AsReader®

ASR-A25S1

User's Manual

Product Type: 2D DOCK-Type barcode scanner

Compatible with Android devices

1st Edition

March 27, 2025

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About ASR-A25S1

ASR-A25S1 is a barcode scanner that can scan 1D/2D barcodes when connected to an Android device.

To use the ASR-A25S1 in CDC mode (SDK mode), please download an application that has our AsReader SLIM SDK for Android integrated into it.

For integrating the AsReader SLIM SDK, please refer to our SDK reference guide and sample code, which are available on our product website.

Also, customers can try the ASR-A25S1 in CDC mode using our demo application which can be downloaded either from our product website or the Google Play Store.

To use the ASR-A25S1 in HID mode, please scan the setting barcode on page 11 of this manual.

If you have any comments or questions about this manual, please contact us:
https://asreader.jp/contact/

★The contents of this manual are subject to change without prior notice. In addition, the images in this manual are all reference images and may be different from the actual product.
★ Warning: Please read this manual before use. Incorrect use of this device could result in property damage, serious personal injury, or even death. We will not be responsible for any loss caused by non-compliance with this manual.
★ We cannot take responsibility for any damage resulting from natural disasters like earthquakes, lightning, wind, floods, or fires beyond our control. Additionally, damages caused by third-party actions, accidents, intentional or negligent acts, misuse, or abuse are also not our responsibility.
★If damage is caused by dropping or collision, as determined by our company, and the unit is repairable then a repair fee will be charged, even within the warranty period.
★We will take appropriate measures to ensure that our products do not infringe other patents, but we are not responsible for any patent infringement caused by any of the following (1) to (4).
(1) Used in combination with components, products, equipment, data processing systems, or software outside our company.
(2) Our products are used in unexpected ways.
(3) Modification of our products by any person or company other than our company.
(4) Use outside of the country where the products are purchased.

■**Revision history**

Version	Changes	Date
1	Initial version	March 27, 2025

Note：The contents of this document are subject to change without notice.

Safety Instructions

⚠ Warning
Please do NOT disassemble, modify, or repair the ASR-A25S1 yourself.
Please stop using the ASR-A25S1 if you notice anything unusual during operation such as smoke, noise, or an abnormal odor.
Please do NOT subject the ASR-A25S1 to strong impacts by dropping or throwing it. If the body of the ASR-A25S1 is damaged, please do NOT touch the damaged part or the parts inside.
Please do NOT heat or set fire to the ASR-A25S1.

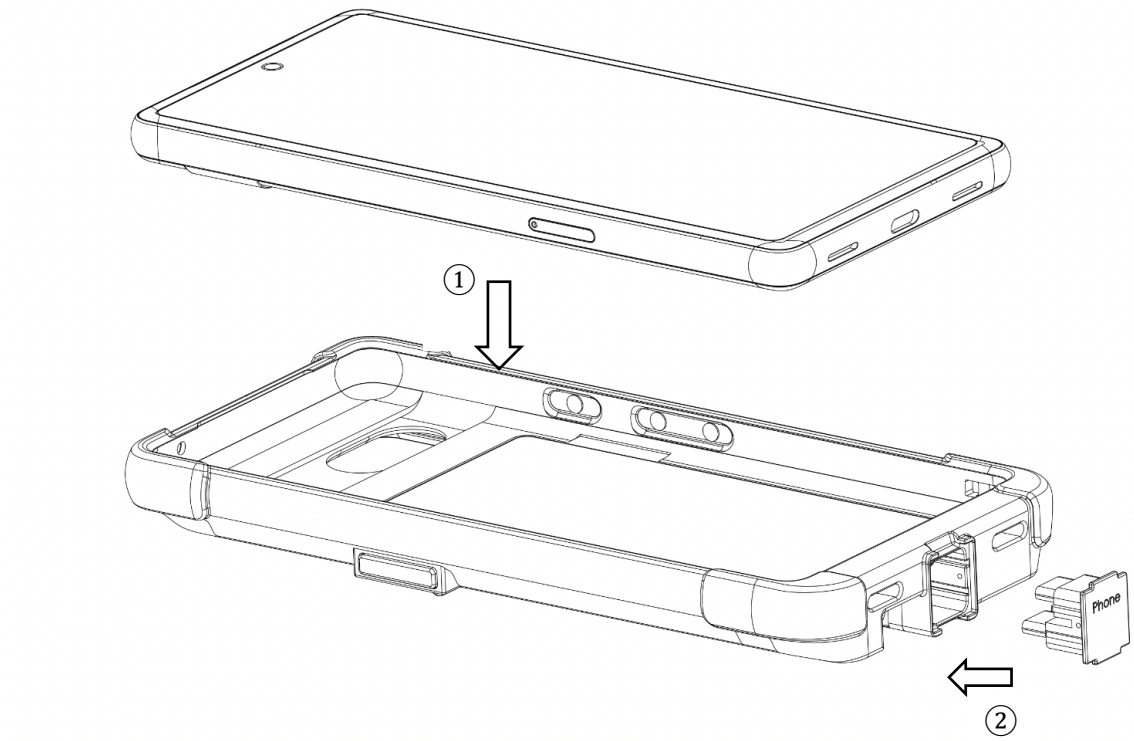
⚠ Caution
Please comply with your local regulations when you discard the ASR-A25S1.
Please stop using the ASR-A25S1 immediately and contact the distributor if you notice anything suspicious regarding it while in operation.
Continuous use of the ASR-A25S1 in rainy conditions can cause malfunctions of the ASR-A25S1 and the connected device. If the ASR-A25S1 gets wet, please wipe any water off its surface and ports immediately with a dry cloth.
ASR-A25S1 is a class 1 laser product. Please do NOT look into the laser or point it at a person.

