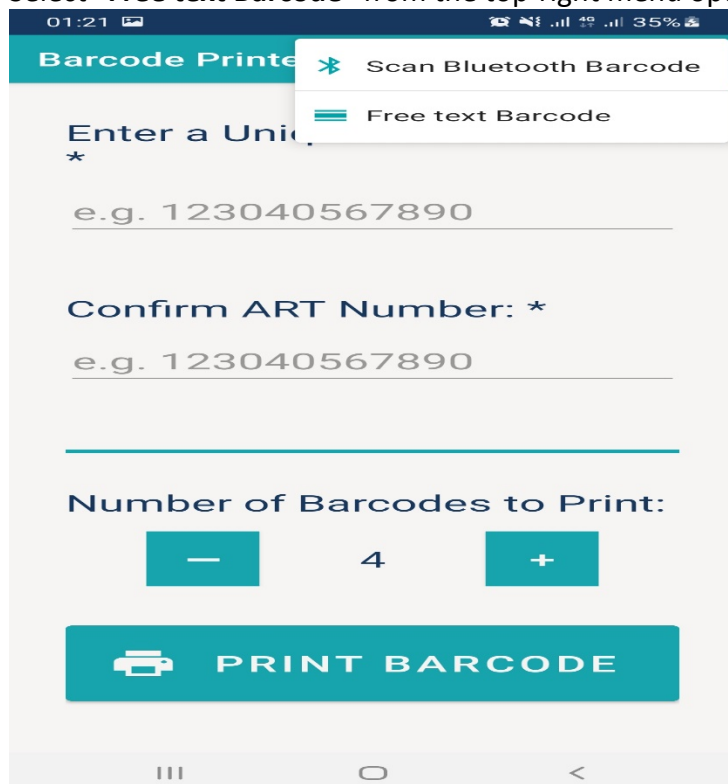
<https://barcode-printers-namibia.globalhealthapp.net/resources/zd420t-sg-en.pdf>



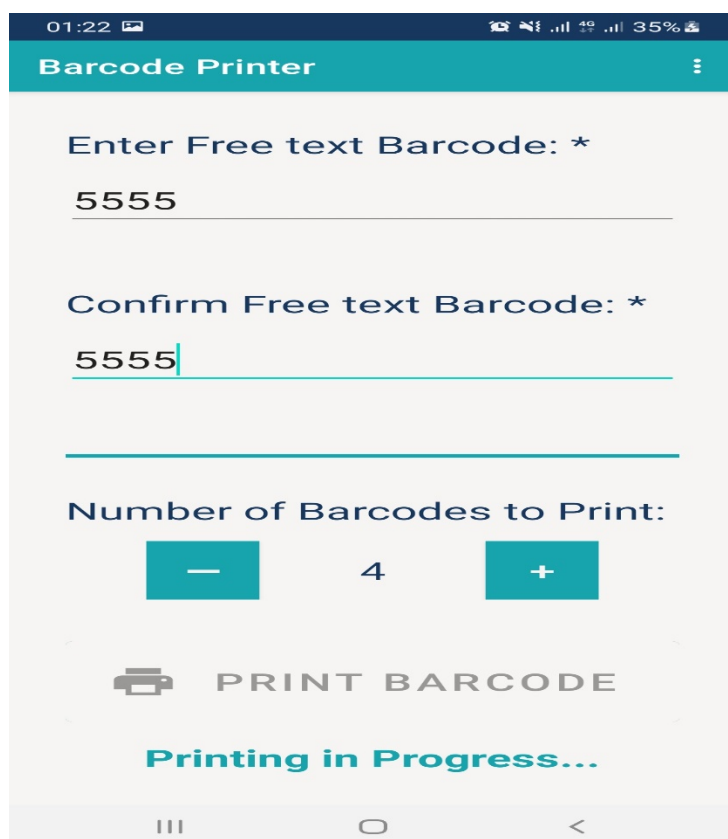
The screenshot shows the Barcode Printer app interface on a mobile device. At the top, the status bar shows the time 01:21 and battery level 35%. The app title "Barcode Printer" is in a teal header. The main screen displays the following steps: 1. "Enter a Unique ART Number: *" with the input field containing "123040567890". 2. "Confirm ART Number: *" with the input field containing "123040567890". 3. "Number of Barcodes to Print:" with a numeric keypad showing "-", "4", and "+". 4. A large teal button labeled "PRINT BARCODE" with a printer icon. 5. A teal status bar at the bottom that says "Printing in Progress..." with a progress indicator.

Step 6

Select “Free text Barcode” from the top-right menu options  to print free text labels.



The screenshot shows the 'Barcode Printer' app interface. At the top, there is a teal header with the text 'Barcode Printer' and a three-dot menu icon. Below the header, there is a dropdown menu with two options: 'Scan Bluetooth Barcode' (with a blue icon) and 'Free text Barcode' (with a teal icon). The main screen has a light gray background. It contains the following elements: a label 'Enter a Unit: *' with a text input field containing 'e.g. 123040567890'; a label 'Confirm ART Number: *' with a text input field containing 'e.g. 123040567890'; a label 'Number of Barcodes to Print:' with a minus button, the number '4', and a plus button; and a large teal button with a printer icon and the text 'PRINT BARCODE'. At the bottom, there is a navigation bar with three icons: a list icon, a home icon, and a back icon.



The screenshot shows the 'Barcode Printer' app interface after selecting 'Free text Barcode'. The top header is teal with the text 'Barcode Printer' and a three-dot menu icon. The main screen has a light gray background. It contains the following elements: a label 'Enter Free text Barcode: *' with a text input field containing '5555'; a label 'Confirm Free text Barcode: *' with a text input field containing '5555'; a label 'Number of Barcodes to Print:' with a minus button, the number '4', and a plus button; and a large teal button with a printer icon and the text 'PRINT BARCODE'. Below the button, there is a teal text label 'Printing in Progress...'. At the bottom, there is a navigation bar with three icons: a list icon, a home icon, and a back icon.