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# **ASR-025S/ASR-A25S Series User's Manual**

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**Category**

**2D/1D Barcode**

**Compatible OS**

**iOS/Android**

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**3<sup>rd</sup> Edition**

**November 5, 2025**

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## About the ASR-025S/ASR-A25S Series

The ASR-025S/ASR-A25S Series are barcode scanners that can scan 1D and 2D barcodes when connected to an iOS/Android device.

The suffix of the model name varies based on the compatible smartphone. For example:

ASR-A25S1 is for the Google Pixel 8a (the Pixel 7a and 6a fit as well)

ASR-025S2 is for the iPhone 16e/16/15 with USB Type-C

ASR-A25S3 is for the Kyocera DIGNO SX4

ASR-A25S4 is for the Galaxy A25 5G (Japan model) (also fits the Galaxy A06 4G and A06 5G).

To use the ASR-A25S Series in CDC mode (SDK mode), please download an application that has our AsReader SLIM SDK for iOS or 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-A25S Series in CDC mode using our demo application, "AsReader SLIM Demo" which can be downloaded either from our product website, Apple App Store, or the Google Play Store.

To use the ASR-A25S Series in HID mode ("Human Interface Device mode," where the scanner acts like a keyboard emulator, providing text to any app you can type in, such as Notepad, Excel, Google Sheets, Web Apps and more), please scan the HID setting barcode on page 14 of this manual.

If you have any comments or questions about this manual, please contact us:

<https://asreader.com/contact/>



Model	Compatible smartphone	Compatible joint connector
ASR-A25S1	Google Pixel 8a/7a/6a	ASP-098
ASR-025S2	iPhone 15/16/16e	ASP-119
ASR-A25S3	KYOCERA DIGNO SX4	ASP-104
ASR-A25S4	Galaxy A25 5G(Japan model)/ A06 4G/A065G	ASP-120

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(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**

<b>Version</b>	<b>Changes</b>	<b>Date</b>
<b>1</b>	<b>Initial version</b>	<b>March 27, 2025</b>
<b>2</b>	<b>Made changes to section 1.1 and added section 1.2 to unify the user's manuals for the ASR-A25S series</b>	<b>July 15, 2025</b>
<b>3</b>	<b>Added content for ASR-025S2/ASR-A25S4</b>	<b>November 14, 2025</b>

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

## Safety Instructions

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 <b>Warning</b>
Please do NOT disassemble, modify, or repair the ASR-025S/ASR-A25S Series yourself.
Please stop using the ASR-025S/ASR-A25S Series if you notice anything unusual during operation such as smoke, noise, or an abnormal odor.
Please do NOT subject the ASR-025S/ASR-A25S Series to strong impacts by dropping or throwing it. If the body of the ASR-025S/ASR-A25S Series is damaged, please do NOT touch the damaged part or the parts inside.
Please do NOT heat or set fire to the ASR-025S/ASR-A25S Series.

**⚠ Caution**

Please comply with your local regulations when you discard the ASR-025S/ASR-A25S.

Please stop using the ASR-025S/ASR-A25S immediately and contact the distributor if you notice anything suspicious regarding it while in operation.

Continuous use of the ASR-025S/ASR-A25S in rainy conditions can cause malfunctions of the ASR-025S/ASR-A25S and the connected device.

If the ASR-025S/ASR-A25S gets wet, please wipe any water off its surface and ports immediately with a dry cloth.

ASR-025S/ASR-A25S is a class 1 laser product.

