



ASR-A24D / ASR-M24D Demo App

User Manual

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Preface

This document describes the correct operation method of the application "ASR-A24D Demo App". Be sure to read this document carefully before using the application.

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About the ASR-A24D Demo App

The “AsReader ASR-A24D Demo App” (hereafter referred to as “Demo App”) is an Android-only application that customers can use together with our company’s DOCK-Type barcode reader ASR-A24D or ASR-M24D (hereafter referred to as “AsReader”). Customers can refer to this application when developing their own applications.

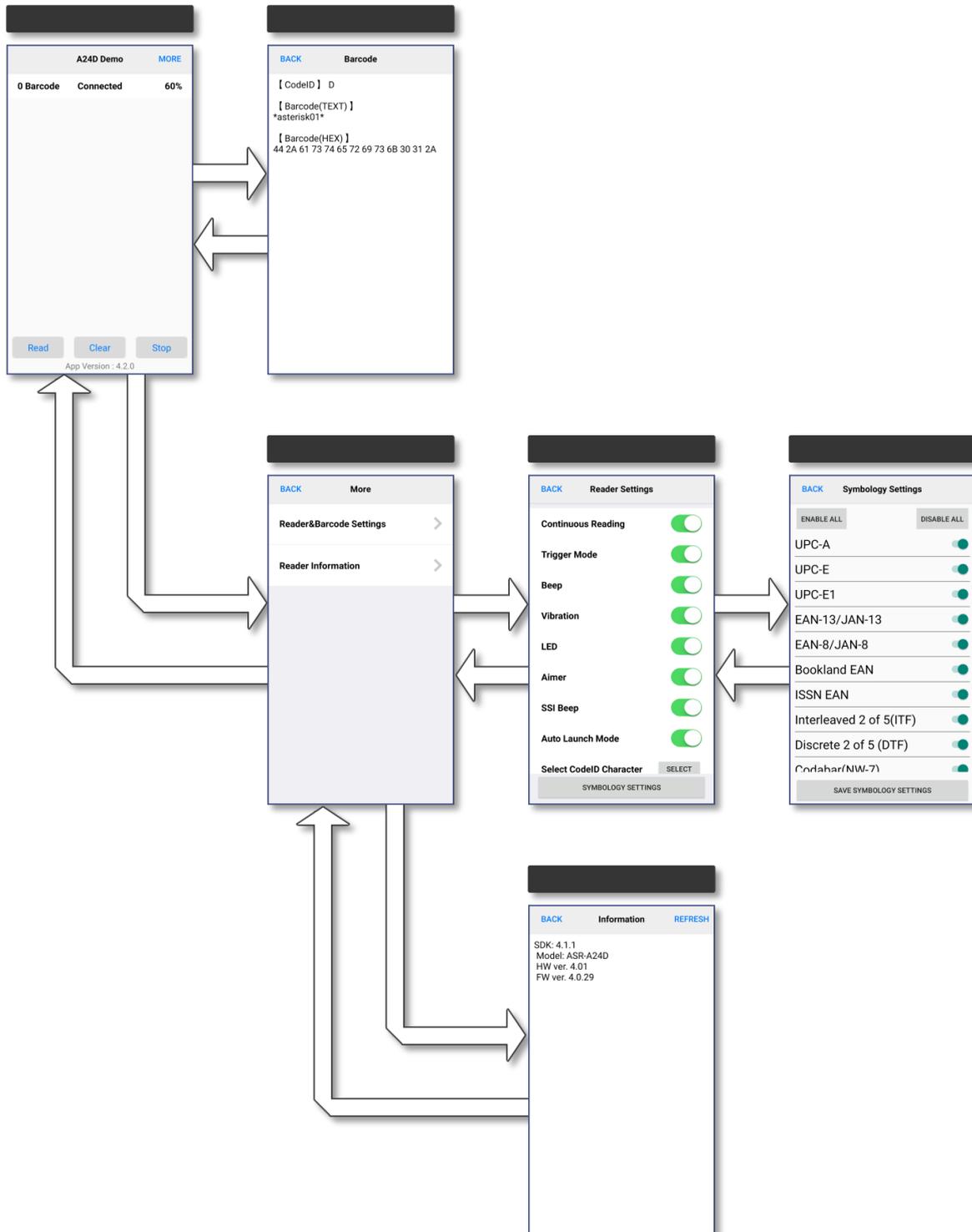
Please download this application from the URL below:

