KOAMTAC 356853

KDC470Ci-BLE 2D Imager Barcode SmartSled Scanner User Manual

Model: KDC470Ci-BLE (P/N: 356853)
Brand: KOAMTAC

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your KOAMTAC KDC470Ci-BLE 2D Imager Barcode SmartSled Scanner. Designed for seamless integration with iOS, Android, and Windows portable devices, the KDC470Ci-BLE offers efficient 2D barcode scanning with the added benefit of Bluetooth Low Energy (BLE) for extended battery life and reliable connectivity.

PRODUCT OVERVIEW

Familiarize yourself with the components of your KDC470Ci-BLE scanner.

Figure 1: KOAMTAC KDC470Ci-BLE Scanner. This image displays the side profile of the black KDC470Ci-BLE scanner. On the left, the 2D imager lens is visible. Towards the right, several buttons are present, including a main function button, a smaller button, and a 'LOCK' button. Further right, a removable battery cover is indicated by 'BATTERY' text and three vertical lines, suggesting a grip or indicator. The overall design is sleek and compact.

Key Components:

- **2D Imager Lens:** Located at the front, used for scanning 1D and 2D barcodes.
- **Scan Button:** Primary button for initiating barcode scans.
- **Function Buttons:** Additional buttons for various operations (e.g., power, mode selection).
- **Battery Compartment:** Houses the removable battery, accessible from the side/rear.
- **Charging Contacts:** Located at the base, for charging with compatible accessories.

- **SmartSled Connector:** Interface for attaching to custom cases for smart devices (sold separately).

KEY FEATURES

The KDC470Ci-BLE scanner is equipped with features designed for optimal performance and user convenience:

- **Diverse Class 2 Bluetooth Profiles:** Supports HIID, SPP, MI, and various reconnection methods for seamless connectivity with a wide range of devices.
- **Advanced Power Management:** Features a "hibernation mode" to conserve battery life when not actively in use, extending operational time beyond an average work shift.
- **BLE Technology:** Utilizes Bluetooth Low Energy for prolonged battery life and consistent, reliable connectivity.
- **Modular Design:** Uniquely designed to attach to any smart device via custom cases (sold separately), allowing for integrated charging and enhanced functionality.
- **Expandability:** Compatible with various enhancements such as RFID scanning, external battery packs, pistol grips, and custom cases.

SETUP

1. Initial Charging:

Before first use, fully charge the KDC470Ci-BLE scanner. Connect the scanner to a power source using the provided charging cable or a compatible charging cradle (sold separately). The charging indicator light will show the charging status.

2. Powering On/Off:

- **To Power On:** Press and hold the main function button for approximately 3 seconds until the device powers on.
- **To Power Off:** Press and hold the main function button for approximately 3 seconds until the device powers off.

3. Bluetooth Pairing:

The KDC470Ci-BLE uses Bluetooth Low Energy for connection. Follow these steps to pair with your host device (iOS, Android, or Windows):

1. Ensure the KDC470Ci-BLE is powered on and within range of your host device.
2. On your host device, navigate to the Bluetooth settings.
3. Enable Bluetooth and search for available devices.
4. Select "KDC470Ci-BLE" from the list of found devices.
5. Follow any on-screen prompts to complete the pairing process. A successful connection will be indicated by a specific LED pattern on the scanner.

For optimal performance, it is recommended to use the KOAMTAC KTSync application, available for various platforms, to manage and configure your KDC device.

OPERATING

Scanning Barcodes:

To scan a barcode:

1. Point the 2D imager lens at the barcode you wish to scan.
2. Press and hold the scan button. A red aiming beam will appear.
3. Align the aiming beam with the center of the barcode.
4. Once the barcode is successfully read, the scanner will emit a beep and/or vibrate, and the data will be transmitted to your connected host device.
5. Release the scan button.

For best results, ensure the barcode is clean, well-lit, and within the scanner's optimal reading distance.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your KDC470Ci-BLE scanner.