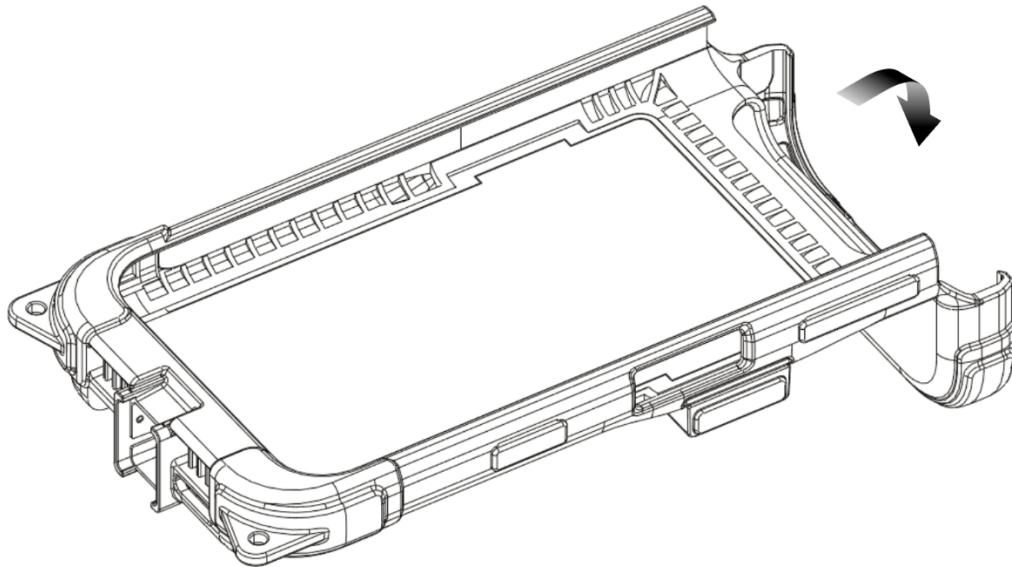
Please do NOT look into the laser or point it at a person.

## 1 Installation and Removal

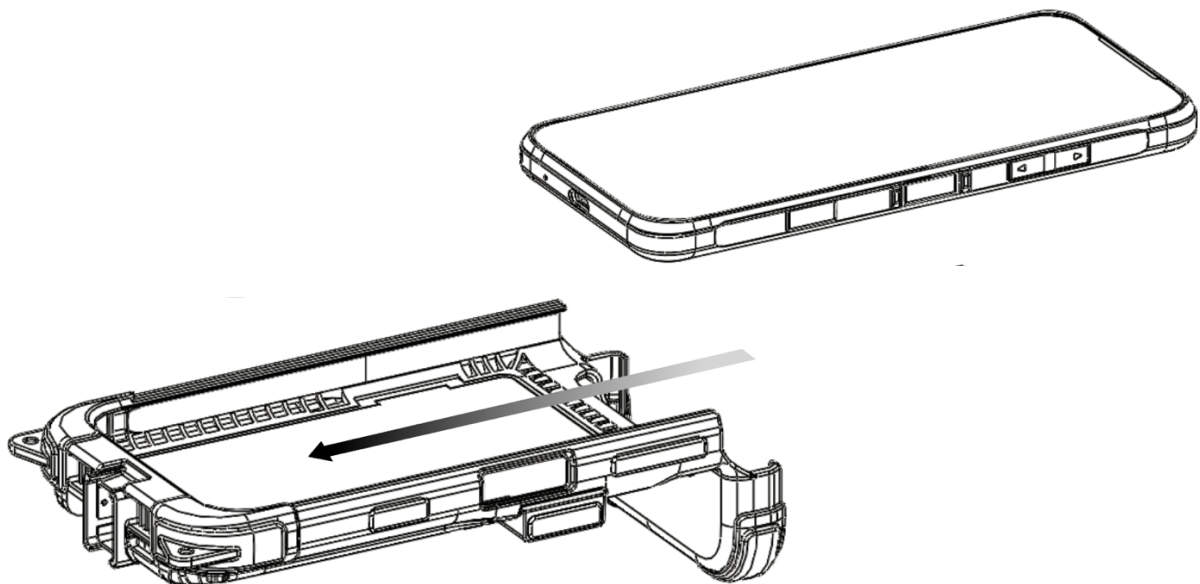
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### Installation

- ① Bend-back the top of the ASR-025S/ASR-A25S Series case near the camera opening.