[<https://play.google.com/store/apps/details?id=jp.co.asterisk.asreader.a24d.demoapp>]

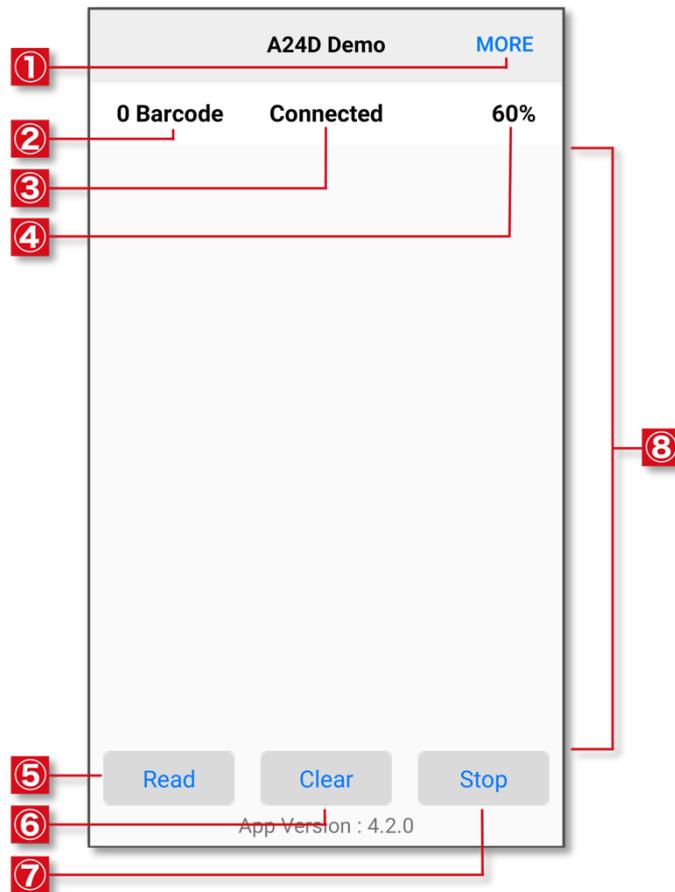
1. Screen Descriptions

The screen layout of the application is shown below. You can navigate between screens as indicated by the arrows.

The screen that shows up when the application is launched is the reading screen with the title "A24D Demo" displayed at the top.



2. How to Read



2.1 Description of Reading Screen

① Settings

Tap to go to the settings menu.

② Number of different barcodes

This number indicates the number of unique 1D/2D codes that have been read. It does not count when the same 1D/2D code is read more than once.

③ Connection Status of ASR-A24D

"Connected" is displayed when an ASR-A24D is connected. "Disconnected" when not connected.

④ Remaining battery of ASR-A24D

This number indicates the approximate remaining battery as follows:

Remaining battery	Displayed percentages
0~9%	0%
10~29%	20%
30~49%	40%
50~69%	60%
70~89%	80%
90~100%	100%

⑤ Read

Tap to start reading.

⑥ Clear

Tap to delete all the records in ⑧ Barcode data list.

⑦ Stop

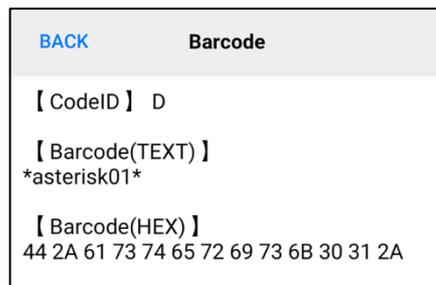
Tap to stop reading.

⑧ Barcode data list

A list of the read 1D/2D code data is displayed here. Tap individual data for details.

