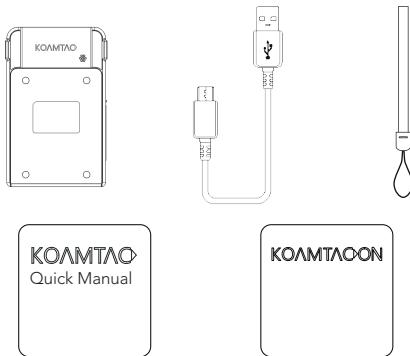


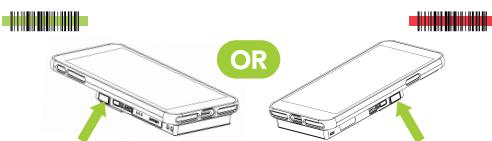
## What's in the Box?

- ▶ KDC480 or KDC485
- ▶ Hand Strap or tablet strap
- ▶ Type-C USB Cable
- ▶ Quick Manual
- ▶ KOAMTACON Guide



## Basic Operation

1. Aim the KDC directly at the barcode and press either of the SCAN buttons located on each side of the device ensuring the beam covers the barcode horizontally.

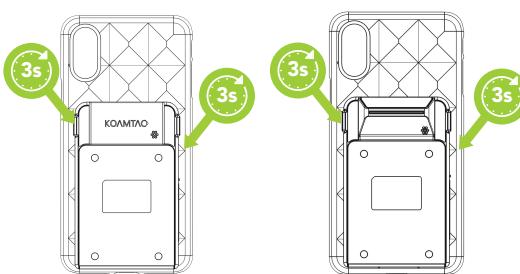


2. A successful scan will sound 1 beep and show a green LED. An unsuccessful scan will sound 2 beeps and show a red LED.

## Powering On/Off

Press both SCAN and DOWN buttons for 3 seconds. The KDC will beep when turned ON or OFF. The KDC will sound a long beep when it is ready to use.

KDC480 Models



\* SmartSled case sold separately.

KDC485 Models

## Additional Accessories

- ▶ SmartSled Cases for Apple and Android
- ▶ HF RFID Companion
- ▶ SmartSled Custom Cases
- ▶ OTG General Universal & uniVERSE Case Adaptors
- ▶ 1-Slot and 4-Slot Charging Cradles
- ▶ 1100mAh Hardpack Battery
- ▶ 0.5W UHF Companion
- ▶ 1.0W UHF Companion
- ▶ mPOS & MSRIC Companion
- ▶ Pistol Grip Companion
- ▶ 2000mAh Extended Battery

## Caution

- ▶ Risk of fire or explosion if the battery is replaced by an incorrect type



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## 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.

## 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 the previous panel.
  - 3a. If KDC does not have a barcode scanner, hold any SCAN button on the KDC for 5 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 KDC listed by serial number in brackets that matches the serial number found on the back side of the KDC.
  6. In HID mode, the KDC is now ready to use.
  7. To complete connection in SPP mode, launch KTSync or your application and select the KDC.
- \* The KDC will beep when successfully connected.



## KDC480 Series Mini Guide



\* For all KDC480 and KDC485 models.

## Pairing Barcodes



HID



HID Windows



SPP

## 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 profile.
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

### Functionality

Memory Flash ROM: 256KB Program, 8MB User Data  
Memory RAM: 64KB  
Can store more than 400,000 Barcodes (EAN-13)

### Wedging & Synchronization

Keyboard wedge function  
Add-on prefixes and suffixes  
Barcode option selection

### Scan Range (20mil Code39)

C - Imager: 2.36" to 18.35" (60 mm to 466 mm)

### Supporting OS

Android / iOS / Mac OS X / Windows

### Physical Characteristic

Size: 2.6" X 4.1" X 0.6"  
65mm X 105mm X16mm  
Weight: 3.1oz, 88g

## KTSync & SDK

KTSync® is a program which communicates with the KDC via 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 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, 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 SDKs, 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

### Interfaces

Bluetooth® Low Energy 5.0: HID (Android/iOS/Windows), SPP (Optional Secure Mode)  
USB Type-C: USB HID, USB Serial (Android with an integrated case)  
Lightning: Serial (iOS with an integrated case)

### Electrical Characteristics

Battery: Lithium-ion (3.7V DC, 1100 mAh)  
Charging: via USB Type-C connector, Charging Cradle

### User Environment

Ingress Protection Rating: IP65  
Drop Spec: 5' (1.5 m)  
Operating: -4°F to 122°F (-20°C to 50°C)  
Storage: -4°F to 140°F (-20°C to 60°C)  
Humidity: 5% to 95% (non-condensing)

## KOAMTACON

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

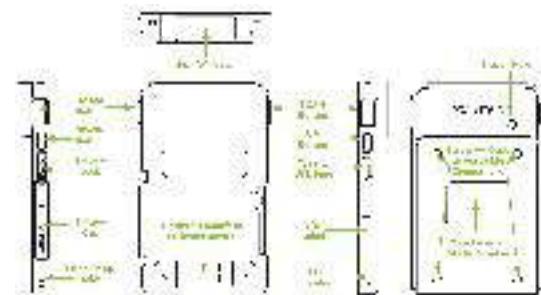
KOAMTACON is:

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

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



## KDC480 Diagram



KDC485 models are identical except for their angled scan engines.

## Helpful Barcodes

Enable Beep Sound



Disable Beep Sound



1.0W  
UHF Reader



HF and 0.5W  
UHF Readers



mPOS



2000mAh  
Extended Battery



Pistol Grip



MSR/IC  
Reader

## **Federal Communication Commission Interference Statement**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.