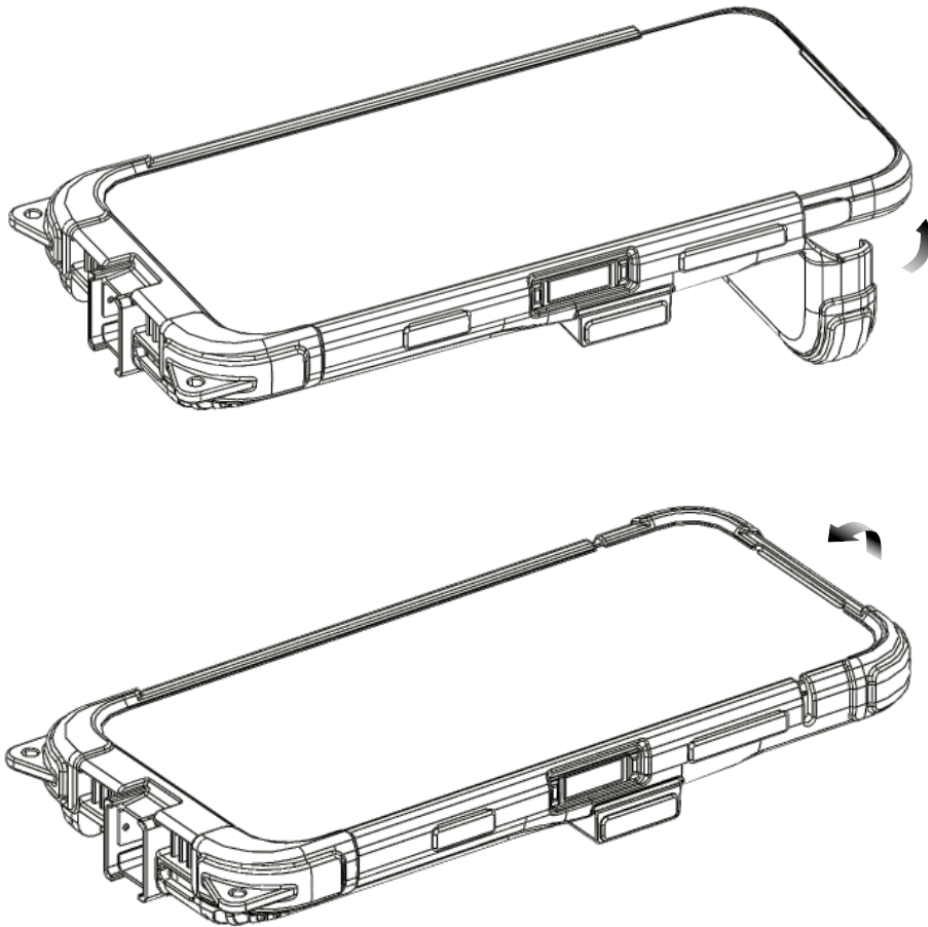


- ② Insert your smartphone in a parallel fashion from the top of the ASR-025S/ASR-A25S Series.