2.2 1D/2D code Details

Details of read 1D/2D codes are displayed as below (this image is an example):



● CODE ID

CODE ID characters or AIM CODEs of read 1D/2D codes are displayed here.

● Barcode(TEXT)

The information of read 1D/2D codes is displayed here as text.

● Barcode(HEX)

The information of read 1D/2D codes is displayed here in hexadecimal.

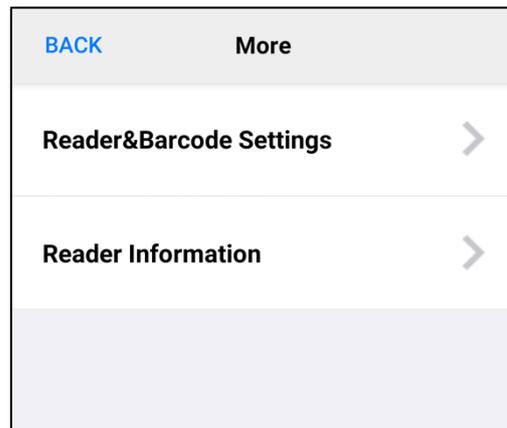
2.3 How to Read

Read 1D/2D codes using the following procedures.

- (1) Connect ASR-A24D to an Android device with its power on and the ASR-A24D will automatically be powered on.
- (2) A message like, "Allow A24D Demo to access AsReader?" appears. Press "OK" to proceed. This message may not be displayed, depending on the settings of your device.
- (3) A message like, "Open A24D Demo to handle AsReader?" appears. Press "OK" to proceed. This message may not be displayed, depending on the settings of your device.
- (4) Point the scanner of the ASR-A24D towards the 1D/2D code and press one of the trigger buttons or tap the "Read" button on the app's screen.

3. Settings Menu

The settings menu is viewed as follows:



- **Reader&Barcode Settings**

Tap to proceed to Reader Settings.

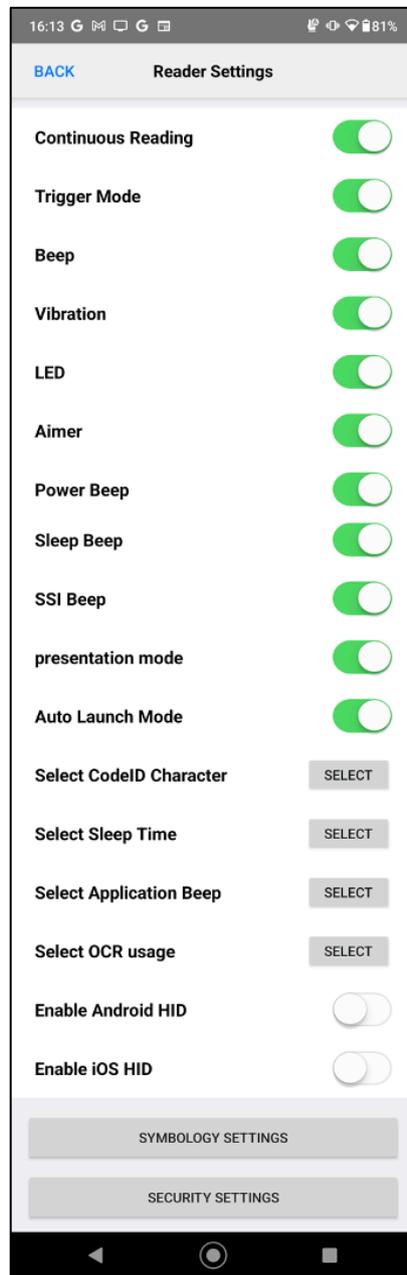
- **Reader Information**

Tap to proceed to AsReader information, including SDK, model, HW version, and FW version.

4. Settings

4.1 Reader Settings

In the Reader Settings, the following settings can be changed:



- **Continuous Reading (On/Off)**

When on, ASR-A24D reads 1D/2D codes continuously while a trigger button is pressed. When off, it reads once and stops.

- **Trigger Mode (On/Off)**

When on, you can read by pressing one of the trigger buttons. When off, trigger buttons are disabled for reading.

