What's in the Box?

- KDC380
- Type-C USB Cable
- KDC® Lanyard
- Mini Guide
- KOAMTACON Guide

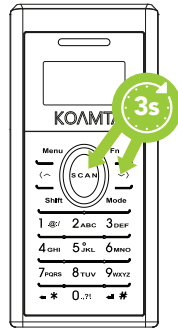**KOAMTAC** Mini Guide

KOAMTACON
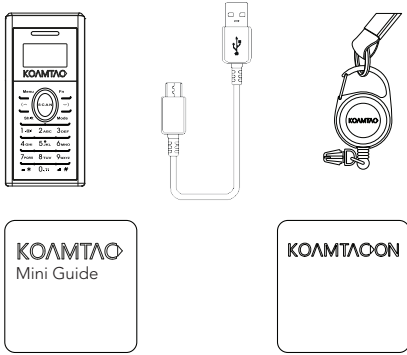
Powering On/Off

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
- 1100mAh Hardpack Battery
- 1-Slot and 4-Slot Charging Cradles
- Type-C USB Cable
- KBLED50 BLE Dongle

The KDC380 is available in models supporting NFC and/or Wi-Fi.
KDC380L 1D Laser Bluetooth Barcode Scanner & Data Collector
KDC380LN 1D Laser Bluetooth Barcode NFC Scanner & Data Collector
KDC380LF 1D Laser WIFI Barcode Scanner & Data Collector
KDC380LNF 1D Laser WIFI Barcode NFC Scanner & Data Collector
KDC380D 1D CCD Bluetooth Barcode Scanner & Data Collector
KDC380DN 1D CCD Bluetooth Barcode NFC Scanner & Data Collector
KDC380DF 1D CCD WIFI Barcode Scanner & Data Collector
KDC380DNF 1D CCD WIFI Barcode NFC Scanner & Data Collector
KDC380C 2D Imager Bluetooth Barcode Scanner & Data Collector
KDC380CN 2D Imager Bluetooth Barcode NFC Scanner & Data Collector
KDC380CF 2D Imager WIFI Barcode Scanner & Data Collector
KDC380CNF 2D Imager WIFI Barcode NFC Scanner & Data Collector
KDC380MR Medium Range 2D Bluetooth Barcode Scanner & Data Collector
KDC380ER Extended Range 2D Bluetooth Barcode Scanner & Data Collector

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KDC380 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.

A
02:35:41
123456
KOAMTAC

B
Read Failed
KOAMTAC
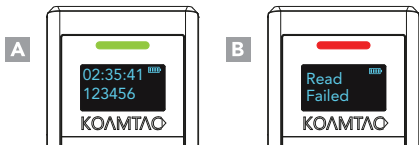
Bluetooth Profiles Explained

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.

4. Check the list of available Bluetooth devices on your host device.

5. From the list, select KDC380 listed by serial number in brackets that matches the serial number found on the back side of the KDC380.

6. In HID mode, KDC380 is now ready to use.

7. To complete connection in SPP mode, launch KTSync or your application and select KDC380.

* The KDC380 will beep when successfully connected.

Pairing Barcodes

HID

HID Windows

SPP

Pairing via NFC (Android Only)

NFC pairing is not supported on KDC380 models with Wi-Fi. This feature only applies to Android host devices and only available for HID & SPP profiles.

1. The default connection mode is SPP. To connect 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

Specs

Functionality

Memory Flash ROM: 512KB 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 (20mil Code39)

L - Laser: 1.40" to 52.00" (35 mm to 1320 mm)
D - CCD: 1.97" to 18.11" (50 mm to 460 mm)
C - Imager: 1.73" to 31.5" (44 mm to 800 mm)
MR - Imager: 3.3" to 59.0" (85 mm to 1500 mm)
ER - Imager: 3.4" to 104.1" (88 mm to 2848 mm)

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 the 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

Battery

Lithium-Ion, 1100 mAh

Interfaces

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

User Environment

Ingress Protection Rating: IP65
Drop Spec: 5 feet (1.5m)
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)

Supporting OS

Android / iOS / Mac OS X / Windows

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, 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.
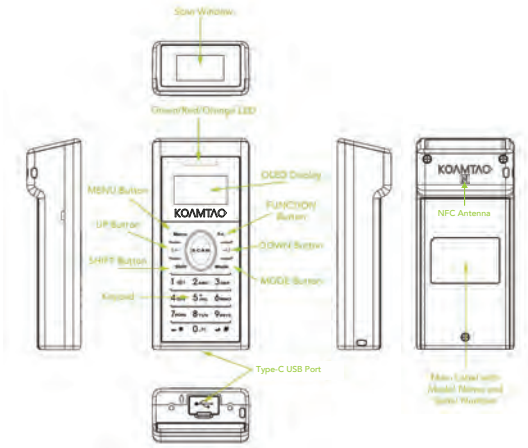
NFC Barcodes

Enable NFC
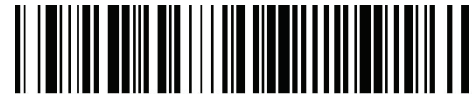
Disable NFC

*NFC is only available on select KDC380 models.

KDC380 Diagram

Wi-Fi Barcodes

Enable Wi-Fi

Disable Wi-Fi

*Wi-Fi is only available on select KDC380 models.
For complete instructions on how to configure Wi-Fi, please refer to the KDC Reference Guide:
www.koamtac.com/support/downloads/manuals-guides/