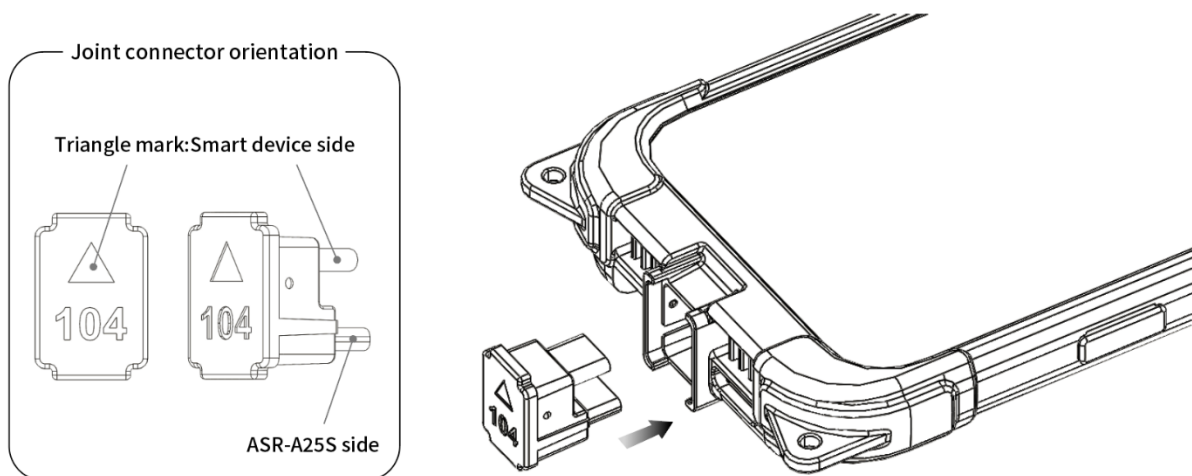




- ③ Pull the top of the case of this product over the camera of your smart device.



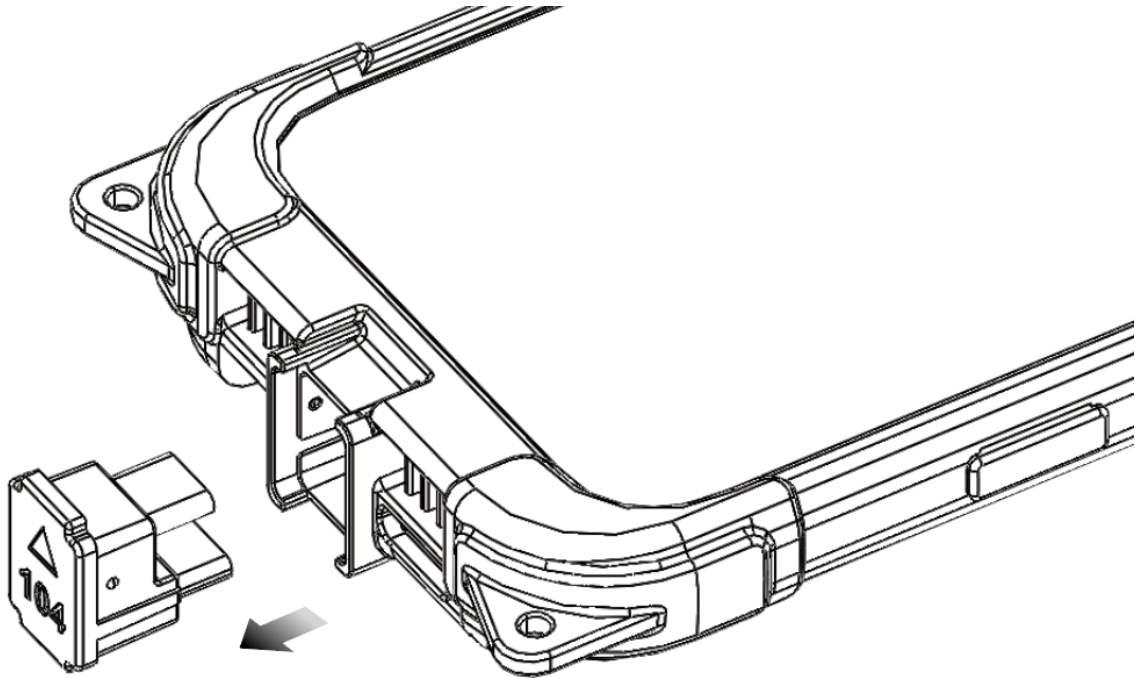
- ④ Connect the ASR-025S/ASR-A25S Series and your smartphone by plugging the joint connector into their USB Type-C ports.