- **Beep (On/Off)**

Turn on/off the beep sound of ASR-A24D when reading. The volume is not influenced by Android volume or silent mode settings.

▷If you want to read silently, turn off Beep and set Application Beep to "None".

- **Vibration (On/Off)**

Turn on/off the vibration when reading 1D/2D codes.

- **LED (On/Off)**

Turn on/off battery level indication via LED by holding both trigger buttons for more than 2 seconds.

- **Aimer (On/Off)**

Turn on/off the red aiming laser when reading 1D/2D codes.

- **SSI Beep (On/Off)**

Turn on/off the beep sound when SSI command settings are changed.

- **Presentation Mode (On/Off) ★ New in v2.0**

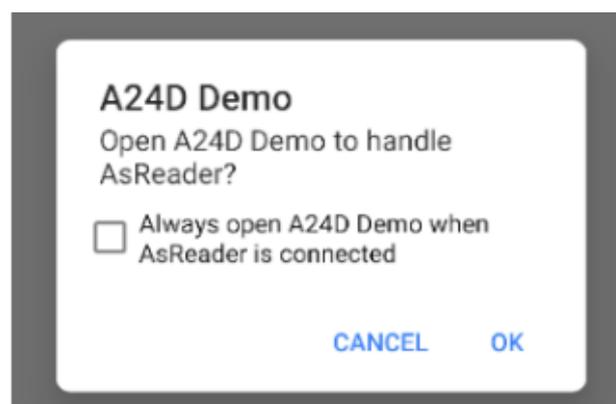
When enabled, the scanner automatically reads a 1D/2D code when one is detected within the scanning range, without pressing any trigger button.

- **Auto Launch Mode (On/Off)**

Turn on/off the message(s) that show up when connecting the AsReader.

▷To launch the Demo app automatically: Turn on Auto Launch Mode, close the app, disconnect and reconnect AsReader, then check the checkbox and tap "OK."

From the next time the AsReader is connected, the A24D Demo will launch automatically.



- **CODE ID Character (None/Symbol/AIM)**

Select whether the CODE ID character or AIM ID of the read 1D/2D code is displayed.

- **Sleep Time**

Sets the time for ASR-A24D to enter sleep mode when idle. Set to 'Non Sleep' to disable sleep.

- **Application Beep**

Select the beep sound from the Android device when reading. This beep is influenced by Android volume and silent mode.

▷If Application Beep is not "None" and Beep is "On", both sounds play simultaneously.

▷To read silently, turn off Beep and set Application Beep to "None."

- **OCR Usage** ★ **New in v2.0**

Sets the reading mode to OCR-A/B. When enabled, the scanner can recognize OCR-A and OCR-B formatted characters.

- **Enable Android/iOS HID** ★ **New in v2.0**

Switches to HID (Human Interface Device) mode for Android or iOS. Cannot switch when battery is 20% or below.

- **Symbology Setting**

Tap to proceed to Symbology Settings.

- **Security Settings** ★ **New in v2.0**

Sets the security level for symbology codes.

4.2 Symbology Settings

Select read/ignore for each symbol type.

