

# KOAMTAC

## KDC350-R2 Quick Guide



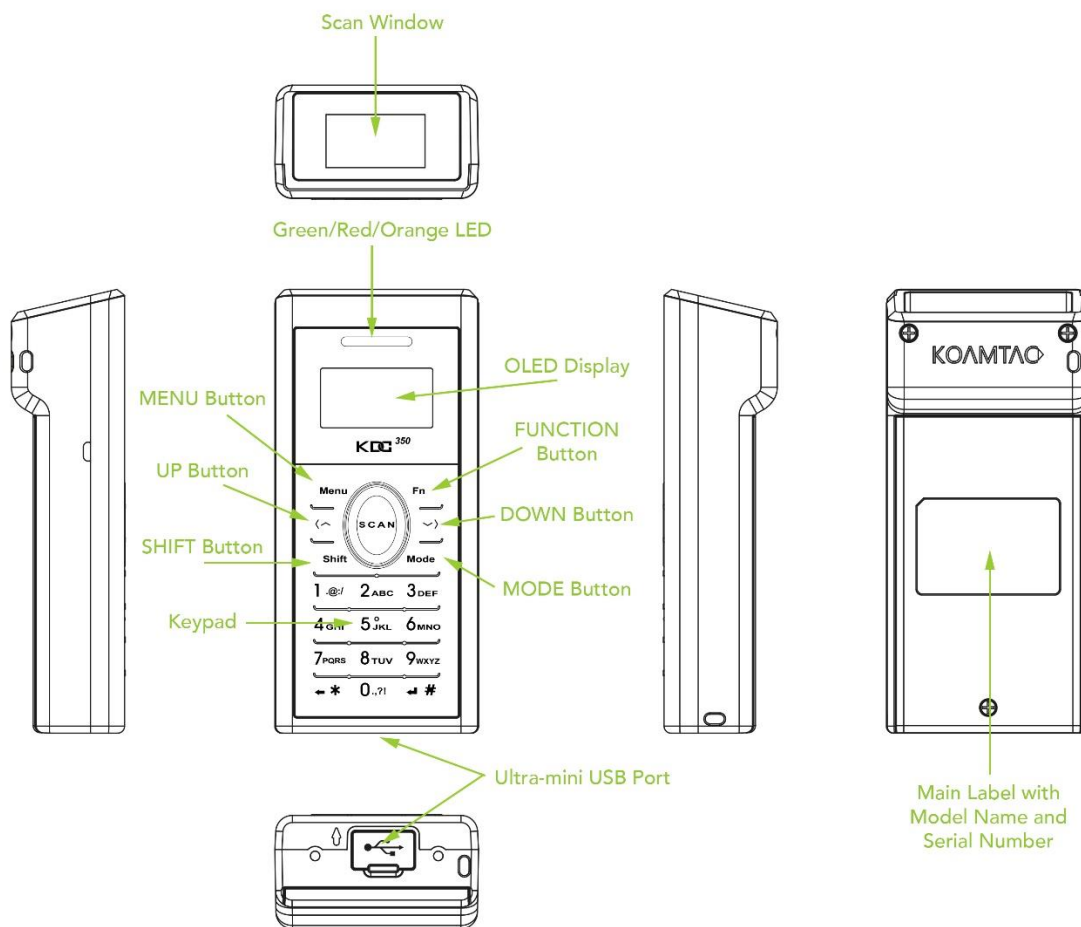
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## 1. Product Introduction

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.

- Press SCAN and DOWN buttons simultaneously for 5 seconds.
- The KDC will beep when it is turned ON.

## 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](http://www.koamtac.com) for more information.

### 2.1 Pairing a KDC350 to your smart device

Bluetooth Profile & Pairing	
For Android, Mac & Windows	For iOS
<b>1.</b> 	<b>3.</b> 
HID Normal & Pairing	HID iOS & Pairing
<b>2.</b> 	<b>4.</b> 
SPP & Pairing	MFi & Pairing

- a. On your smart device, navigate to the Bluetooth settings.
- b. Make sure Bluetooth is on.
- c. Scan the appropriate barcode above to pair the KDC350 to your device in the desired mode.
  - If using an Android, Mac, or Windows device and desire an HID connection, scan barcode 1 above.
  - If using an Android, Mac, or Windows device and desire a SPP connection, scan barcode 2 above.
  - If using an iOS device and desire an HID connection, scan barcode 3 above.
  - If using an iOS device and desire a MFi connection, scan barcode 4 above.
- d. Check the list of available Bluetooth devices on your host device. Select the KDC350 listed with the serial number in brackets that matches the serial number found on the back side the KDC350.

