

What's in the Box?

- ▶ KDC20
- ▶ KDC® Lanyard
- ▶ Quick Manual
- ▶ 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.



Additional Accessories

- ▶ Protective Rubber Boot
- ▶ 7-Port Charging Cradle
- ▶ 200mAh Battery
- ▶ KBD401K Bluetooth Classic Dongle

KDC20 Models

- ▶ KDC20i 1D Laser Bluetooth Barcode Scanner
- ▶ KDC20Li-D 1D CCD Bluetooth Barcode Scanner

Visit our website for more information.

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KOAMTAC

KDC20 Mini Guide

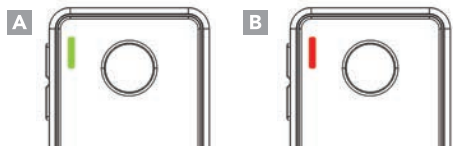


Basic Operation

1. Aim the KDC directly at the barcode and press the SCAN button, ensuring the beam covers the barcode horizontally.



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



Bluetooth Profiles Explained

HID Normal

Allows one-way Bluetooth communication with an Android, Mac, and Windows host device. The KDC only transmits data to the host device.

SPP

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

HID iOS

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

MFi

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

HID inputs data directly into an application. Both SPP and MFi require 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.
 4. Check the list of available Bluetooth devices on your host device.
 5. From the list, select KDC20 listed by serial number in brackets that matches the serial number found on the back side of the KDC20.
 6. In HID mode, KDC20 is now ready to use.
 7. To complete connection in SPP/MFi mode, launch KTSync or your application and select KDC20.
- * The KDC20 will beep when successfully connected.

Pairing Barcodes



Android, Mac, Windows: HID Normal



iOS: HID iOS



SPP & MFi

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 or MFi, 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/MFi profiles.
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
Memory RAM: 64KB
Can store more than 8,000 Barcodes (EAN-13)

Wedging & Synchronization

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

Scan Range (10mil Code39)

Laser: 1.97" to 7.48" (50 mm to 190 mm)
CCD: 2.17" to 11.81" (55 mm to 300 mm)

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

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, Tizen, 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
or e-mail sdk@koamtac.com.

Specs

Interfaces

Bluetooth V2.1+EDR, Class 2, HID/SPP/MFi
USB to Serial (Swing-out USB Type A connector)

User Environment

Drop Spec: 4' (1.22 m)
Operating: 32°F to 113°F (0°C to 45°C)
Storage: -4°F to 113°F (-20°C to 45°C)
Humidity: 5% to 85% (non-condensing)

Supporting OS

Android / iOS / Mac OS X / Windows

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.koamtac.com



Helpful Barcodes

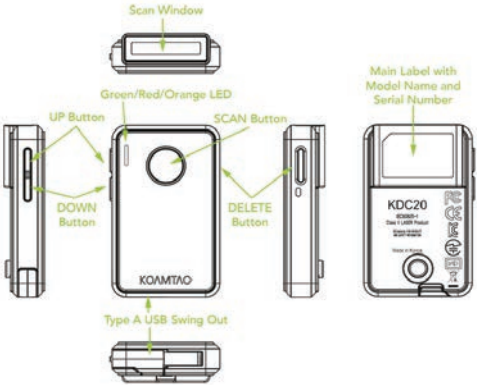
Enable Auto Reconnect



Disable Auto Reconnect



KDC20 Diagram



Helpful Barcodes

Enable Beep Sound



Disable Beep Sound