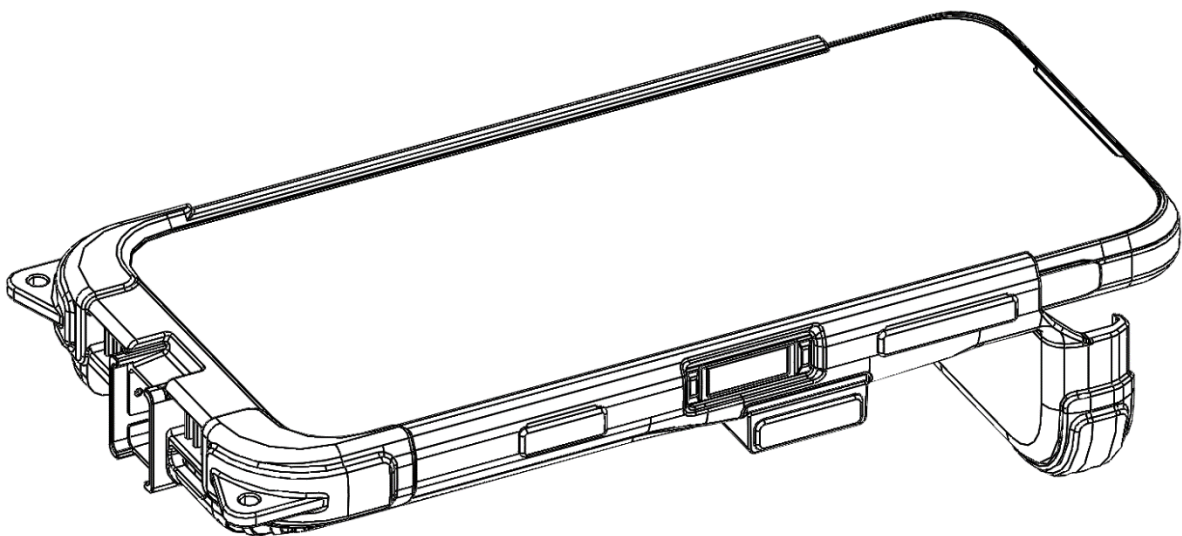
## Removal

- ① Pull the joint connector straight out.

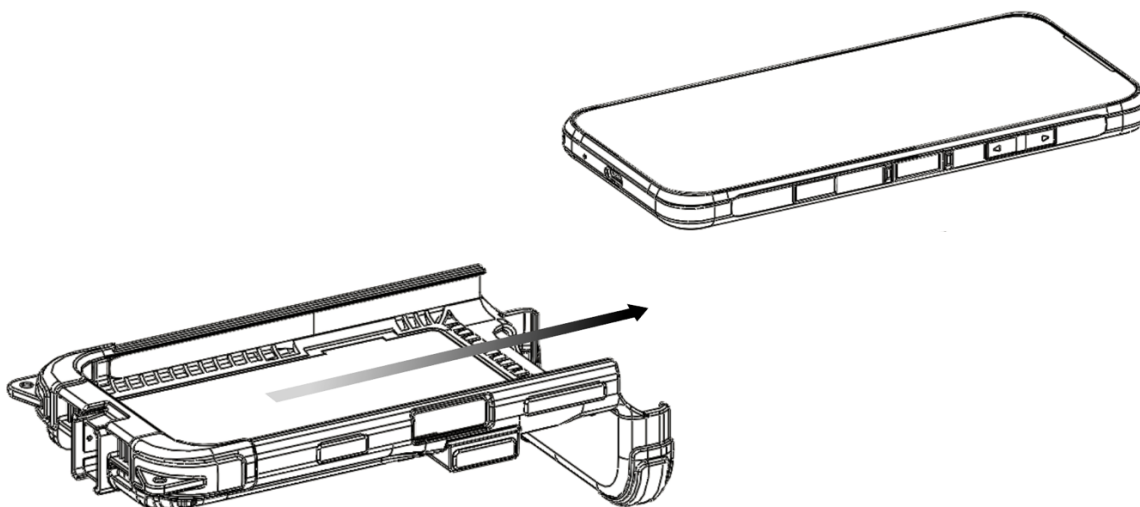
**IMPORTANT:** Make sure to pull out the joint connector before removing your smart device from the ASR-025S/ASR-A25S Series.



