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Revision History

Changes to the original guide are listed below:

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Introduction

This guide provides information about the Zebra Scanner SDK for Chrome OS.

Chapter Descriptions

Topics covered in this guide are as follows:

- Using the Barcode Scanner Control App for Chrome provides detailed information about using the Barcode Scanner Control App for Chrome.

Notational Conventions

The following conventions are used in this document:

- **Bold** text is used to highlight the following:
  - Key names on a keypad
  - Button names on a screen

- Bullets (•) indicate:
  - Action items
  - Lists of alternatives
  - Lists of required steps that are not necessarily sequential
  - Sequential lists (e.g., those that describe step-by-step procedures) appear as numbered lists.

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Introduction

The Barcode Scanner Control App for Chrome demonstrates the capabilities of Zebra Scanner SDK for Chrome OS.

Features/Operations

NOTE: To perform these operations, Chrome developer mode should be enabled on the host device.

- Discover direct and cascaded barcode scanners.
- Connect to barcode scanners.
- Disconnect from barcode scanners.
- Disable barcode scanners.
- Enable barcode scanners.
- Read barcode data.
- Read weight from the scale integrated barcode scanners.
- Zero scale.
- Reset scale.
- Read asset information (Communication Interface, Vendor ID, Product ID, Serial number, Serial number, Firmware version).
- Aim Control.
- Pull trigger.
- Release trigger.
- Beeper control.
- LED control.
- Get device topology.
Requirements

Chrome version 69 or higher.

Setting Up the Demo App

To set up the demo app:

1. Enable developer mode to install an unpublished Chrome OS app on your browser.
   a. Open Chrome and select the Menu button (冤) at the top right.
   b. Navigate to More tools > Extensions.
   c. Select Developer mode in top-right corner.

   NOTE: You can also access the screen displayed in Figure 1 by entering chrome://extensions/ in the browser address bar.

2. Download and extract the Demo App zip folder to a location on your local hard drive.
3. From the Extensions page, select Load unpacked.
4. Navigate to the saved Demo App root folder DemoApp_for_ChromeOS_vX.X.X.X and select it to load the application.
5. The Barcode Scanner Control App for Chrome - Demo Application displays on the Extensions page below Chrome Apps.
confirmation

To remove the demo app:
1. Open Extensions and scroll down to Barcode Scanner Control App for Chrome - Demo Application.
2. Select Remove.
3. Select Remove from the information dialog.

Executing the Demo App

Running the Demo App in Chrome Browser

To execute the demo app running on the Chrome browser:
1. Open Apps Launcher for Chrome in the Chrome browser.
2. Select Barcode Scanner Control App for Chrome.

Figure 2  Running the Demo App in the Chrome Browser
Running the Demo App in Chromebook

To run the demo app in Chromebook, open Apps.

Figure 3  Running the Demo App in Chromebook

Discovering Scanners

To discover scanners:

1. Select Discover to find available Zebra scanner devices. Available scanners populate in the drop-down list.

Figure 4  Discover Available Scanners

NOTE: Only Scanners in SNAPI host manageable mode are listed in the discovered scanners list.

2. Select a scanner to display its details (Communication Interface, Serial Number, Model Number, Firmware version, Date of Manufacture, Configuration) in the Assert Information section.
Connecting to a Barcode Scanner

To connect a scanner:

1. Select a scanner in the Barcode Scanner drop-down list.

Figure 5  Connect a Scanner

2. Select Connect to connect to the root scanner selected. Barcode scanner asset information displays upon establishing a successful connection with the scanner.

NOTE: After a successful connection, select Connect again to disconnect from the scanner.

Disconnecting from a Scanner

To disconnect a scanner:

1. Select Disconnect to disconnect the connected scanner displayed in the Barcode Scanner drop-down list.
Figure 6  Disconnect a Connected Scanner

NOTE: After a disconnect, select Connect again to re-connect the scanner displayed in the Barcode Scanner drop-down list.

2. Alternatively, select a different scanner from the drop-down list to disconnect another connected scanner and/or connect to another.

Displaying Barcode Data

To display barcode data (Decoded data and Symbology) in the Data Capture/Scale section, scan a barcode with a connected scanner.

Figure 7  Barcode Data
Using Auxiliary Scanners

To send a command to an auxiliary scanner, select the auxiliary scanner from the Barcode Scanner drop-down list.

**Figure 8** Auxiliary Scanner Section

Enabling a Barcode Scanner

To enable a scanner for barcode decoding, select **Enable**. By default the scanner is enabled when it is connected to a host.

**Figure 9** Enabling the Connected Scanner
Disabling a Scanner

Select **Disable** to disable a scanner preventing barcode decoding.

**Figure 10  Disabling the Connected Scanner**

Selecting a Beeper Pattern

To select a beep pattern:

1. Select a beep pattern from the Beeper drop-down list for the connected scanner displayed.

**Figure 11  Selecting a Beep Pattern for the Connected Scanner**

2. Select **Beep**.

3. Upon successful barcode decode the selected beep pattern sounds.
Selecting an LED Illumination Option

To select an LED option:

1. Select an LED option from the LED drop-down list for the connected scanner displayed.

2. Select Set LED.

3. Upon barcode decode the selected LED option executes.

Turning Aim On

Select Aim On to turn on aiming for the connected scanner displayed.
Turning Aim Off

Select Aim Off to turn off aiming for the connected scanner displayed.

Figure 14  Turning Aim Off for the Connected Scanner

Reading Scale Weight

Reading scale weight is available on scanners with an integrated scale function.

To read the current scale weight, select Read Weight. The weight and the unit of measure displays in the respective text boxes.

Figure 15  Reading the Weight From a Connected MP6XXX/MP7XXX Scanner
Zeroing a Scale

Select **Zero Scale** to zero out the current weight reading on the scale.

**Figure 16** Zeroing Out Scale Weight in the MP6XXX/MP7XXX Scanner

Resetting the Scale

Select **Scale Reset** to reset the scale.

**Figure 17** Resetting the Scale in the MP6XXX/MP7XXX Scanner
Enabling/Disabling a Scale Integrated Scanner

Select **Scale Enable** to enable the scale integrated scanner to read weight.

**Figure 18**  Enabling the Scale Integrated Scanner

Enabling/Disabling a Scale Integrated Scanner

Select **Scale Disable** to deactivate reading weight on the scale.

**Figure 19**  Disabling the Scale Integrated Scanner
Pulling/Releasing Scanner Trigger

1. Select Pull Trigger to pull the scanner trigger to decode a barcode.
2. Select Release Trigger to release the scanner trigger.

Figure 20  Pull Scanner Trigger

Figure 21  Release Scanner Trigger