The KDC350 will beep upon connection.

## 3. Usage

### 3.1 Using Keyboard Wedge (HID Keyboard)

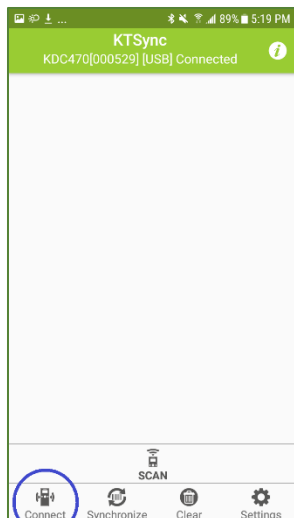
This option is only available using Bluetooth connection with HID profile.

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.

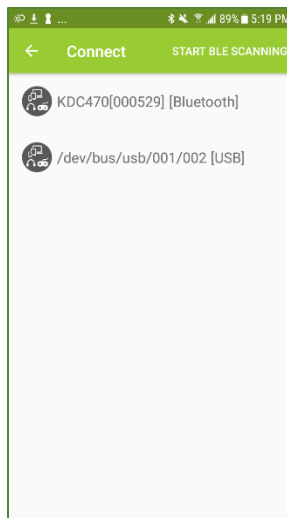
### 3.2 Using KTSync – Android/iOS

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.

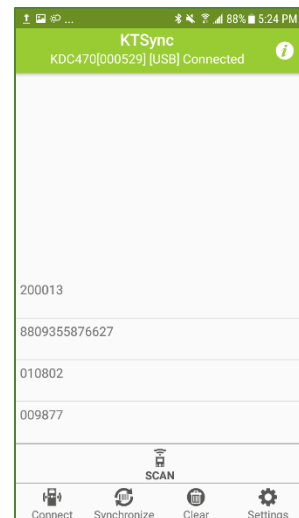
- Download and install KTSync from the [Google Play Store](#) or the [Apple App Store](#).
- Open KTSync and tap on the “Connect” option on the bottom left to view a list of available devices. (Fig. 1)
- From the device list, select your KDC – ensuring that the serial number displayed in brackets matches the serial number on the back of your KDC. (Fig. 2)
- Upon successful connection, KTSync will display “Connected” next to the name of your KDC at the top of the application. (Fig. 3)
- 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 >



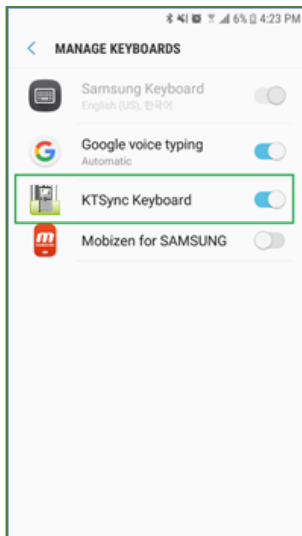
< Fig. 3 >

### 3.3 Using KTSync Keyboard – Android

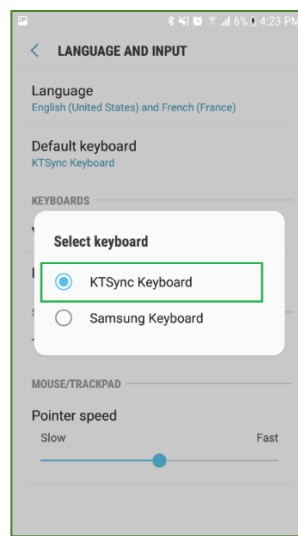
Once your KDC is connected to KTSync, you can use your KDC as a keyboard.