- ② Bend-back the top of the ASR-025S/ASR-A25S Series case near the camera opening.

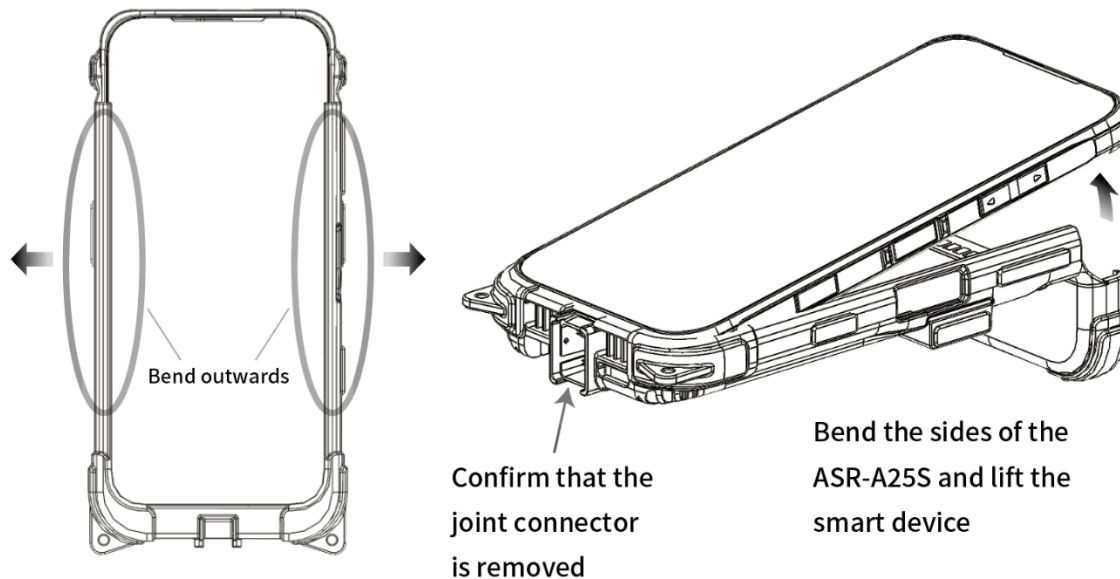


- ③ Remove your smartphone from the ASR-025S/ASR-A25S Series in a parallel fashion by pulling it up.

