KOAMTAC

KDC350-R2
Quick Guide
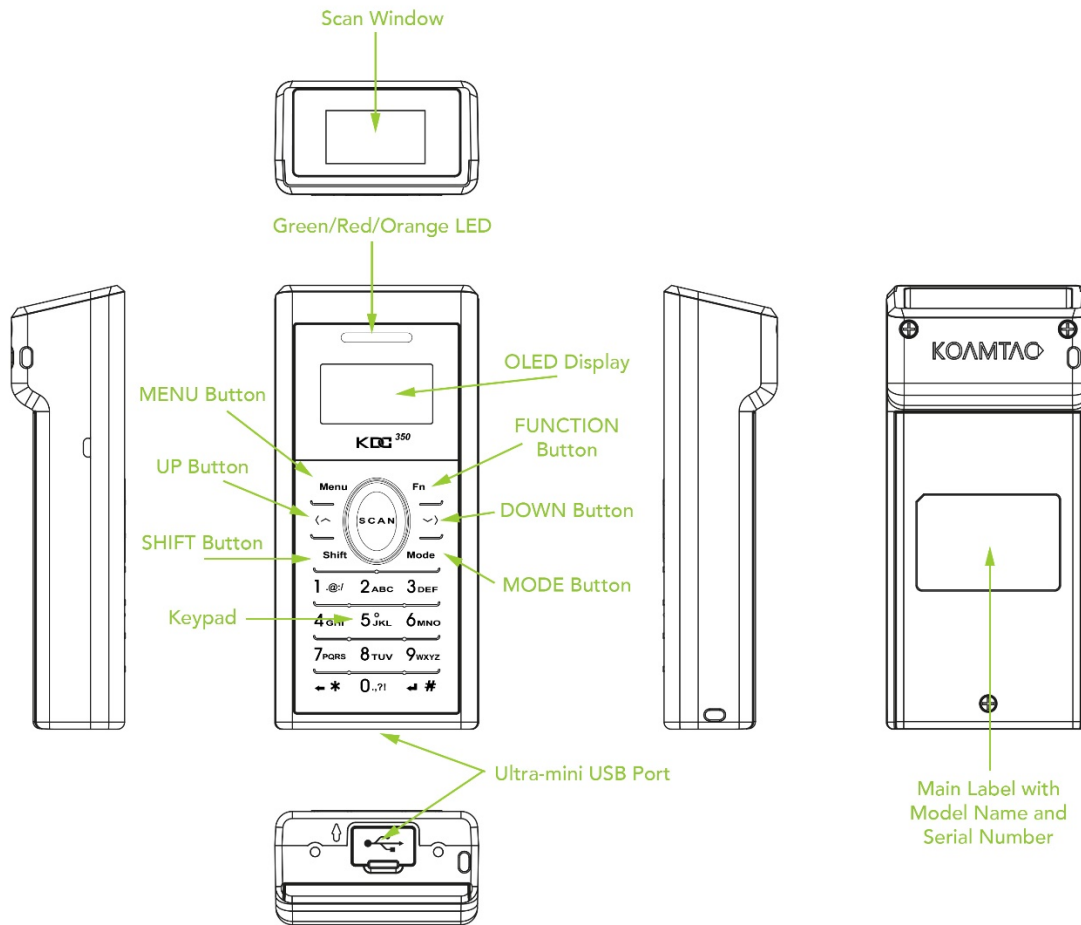
Contents

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1. Product Introduction

The KDC350-R2 Bluetooth barcode scanners is available with 1D Laser, 1D CCD, or 2D Imager scan engines.

1.1 KDC350-R2 Diagram

1.2 How to turn on and off

Refer to the figure in section 1.1 to locate the SCAN and DOWN buttons.

a) Press SCAN and DOWN buttons simultaneously for 3 seconds.
b) The KDC will beep when it is turned ON.

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2. Bluetooth Pairing

Connecting your KDC using Bluetooth is made easy with the below pairing barcodes. If you are unsure which profile is right for you, please visit www.koamtac.com for more information.

2.1 Pairing a KDC350 to your smart device

Android, Mac, Windows: HID Normal

iOS: HID iOS

SPP & MFi

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.

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3. Usage

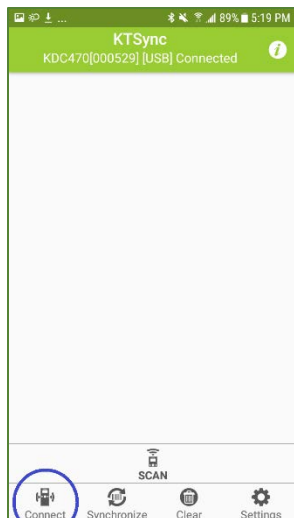### 3.1 Using Keyboard Wedge (HID Keyboard)

This option is only available using Bluetooth connection with HID profile.