- **Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a mild, non-abrasive cleaner to wipe the exterior of the device. Do not use harsh chemicals or abrasive materials.
- **Lens Care:** Keep the imager lens clean and free of dust or smudges. Use a lens cleaning cloth specifically designed for optical surfaces.
- **Storage:** Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** If storing for an extended period, ensure the battery is partially charged (around 50%) to preserve its lifespan. Avoid fully discharging the battery for long periods.

TROUBLESHOOTING

If you encounter issues with your KDC470Ci-BLE scanner, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Scanner does not power on.	Low or depleted battery.	Charge the scanner fully.
Cannot pair with host device.	Bluetooth not enabled on host device; scanner not in pairing mode; out of range.	Ensure Bluetooth is on. Restart scanner and host device. Move closer. Check KTSync app for pairing assistance.
Scanner not reading barcodes.	Dirty lens; incorrect aiming; damaged barcode; scanner not in correct mode.	Clean the imager lens. Ensure proper aiming. Try scanning a different barcode. Check scanner configuration via KTSync.
Data not transmitting to host device.	Bluetooth connection lost; incorrect application focus on host device.	Verify Bluetooth connection. Ensure the cursor is in the correct input field on your host device application.

If the problem persists after attempting these solutions, please refer to the support section or contact KOAMTAC customer service.

SPECIFICATIONS

Detailed technical specifications for the KDC470Ci-BLE scanner:

- **Model Number:** 356853

- **Product Dimensions:** 2.56 x 4.13 x 0.62 inches

- **Item Weight:** 12 ounces

- **Connectivity Technology:** Bluetooth (Class 2, including BLE)

- **Power Source:** Battery Powered

- **Compatible Devices:** Laptop, Desktop, Smartphone (iOS, Android, Windows)

- **Scanner Type:** 2D Imager

- **First Available:** November 13, 2018
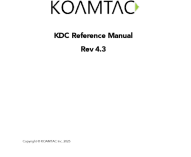
- **Manufacturer:** KOAMTAC
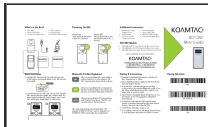
WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, and additional resources, please visit the official KOAMTAC website or contact their customer service department.
You can also visit the KOAMTAC Store on Amazon for more product information and accessories.

Related Documents - 356853

	KOAMTAC KDC470 & KDC475 Series Mini Guide: Barcode Scanner Operation & Features Concise guide to the KOAMTAC KDC470 and KDC475 series Bluetooth barcode scanners. Learn about setup, operation, pairing, specifications, and accessories for efficient data collection.
	KOAMTAC KDC SmartSled Hand Strap Assembly Manual Step-by-step instructions for assembling the KOAMTAC KDC SmartSled Hand Strap, including what's in the box, assembly steps, and available accessories for KDC470/475/480/485 scanners.
	KOAMTAC KDC Series: Advanced Bluetooth Barcode Scanners, Data Collectors & mPOS Companions Explore the comprehensive KOAMTAC KDC series of rugged, versatile Bluetooth barcode scanners, data collectors, and mPOS companions. Featuring models like KDC20, KDC30, KDC100, KDC200, KDC250, KDC270, KDC280, KDC300, KDC350, KDC400, KDC470, KDC475, and KDC500, these devices offer advanced features, robust design, and seamless connectivity for diverse auto-identification and payment needs.
	KOAMTAC KDC Reference Manual Rev 4.3: Features, Operation, and Connectivity This comprehensive reference manual from KOAMTAC details the features, installation, operation, and connectivity options for the KDC series of barcode scanners and data collectors. It covers Bluetooth, Wi-Fi, NFC, UHF, KTSync software, and various KDC models, providing essential guidance for users.
	KOAMTAC KDC480/KDC485 Series Mini Guide: Barcode Scanner Operation and Specs Comprehensive guide to the KOAMTAC KDC480 and KDC485 series barcode scanners, covering setup, operation, Bluetooth profiles, accessories, and technical specifications.

[KOAMTAC KDC280 Mini Guide: Bluetooth Barcode Scanner](#)

Concise guide to the KOAMTAC KDC280 Bluetooth Low Energy (BLE) barcode scanner, covering setup, operation, pairing, and accessories.