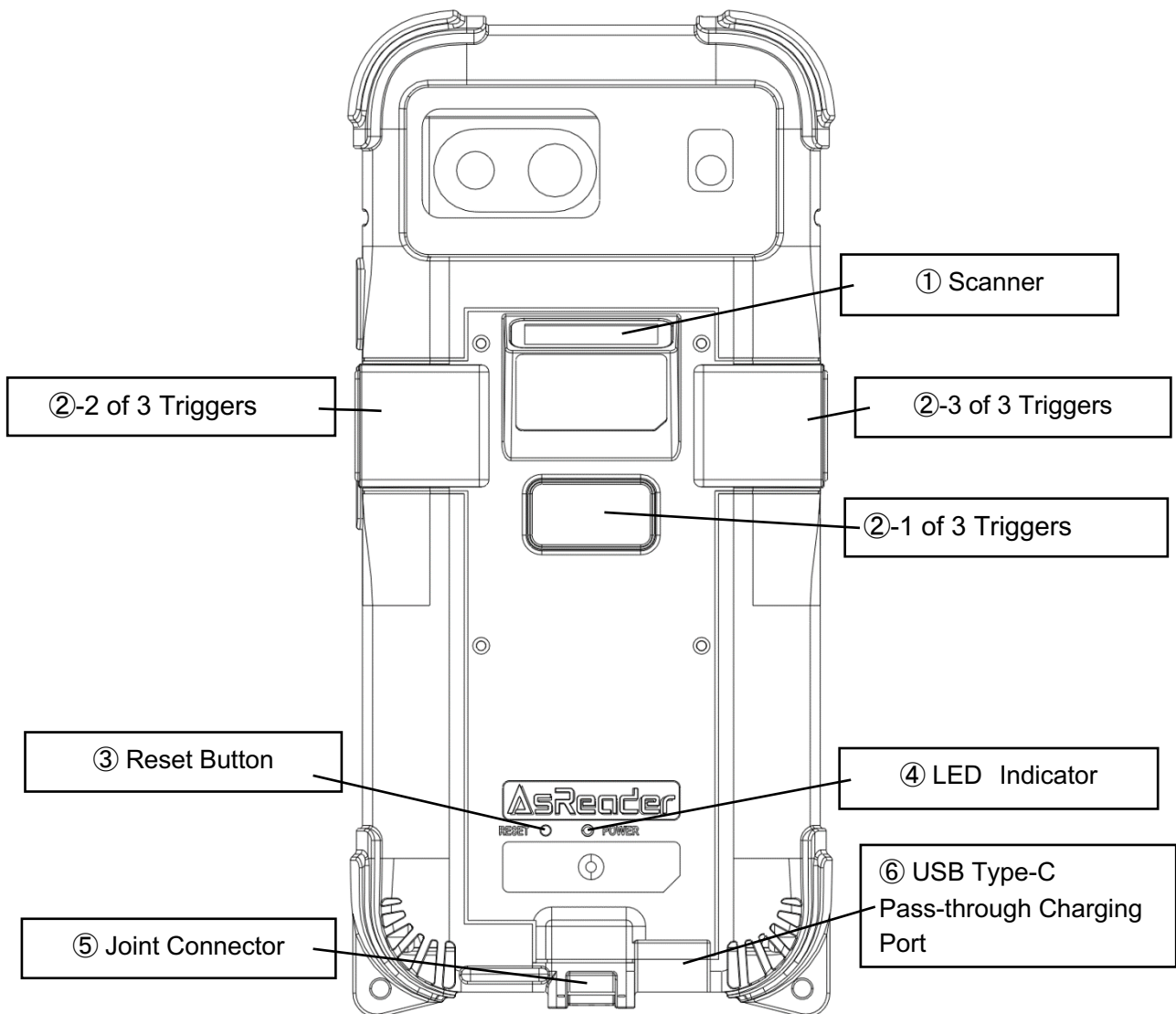


Removing your smart device may be difficult depending on its shape.

In such cases, bend the left and right sides of the ASR-025S/ASR-A25S Series outwards and lift the smart device to remove it, but **please confirm that the Joint Connector has been removed first.**



## 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-025S/ASR-A25S Series scans a barcode when one of these three triggers is pressed.

- Wake up

The ASR-025S/ASR-A25S Series in sleep mode wakes up when one of these triggers is pressed.

### 3 Reset Button

- The ASR-025S/ASR-A25S Series is forced to restart when this key is pressed.

### 4 LED Indicator

State of ASR-025S/ASR-A25S Series	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-025S/ASR-A25S Series and an iOS/Android device electronically.

### 6 USB Type-C Pass-through Charging Port

- This port can be used to pass-through a charge to an Android device connected to the ASR-025S/ASR-A25S Series. Please note: the ASR-025S/ASR-A25S Series does not have a battery, so this port is only for passing a charge through to the smartphone.

