What's in the Box?

- KDC1100 Series SmartSled
- USB Type-C Cable
- Mini Guide
- KOAMTACON Guide

Mini Guide

KOAMTACON
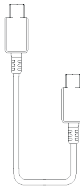
Powering the KDC1100 On/Off

Press both left and right SCAN buttons for 3 seconds. The KDC1100 will beep when turned ON or OFF. The KDC1100 will sound a long beep when it is ready to use.
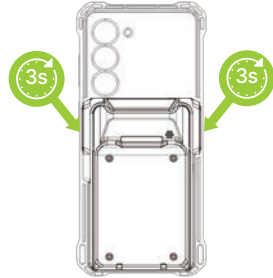
Additional Accessories

- SmartSled Custom Cases
- HF RFID Companion
- 0.5W/1.0W UHF Companion
- mPOS & MSRIC Companion
- 1/2-Slot and 10-Slot Charging Cradles
- Pistol Grip Companion
- Extended Battery

Available for selected iOS and Android smartphones

- KDC1100 ST 2D Imager SmartSled Scanner
- KDC1100 PRO 2D Imager SmartSled Scanner
- KDC1100 MR 2D Imager SmartSled Scanner
- KDC1100 ER 2D Imager SmartSled Scanner

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KDC1100
Mini Guide

Basic Operation

1. Aim the KDC1100 toward the barcode and press either of the SCAN buttons located on each side of the device. You can scan the barcode from any direction.

OR

2. A successful scan will sound 1 beep. An unsuccessful scan will sound 5 beeps.

USB Interfaces

The KDC1100 features two USB Type-C connectors.

The first connector is located on the inside of the KDC1100 and provides a USB connection to the phone.

The second connector is located on the outside of the KDC1100 and is used to charge phone and KDC1100 via charging adaptor. It is also used to access the KDC1100. Use this port if you want to connect the KDC1100 to a PC by scanning the special barcode below:

PC to KDC1100

If you disconnect the cable, the KDC1100 will reconnect to the smartphone.

USB Connectivity Options

The default communication method for the KDC1100 is HID. If you prefer to use the KDC1100 in serial mode, please refer to the barcodes in the next panel.

HID — Allows one-way USB communication. The KDC1100 only transmits data to the host device.

Serial — Allows two-way USB communication. The KDC1100 transmits data to the phone application, and the phone application can transmit data/control back to the KDC1100.

HID inputs data directly into an application, while serial requires KTSync or custom application developed using the KOAMTAC SDK to input data into an application.

Using USB HID or USB Serial Mode

The HID mode allows you to use your KDC1100 as a keyboard. This option is only available when KDC1100 is set to HID Mode. To put the KDC1100 into HID mode, please scan the barcode below:

USB HID

To change the KDC1100 to serial mode for use with KTSync, your application, or for KDC1100 firmware upgrades, please scan one of the barcodes below:

USB CDC

USB MFi

Using Keyboard Wedge

Keyboard wedge allows you to use your KDC1100 as a keyboard. The HID profile works as keyboard wedge by default. When using serial mode, KTSync provides a keyboard wedge function when KTSync keyboard is enabled. Please refer to the KDC Reference Manual for detailed instructions to enable KTSync keyboard.

1. Ensure that the KDC1100 is connected to the host device using the HID profile or the KDC1100 is connected via KTSync keyboard using serial mode.
2. Open any application on the host device that contains a text field you want to populate.
3. Tap the text field in the application.
4. Scan any barcode with the KDC1100.
5. The barcode data will then populate in the text field.

Bluetooth Profiles

Bluetooth is also available on the KDC1100, but not the default communication method.

HID — Allows one-way Bluetooth communication with an Android or iOS host device. The KDC1100 only transmits data to the host device.

SPP — Allows two-way Bluetooth communication. The KDC1100 transmits data to the host device and the host device can transmit data back to the KDC1100.

HID Windows — Allows one-way Bluetooth communication with a Windows PC. The KDC1100 only transmits data to the Windows PC

HID inputs data directly into an application. SPP requires the KOAMTAC KTSync® app or integration of the KOAMTAC SDK to input data into an application.

KTSync & SDK

KTSync® is a program which communicates with the KDC1100 via USB, Serial or Bluetooth. It enables users to read and store data. KTSync is compatible with iOS, Android, Windows, and Mac. It also supports wedging and downloading data from the KDC1100.
For more information about KTSync, please visit:
www.koamtac.com/support/downloads/applications

The Software Development Kit (SDK) is the perfect solution for creating a custom application to collect data utilizing your KDC1100. The KOAMTAC SDK covers all major development platforms: Android, iOS, Windows, Xamarin, Cordova, React Native and Flutter. Developers may take advantage of the complimentary SDK and enjoy the full benefits of the KOAMTAC Developer Program. For more information regarding the KOAMTAC Developer Program or to request the latest SDKs, visit:
www.koamtac.com/support/downloads/sdk
or e-mail sdk@koamtac.com.

Pairing & Connecting

1. Navigate to the Bluetooth setting on the host PC, Mac, Smartphone, or Tablet.
2. Ensure that Bluetooth is enabled on the host device and searching for devices.
3. Using the KDC1100, scan the pairing barcode that corresponds to your desired Bluetooth profile. If you are unsure which Bluetooth profile is right for you, please refer to the previous panel.
3a. If KDC1100 does not have a barcode scanner, hold any SCAN button on the KDC1100 for 3 seconds until you hear a beep to begin pairing (Select Bluetooth Profiles from KTSync Windows using USB cable).
4. Check the list of available Bluetooth devices on your host device.
5. From the list, select KDC1100 listed by serial number in brackets that matches the serial number found on the back side of the KDC.
6. In HID mode, the KDC1100 is now ready to use.
7. To complete connection in SPP mode, launch KTSync or your application and select the KDC1100.
* The KDC1100 will beep when successfully connected.

KOAMTACON

The first application suite of its kind, KOAMTACON is a data collection cloud suite designed specifically to be used with KDC barcode scanners, RFID readers, and magnetic stripe readers (MSR) to collect data in any situation.

With apps ranging from ticketing to warehouse management, KOAMTAC has you covered. It's never been so easy to collect data via barcodes, RFID, or magnetic stripe.

KOAMTACON is:
• Simple to maintain
• Easy to use
• Cloud-based
• Compatible with any device

For more information please visit:
www.koamtac.com
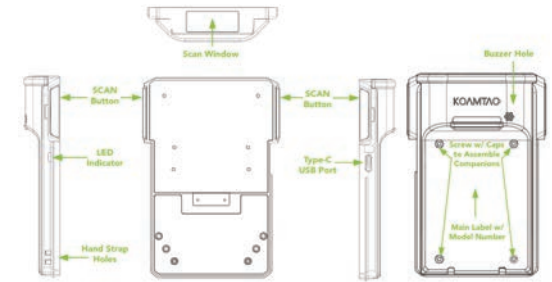
Pairing Barcodes (for Bluetooth)

BLE HID

BLE HID Windows

BLE SPP

KDC1100 Diagram

KDC1100 models are identical except for their angled scan engines.

KDC1100 Companions

1.0W UHF Reader

HF and 0.5W UHF Readers

2000mAh Extended Battery

Pistol Grip

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