1 Preparations Before Use

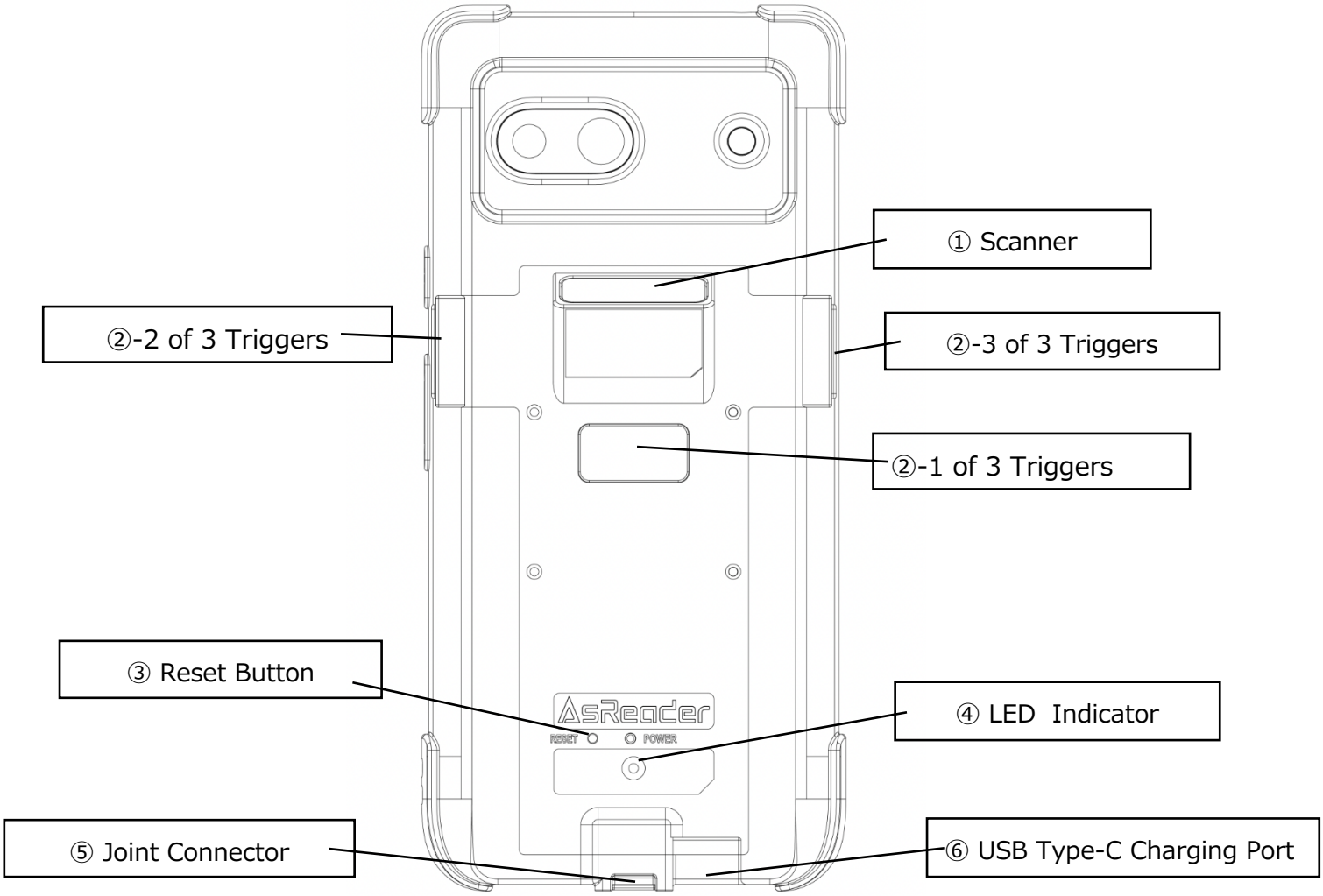
Installation

① Install an Android device by fitting it inside the ASR-A25S1 *before* inserting the joint connector.

② Connect ASR-A25S1 and the Android device with the joint connector *after* the Android is seated properly inside the ASR-A25S1. Be aware that the top of the joint connector is marked with the word “Phone” to indicate the direction it should be inserted. When inserted, it should click-in-place. If it doesn’t go in easily, check again, to be sure the Android device is properly seated. Do not force the joint connector.



2 Name of Each Part



3 Operation Guide

1 Scanner

- Please aim this part at the barcode when scanning.

2 Triggers

- Barcode Scan

The ASR-A25S1 scans a barcode when one of these triggers is pressed.

- Wake up

The ASR-A25S1 in sleep mode wakes up when one of these triggers is pressed.

3 Reset Button

- The ASR-A25S1 is forced to restart when this key is pressed.

4 LED Indicator

State of ASR-A25S1	State of LED Indicator
Connected to a charging cable	Red
Connected to an Android device	Blue
Sleep mode	Off
Scanning	Blue, blinking

5 Joint Connector

- This part connects the ASR-A25S1 and an Android device electronically.

6 USB Type-C Charging Port

- This port can be used to charge an Android device connected to the ASR-A25S1.

7 Buzzer

State of ASR-A25S1	Sound from Buzzer
Connected to an Android device	Rising pitch beep
Entering sleep mode	Long single beep
Scanning	Short single beep
Reset Button pressed (restarting)	Rising pitch beep

8 Sleep Mode