## 7 Buzzer

State of ASR-025S/ASR-A25S Series	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-025S/ASR-A25S Series 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-025S/ASR-A25S Series operates in HID mode.

In this mode, the ASR-025S/ASR-A25S Series functions as a keyboard emulator, sending scanned data as text to applications such as Notepad, Excel, Google Sheets, Web Apps and more.



HID Mode

- CDC Mode (SDK mode)

When the 'CDC Mode' QR is scanned, the ASR-025S/ASR-A25S Series operates in CDC mode, where scanned data is transferred to an application that has integrated the AsReader SLIM SDK.



CDC Mode

## Appendix: Product Specifications

Model Number and Product Description		ASR-A25S1 / ASR-025S2 / ASR-A25S3 / ASR-A25S4 AsReader SLED/DOCK-Type 2D and 1D Barcode Scanner
Barcode	Image Sensor	High Resolution 2D CMOS sensor
	Scanning Depth *Reading distance varies depending on barcode type and size.	1D: $\geq 3$ mil    2D: $\geq 6.67$ mil EAN 13 (13mil): 4.1~26.8 inches (105~680mm) Code 39 (5mil): 4.7~10.2 inches (120~260mm) Code 39 (20mil): 2.6~31.5 inches (65~800mm) Code 128 (40mil): 4.5~55.1 inches (115~1400mm) QR Code (15mil): 3.1~9.8 inches (80~250mm)
	Scanning Angle	Pitch: $\pm 60^\circ$ , Roll: $360^\circ$ , Skew: $\pm 60^\circ$
	Supported Symbologies	<b>1D:</b> 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 <b>2D:</b> PDF417, QR Code, Micro QR, Data Matrix
	Light Source	Illumination: White LED Aimer: Red Laser (650 nm)
Power Supply	Battery	This product is powered directly by the smart device.
	Charging Method	USB Type-C * Please use a USB PD-compatible charging adapter or a charging adapter with an output voltage of 5V.
Key Inputs		Trigger, Reset Button
Communication	Interface	USB Type-C * Please use a USB PD-compatible charging adapter or a charging adapter with an output voltage of 5V.
Exterior Specifications	Dimensions (W × D × H)	ASR-A25S1: 6.61 x 3.15 x 0.59 inches (167.9 x 80.0 x 15.0mm) ASR-A25S2: 6.89 x 3.11 x 0.63 inches (175.0 x 79.0 x 16.0mm) ASR-A25S3: 6.77 x 3.15 x 0.75 inches (172.0 x 80.0 x 19.1mm) ASR-A25S4: 7.44 x 3.35 x 0.75 inches (189.0 x 85.1 x 19.1mm) * Excluding protrusions.
	Weight	ASR-A25S1: 2.65 oz (75 g) ASR-025S2: 2.65 oz (75 g) ASR-A25S3: 2.82 oz (80 g) ASR-A25S4: 2.96 oz (84 g)
	Exterior Material	PC+ABS, TPU
	Product Color	Black
	LED Indications	Red: When connected to USB charging cable Blue: When connected to a smart device



Environmental Performance	Operation Environment	14°~113°F (-10°C~45°C) at 20~85 %RH
	Charging Environment	32°~95°F ( 0°C~35°C) at 10~90 %RH
	Storage Environment	-4°~140°F (-20°C~60°C) at 10~95 %RH
	IP Rating	IP54 Compliant for Dust and Moisture Resistance
	Drop Test	AsReader unit dropped from 5 feet (1.5m) to all six-sides and all four-corners, once each
Certifications / Standards		FCC, FDA
Supported OS		iOS and Android
Supported Devices		ASR-A25S1: Google Pixel 8a/7a/6a ASR-025S2: iPhone 15/16/16e ASR-A25S3: KYOCERA DIGNO SX4 ASR-A25S4: Galaxy A25 5G(Japan Model) /A06 4G/A06 5G

## **ASR-A25S Series User's Manual**

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