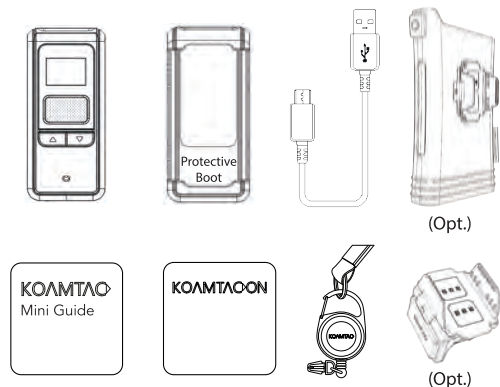


## What's in the Box?

- ▶ KDC185
- ▶ KDC® Lanyard
- ▶ Mini Guide
- ▶ KOAMTACON Guide
- ▶ Type-C USB cable
- ▶ Protective Rubber Boot
- ▶ Ring Trigger or Safety Glove (Optional)

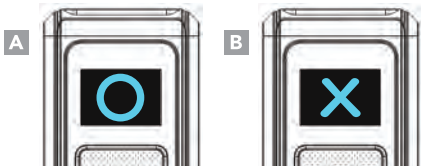


## Basic Operation

1. Press the SCAN button on the KDC185, Ring Trigger, or Safety Glove and aim directly at the barcode using the aimer as a guide.



2. A successful scan (A) will sound 1 beep, show green LEDs, and display a circle (O) on the screen. An unsuccessful scan (B) will sound 5 beeps, show red LEDs, and display an X on the screen.



## 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.



\*The SCAN buttons on the KDC185 or Ring Trigger may be used for powering on/off.

## 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.

## Additional Accessories

- ▶ 2-Slot KDC185 Charging Cradle
- ▶ 10-Slot KDC185 Charging Cradle
- ▶ KDC185 Ring Trigger
- ▶ KDC185 Safety Glove
- ▶ Protective Rubber Boot



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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 KDC185 listed by serial number in brackets that matches the serial number found on the side of the KDC185.
6. In HID Mode, KDC185 is ready to use.
7. To complete connection in SPP Mode, launch KTSync or your application and select KDC185 to connect.



## KDC185 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.

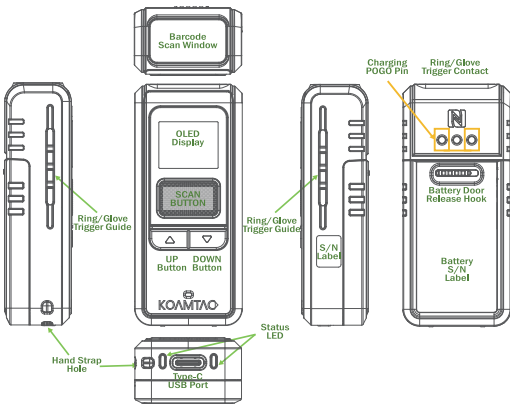


NFC HID



NFC SPP

## KDC185 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.

## Specs

### Physical Characteristics

Size: 1.2" x 2.6" x 0.7" (29 mm x 65 mm x 18 mm)  
Weight: 1.2 oz (35 g)

### Scan Engine Specs (20mil Code39)

Scan Range: 2.79" to 29.41" (71 mm to 747 mm)

### Electrical Characteristics

Battery: 500mAh Lithium-polymer (removable)  
Charging: Type-C USB connector, Charging Cradle

### Interfaces

Bluetooth® Low Energy 5.0: HID (Android/iOS/Windows), SPP (Optional Secure Mode)  
Type-C USB: Flash Memory (Windows), USB HID, USB Serial (Android with OTG cable / Windows)

### Functionality

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

## 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

### 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: IP65  
Drop Spec: 4 ft (1.2 m), 6 ft (1.8 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  
LED Safety: IEC62471:2006

## 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)



## KDC185 Accessories

### Ring Trigger for KDC185



The KDC185 Ring Trigger fits comfortably on the index finger while the scan button is easily operated with your thumb.

### Safety Glove for KDC185



Wear the KDC185 on a comfortable and form-fitting glove. The scanner can be operated with your thumb.

### KDC185 2-Slot Charging Cradle



Charge up to two KDC185 scanners and two spare KDC185 batteries.

### KDC185 10-Slot Charging Cradle



Charge up to ten KDC185 scanners and ten spare KDC185 batteries.