Once the KDC is paired with the host, open any application with a text field and tap on the text field. Scan any barcode and it will populate in the text field.
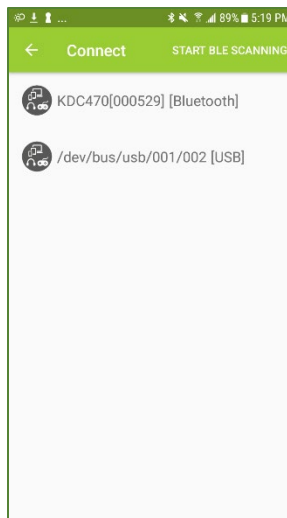
3.2 Using KTSync – Android/iOS

You can use KTSync to utilize your KDC alone or with a native application. This is only available using Bluetooth connection with SPP or MFi.
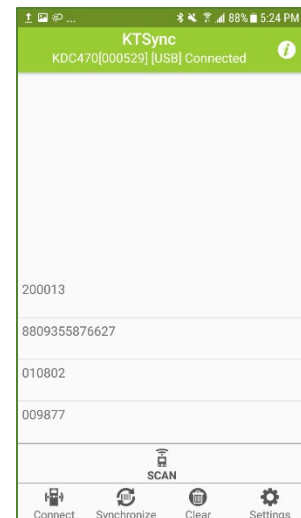
a) Download and install KTSync from the Google Play Store or the Apple App Store.
b) Open KTSync and tap on the "Connect" option on the bottom left to view a list of available devices. (Fig. 1)
c) From the device list, select your KDC – ensuring that the serial number displayed in brackets matches the serial number on the back of your KDC. (Fig. 2)
d) Upon successful connection, KTSync will display "Connected" next to the name of your KDC at the top of the application. (Fig. 3)
e) To test your connection, scan any barcode. If the connection is successful, the barcode data will display on the screen. (Fig. 3)

| < Fig. 1 > | < Fig. 2 > | < Fig. 3 > |

See Reference Manual for more detailed information.
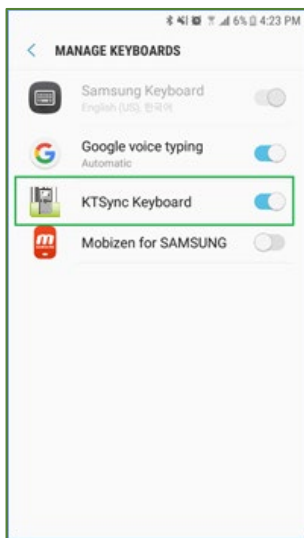Visit store.koamtac.com to purchase additional products and accessories.
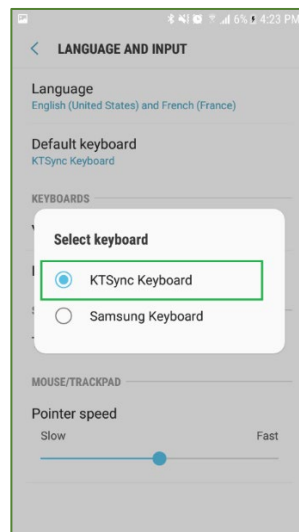
3.3 Using KTSync Keyboard – Android

Once your KDC is connected to KTSync, you can use your KDC as a keyboard.

a) While KTSync is running in the background, navigate to Settings > Language & Input > Virtual Keyboard > Manage keyboards
b) Tap on "KTSync Keyboard" to enable it.
c) Change "KTSync Keyboard" to the default keyboard. (Fig. 4)

To switch back to the previous keyboard, simply change the default keyboard again. Or, when a text field is selected swipe down from the top of the screen to bring up the notification panel. Select 'choose input method' and you can select the default keyboard from here. (Fig. 5)

< Fig. 4 >   < Fig. 5 >

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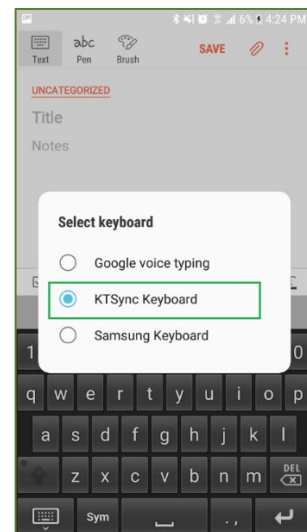
3.4 Using KTSync Keyboard – iOS
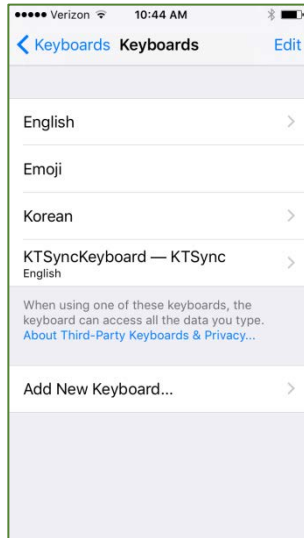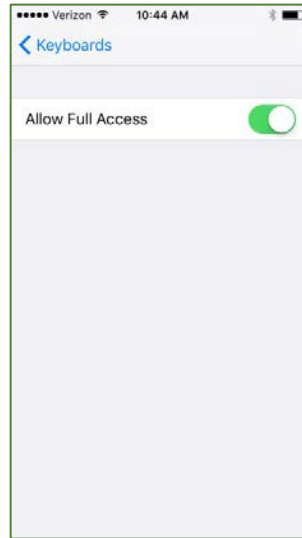
Once your KDC is connected to KTSync, you can use your KDC as a keyboard.