[BACK](#) Symbology Settings

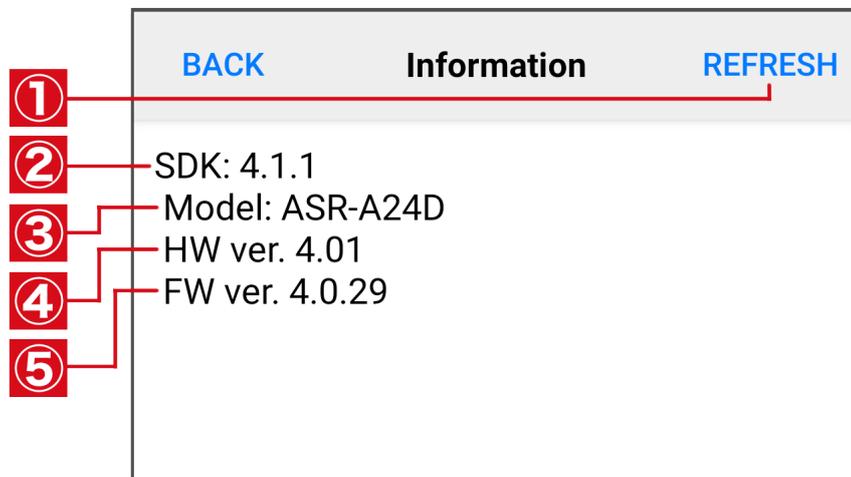
UPC-A	<input checked="" type="checkbox"/>
UPC-E	<input checked="" type="checkbox"/>
UPC-E1	<input checked="" type="checkbox"/>
EAN-13/JAN-13	<input checked="" type="checkbox"/>
EAN-8/JAN-8	<input checked="" type="checkbox"/>
Bookland EAN	<input checked="" type="checkbox"/>
ISSN EAN	<input checked="" type="checkbox"/>
Interleaved 2 of 5(ITF)	<input checked="" type="checkbox"/>
Discrete 2 of 5 (DTF)	<input checked="" type="checkbox"/>
Codabar(NW-7)	<input checked="" type="checkbox"/>
Code128	<input checked="" type="checkbox"/>
Code39	<input checked="" type="checkbox"/>
Code93	<input checked="" type="checkbox"/>
Code11	<input checked="" type="checkbox"/>
MSI	<input checked="" type="checkbox"/>
Chinese 2 of 5	<input checked="" type="checkbox"/>
Matrix 2 of 5	<input checked="" type="checkbox"/>
Korean 3 of 5	<input checked="" type="checkbox"/>
GS1-128	<input checked="" type="checkbox"/>
GS1 DataBar	<input checked="" type="checkbox"/>
PDF417	<input checked="" type="checkbox"/>
Macro PDF	<input checked="" type="checkbox"/>
Data Matrix	<input checked="" type="checkbox"/>
GS1 Data Matrix	<input checked="" type="checkbox"/>
QR-CODE	<input checked="" type="checkbox"/>
Japanese Postal	<input checked="" type="checkbox"/>

※Settings in the Demo application are kept in the AsReader until the next time they are changed.

Customers can select either keeping their settings permanently or temporarily when developing their own applications.

5. AsReader Information

Tap to check the device information.



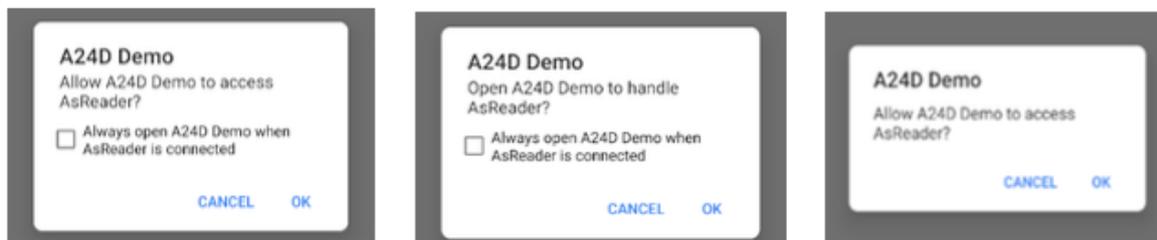
- ① Refresh
- ② SDK version
- ③ AsReader model
- ④ Hardware version
- ⑤ Firmware version

※For application version, please refer to the bottom of the reading screen.

Appendix

The content of the display when the application is set to Auto Launch mode and ASR-A24D is connected:

※The contents displayed can vary, depending on devices and device versions.



① Access permission with a checkbox

② Application launch confirmation with a checkbox

③ Access permission with no with no checkbox



④ Selection of another application that connects to the AsReader

	Applications that connect with AsReader	
Auto Launch Mode	Only the Demo application	Multiple
On	Connect with the application open: ①+② Connect with the application closed: ②	Connect with the application open: ①+④ Connect with the application closed: ④
Off	Connect with the application open: ③ Connect with the application closed: ③ No message After launching: ③	Connect with the application open: ③ Connect with the application closed: No message After launching: ③

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