

## What's in the Box?

- ▶ KDC350
- ▶ Ultra-mini USB Cable
- ▶ KDC® Lanyard
- ▶ Quick Manual
- ▶ KOAMTACON Guide



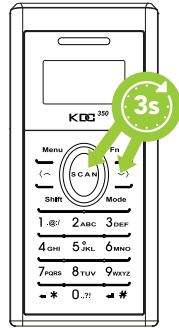
## Powering On/Off

### 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

- ▶ Waterproof Finger Trigger Glove
- ▶ Protective Rubber Boot
- ▶ 1130mAh Hardpack Battery
- ▶ 1-Slot and 4-Slot Charging Cradles
- ▶ Ultra-Mini USB Cable
- ▶ KBD401K Bluetooth Classic Dongle
- ▶ Battery Charging Adaptor
- ▶ ezCharging Adaptor

## KDC350 Models

The KDC350 is available in models supporting NFC and/or Wi-Fi. The KDC350 is also available in 3 or 19-key keypad models.

For a complete list of KDC350 models, please visit:

[www.koamtac.com/bluetooth-barcode-scanners/kdc350-r2-wireless-b-arc-scanner](http://www.koamtac.com/bluetooth-barcode-scanners/kdc350-r2-wireless-b-arc-scanner)

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# KOAMTAC

## KDC350 Mini Guide

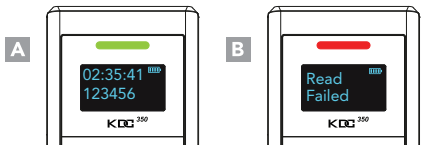


## Basic Operation

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



## 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 KDC350 listed by serial number in brackets that matches the serial number found on the back side of the KDC350.
  6. In HID mode, KDC350 is now ready to use.
  7. To complete connection in SPP/MFi mode, launch KTSync or your application and select KDC350.
- \* The KDC350 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, 8MB User Data  
Memory RAM: 64KB  
Can store more than 400,000 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 (20mil Code39): 1.40" to 52.0" (36 mm to 1321 mm)  
CCD: 2.17" to 11.81" (55 mm to 300 mm)  
Imager: 1.1" to 13.3" (28 mm to 338 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](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, 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](http://www.koamtac.com/support/downloads/sdk) or e-mail [sdk@koamtac.com](mailto:sdk@koamtac.com).

## Specs

### Interfaces

Bluetooth V2.1+EDR, Class 2, HID/SPP/MFi  
USB to Serial (Ultra-mini USB port)  
USB HID/Flash Memory

### User Environment

Ingress Protection Rating: IP65  
Drop Spec: 5' (1.5 m)  
Operating: 14°F to 122°F (-10°C to 50°C)  
Storage: -4°F to 140°F (-20°C to 60°C)  
Humidity: 5% to 95% (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, KOAMTACON has you covered. It's never been so easy to collect data via barcodes, RFID, or Magnetic Stripe.

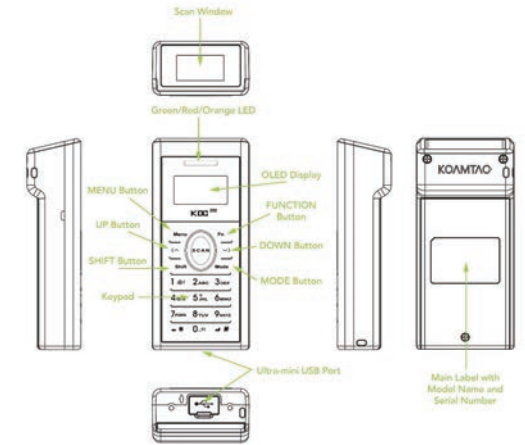
KOAMTACON is:

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

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



## KDC350 Diagram



## NFC Barcodes

Enable NFC



Disable NFC



\*NFC is only available on select KDC350 models.

## Wi-Fi Barcodes

Enable Wi-Fi



Disable Wi-Fi



\*Wi-Fi is only available on select KDC350 models. For complete instructions on how to configure Wi-Fi, please refer to the KDC Reference Guide: [www.koamtac.com/support/downloads/manuals-guides/](http://www.koamtac.com/support/downloads/manuals-guides/)