a) Navigate to the iPhone/iPad/iPod Settings > General > Keyboard > Keyboards > Add New Keyboard…
   > Select the KTSync keyboard to be added. (Fig. 6)
b) Select the KTSync Keyboard and toggle the switch to Allow Full Access. (Fig. 7)

< Fig. 6 >   < Fig. 7 >

c) Open the application you want to scan into and tap on the screen, so the on-screen keyboard appears.
d) Press and hold the globe icon located to the left of the spacebar.
e) Select the KTSync Keyboard and begin scanning. (Fig. 8)
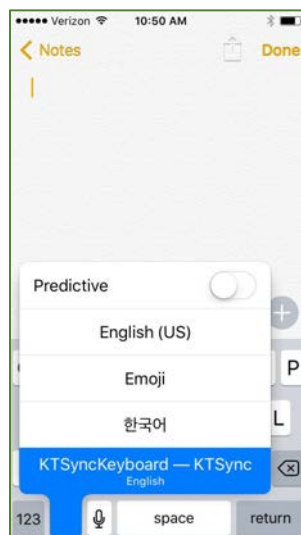
< Fig. 8 >

Note: The KDC must be connected to KTSync & the KTSync keyboard must be selected for this to work.

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3.5 Using other Developed Applications with SDK – Android/iOS

A Software Development Kit (SDK) for Android and iOS is available to all KOAMTAC customers to ensure smooth development of applications that work seamlessly with a KDC scanner. It's easy to request the SDK from the KOAMTAC website:

a) On any web browser, open www.koamtac.com
b) Navigate to SUPPORT > Downloads > SDK
c) Complete the form and submit it.

After submission, a KOAMTAC representative will reach out regarding next steps for completing the SDK Agreement.

The SDK package will have libraries, documents, a sample application, and its source code.

SDK Request Form

Fields marked with an * are required

First Name *

Last Name *

Company *

Email *

Phone *

Project/Application Description *

Submit

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4. Product Specifications

Physical	Design	Wireless Barcode Scanner and Data Collector
	Size	1.69" x 3.7" x 0.94" (43 mm x 94 mm x 24 mm)
	Weight	3.0 oz (85 g)
Functionality	Supporting OS	Android / iOS / Mac OS X / Windows
	Keys	19 Keys including Scan Key, Up/Left Key, Down/Right Key, Shift Key, Function Key, Mode Key, and Keypad(1,2,3,4,5,6,7,8,9,0,*,#)
	Buzzer	Yes
	LED Indicator	1 Tri-color LED (Red / Amber / Green)
	USB Port	1 Ultra-mini USB Port
Memory	RAM	SDRAM 64KB
	ROM	Internal Flash ROM 256KB External Flash ROM 8MB
	Barcode Storage	409,600 Barcodes (EAN-13)
Power	Battery (Standard)	1,130 mAh Lithium-ion
	Charging Solution	Ultra-mini USB Connector
	Charging Time	4 Hours
Communication	Bluetooth	V2.1+EDR, Class2, HID/SPP/MFi
	Ultra-mini USB	Flash Memory (Windows), USB HID, USB Serial (Android with OTG cable / Windows)
Barcode Reader	1D Laser	Yes
	1D CCD	Yes
	2D Imager	Yes
	# of scans per charge (1 sec interval)	Laser: >55,000 CCD: >35,000 Imager: >21,500
	# of scans per charge (10 sec interval)	Laser: >19,000 CCD: >9,500 Imager: >10,000
	Scan Range (10mil Code39)	Laser(10mil Code128): 1.2" to 19.0" (30 to 483 mm) CCD: 2.17" to 11.81" (55 to 300 mm) Imager: 1.1" to 13.3" (36 to 338 mm)
	Screen Reading	Laser: No CCD: Yes Imager: Yes
	Postal Codes / OCR Passport	Laser: No CCD: No Imager: Yes / Yes(Only for KDC350C-R1)
Environment	Drop Spec	5 ft (1.5 m)
	IP Rating	IP65

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	Operating Temp.	-4 ˚F to 122 ˚F (-20 ˚C to 50 ˚C)
	Storage Temp.	-4 ˚F to 140 ˚F (-20 ˚C to 60 ˚C)
	Humidity Spec	5% ~ 95% (non-condensing)
Regulatory Conformance	Laser Safety	IEC60825/CDRH Class II
	LED Safety	IEC62471:2006
	Regulatory	R&TTE, FCC, KC, TELEC, VCCI, RoHS Compliant
Accessories	1-Slot Charging Cradle	Yes
	4-Slot Charging Cradle	Yes
	Finger Trigger Glove	Yes
	Protective Boot	Yes

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