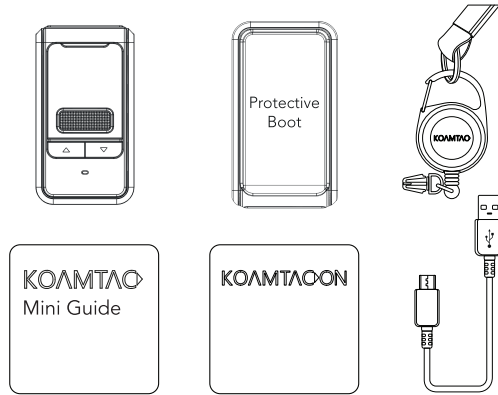


## What's in the Box?

- › KDC80
- › KDC® Lanyard
- › Mini Guide
- › Type-C USB cable
- › Protective Rubber Boot
- › KOAMTACON Guide



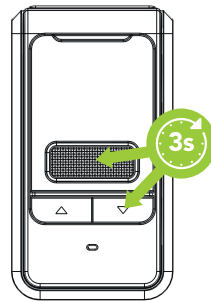
## Powering On/Off

### Power On

Press and hold the SCAN and DOWN buttons for 3 seconds.

### Power Off

Press and hold the SCAN and DOWN buttons for 3 seconds again.

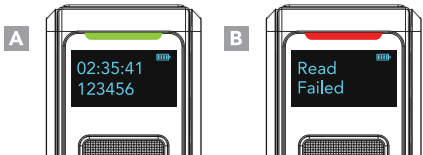


## Basic Operation

1. Press the SCAN button on the KDC80 and aim directly at the barcode using the red line as a guide.



2. A successful scan (A) will sound 1 beep, show green LED, and display the scanned info on the screen. An unsuccessful scan (B) will sound 5 beeps, show red LED, and display "Read Failed" on the screen.



## Bluetooth Profiles Explained

### HID

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

### SPP

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

### HID Windows

Allows one-way Bluetooth communication with a Windows PC. The KDC 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.



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## 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 KDC, 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 previous panel.
4. Check the list of available Bluetooth devices on your host device. In iOS, the application will need to search devices.
5. From the list, select the KDC80 listed by serial number in brackets that matches the serial number found on the back of the KDC80.
6. In HID Mode, KDC80 is ready to use.
7. To complete connection in SPP Mode, launch KTSync or your application and select KDC80 to connect.



## KDC80 Mini Guide



## Pairing Barcodes



HID



HID Windows



SPP

## Pairing via NFC (Android Only)

This feature applies only to Android host devices and is available for HID or SPP pairing profiles only.

1. The default connection mode is SPP. To pair in SPP mode, approach the NFC antenna area on the back of the host device with the KDC to complete pairing.
2. If HID mode is preferred, scan the HID Mode barcode first, then approach the NFC antenna area on the back of the host device with the KDC to complete pairing.

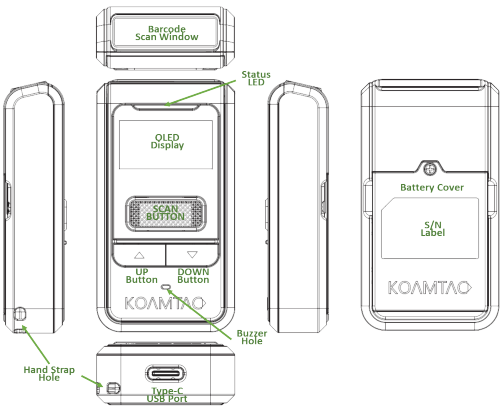


NFC HID



NFC SPP

## KDC80 Diagram



## Using Keyboard Wedge

Keyboard wedge allows you to use your KDC as a keyboard. The HID profile works as keyboard wedge by default. When using SPP, 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 KDC is connected to the host using the HID profile or the KDC is connected via KTSync keyboard using SPP.
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 KDC.
5. The barcode data will then populate in the text field.

## KDC80 Protective Boot



## KTSync & SDK

KTSync® is a program which communicates with the KDC via Bluetooth or USB. It enables users to read and store data. KTSync is compatible with iOS, Android, Windows, and Mac. It also supports wedging and uploading data from the KDC.

For more information about KTSync, please visit:  
[www.koamtac.com/support/downloads/applications](http://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 KDC. The KOAMTAC SDK covers all major development platforms: Android, iOS, Mac OS X, Windows, Xamarin, and Cordova. 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 SDK, visit:  
[www.koamtac.com/support/downloads/sdk](http://www.koamtac.com/support/downloads/sdk)  
or e-mail [sdk@koamtac.com](mailto:sdk@koamtac.com).

## Specs

### Physical Characteristics

Size: 1.3" x 2.4" x 0.6" (34 mm x 62 mm x 16 mm)  
Weight: KDC80L: 1.2 oz (35 g); KDC80D: 1.0 oz (30 g)

### Scan Range (20mil Code39)

1.97" to 17.72" (50 mm to 450 mm)

### Electrical Characteristics

Battery: 200mAh Lithium-polymer  
Charging: Type-C USB connector

### Interfaces

Bluetooth® Low Energy V5.0, HID/SPP  
Type-C USB: USB Flash Memory (Windows), USB HID,  
USB Serial (Android with OTG cable / Windows)

### Functionality

Memory Flash: Program 1MB / User Data 5MB  
Memory RAM: 256KB  
Can store more than 250,000 barcodes (EAN-13)

## KOAMTACON

The first application suite of its kind, KOAMTACON is a data collection cloud suite designed specifically to be used with KDC/SKX devices.

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

KOAMTACON is:

- Simple to maintain
- Easy to use
- Cloud-based
- Compatible with any device

For more information please visit:  
[www.koamtac.com](http://www.koamtac.com)



## Specs

### Wedging & Synchronization

Store to a file or transfer to an application  
Keyboard wedge function  
Add-on prefixes and suffixes  
Barcode option selection

### User Environment

IP Rating: IP42  
Drop Spec: 5 ft (1.5 m) with protective boot  
Operating Temperature: 14°F to 122°F (-10°C to 50°C)  
Storage Temperature: -4°F to 140°F (-20°C to 60°C)  
Humidity: 5% to 95% (non-condensing)

### OS Support

Android, iOS, Mac OS X, Windows

### Regulatory Conformance

CE, FCC, KC, J-MIC, VCCI, SRRC, RoHS Compliant  
Laser Safety: IEC60825-1 (Class I) (KDC80 Laser Model)  
LED Safety: IEC62471:2006 (KDC80 CCD Model)