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

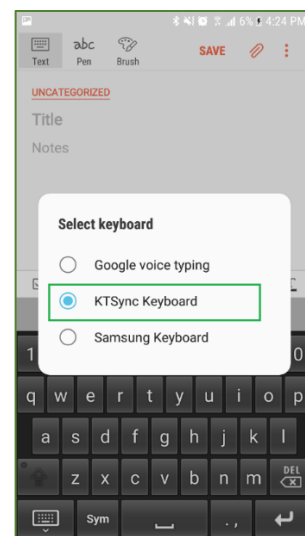
To switch back to the previous keyboard, simply change the default keyboard again. Or, when a text field is selected swipe down from the top of the screen to bring up the notification panel. Select ‘choose input method’ and you can select the default keyboard from here. (Fig. 5)



< Fig. 4 >



< Fig. 5 >



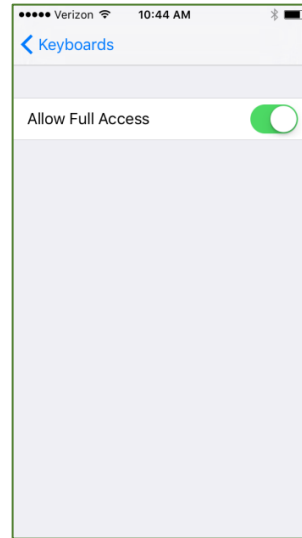
## 3.4 Using KTSync Keyboard – iOS

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

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

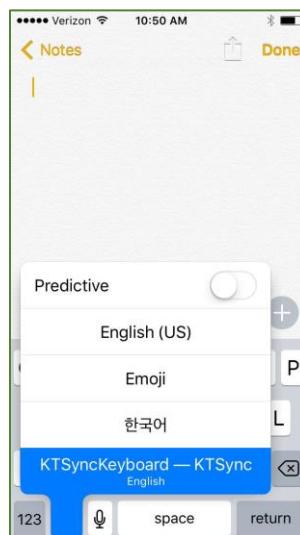


< Fig. 6 >



< Fig. 7 >

- Open the application you want to scan into and tap on the screen, so the on-screen keyboard appears.
- Press and hold the globe icon located to the left of the spacebar.
- 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.

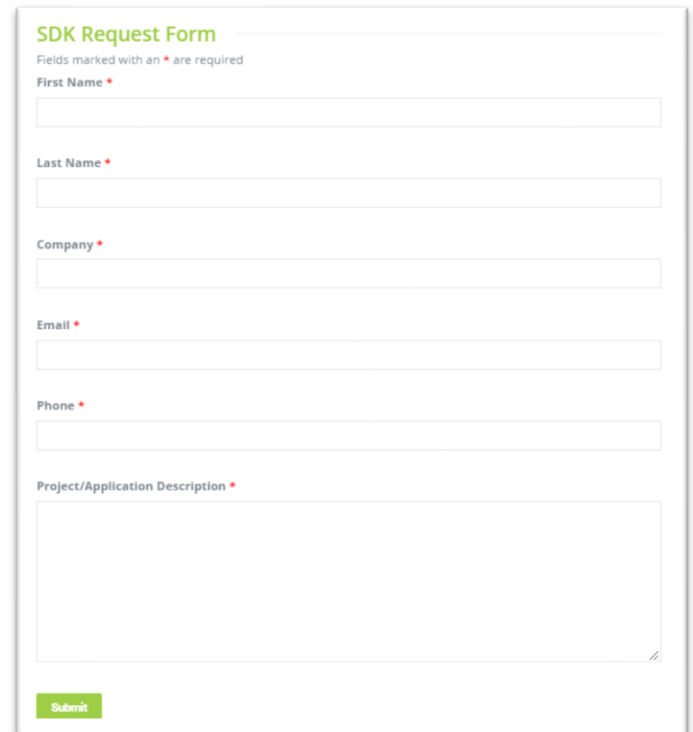
## 3.5 Using other Developed Applications with SDK – Android/iOS

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](http://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.



The image shows a screenshot of a web form titled "SDK Request Form". At the top, it says "Fields marked with an \* are required". The form contains several input fields: "First Name \*", "Last Name \*", "Company \*", "Email \*", and "Phone \*", each followed by a text input box. Below these is a larger text area for "Project/Application Description \*". At the bottom left of the form is a green "Submit" button.



## 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
	USB	USB to Serial (Ultra-mini USB Connector)
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
Environment	Drop Spec	5 ft (1.5 m)
	IP Rating	IP65
	Operating Temp.	-4 °F to 122 °F (-20 °C to 50 °C)

See Reference Manual for more detailed information.

Visit [store.koamtac.com](http://store.koamtac.com) to purchase additional KDCs and accessories.

	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