- The ASR-A25S1 automatically enters sleep mode after a set period of inactivity. It exits sleep mode and resumes normal operations when any of the triggers are pressed.

9 HID and CDC Modes

- HID Mode

When the ‘HID Mode’ QR is scanned, the ASR-A25S1 operates in HID mode.

In this mode, the ASR-A25S1 functions as a keyboard, sending scanned data as text to applications such as Notepad.

HID Mode

- CDC Mode (SDK mode)

When the ‘CDC Mode’ QR is scanned, the ASR-A25S1 operates in CDC mode, where scanned data is transferred to an application that has integrated the AsReader SLIM SDK.

CDC Mode

Appendix： Product Specifications

SKU		ASR-A25S1
Barcode	Image Sensor	640*480 CMOS
	Resolution	≥ 3mil
	Scanning Depth	EAN13: 65mm~350mm (13mils) Code39 ：50mm～125mm (5mils) QR Code ：30mm～170mm (15mils) Data Matrix：45mm～120mm (10mils) PDF 417 ：50mm～125mm (6.7mils)
	Scanning Angle	Skew ±42°， Pitch ±31.5°， Tilt 360°
	Supported Symbologies	1D: Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, ISSN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5， AIM128， Plessey, MSI-Plessey 2D: PDF417, QR Code, Micro QR, Data Matrix
	Light Source	Illumination：White LED Aimer：Red laser, 650nm
Key Inputs		Trigger, Reset Button
Communication	Interface	USB Type-C
Appearance	Materials	PC・TPU
	Color	Black
	LED Indicator	Red, Blue
Environment Resistance	Operation	-10℃~45℃，20～85 %RH
	Charging	0℃~45℃, 10～90 %RH
	Storage	-20℃~60℃, 10～95 %RH
	IP Rating	IP 54 compliant
	Drop Tested	1.5m (to 6 sides and 4 corners)
Certificates		FCC，FDA
Host Device’s Operating System		Android

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