

KOAMTAC 382720

KDC180H 2D Imager Wearable Barcode Scanner & Data Collector

Model: 382720 | Brand: KOAMTAC

INTRODUCTION

The KOAMTAC KDC180H is a compact and lightweight 2D imager barcode scanner and data collector, designed for seamless integration with wearable solutions such as KOAMTAC's Ring Scanner or Finger Trigger Glove. This device is built for durability, featuring an IP65 rating for dust and water resistance and a 5-foot drop specification, making it suitable for various demanding environments.

Equipped with advanced power management, the KDC180H enters a 'hibernation mode' when not in active use, extending battery life to last an average work shift. It supports flexible charging via a Micro USB cable or pogo pins with KOAMTAC Multi-bay Charging Cradles. The KDC180H utilizes Bluetooth Low Energy (BLE 5.0) for fast and simple connections with smartwatches, smart glasses, and other wearable smart devices, ensuring low power consumption and efficient data transmission.

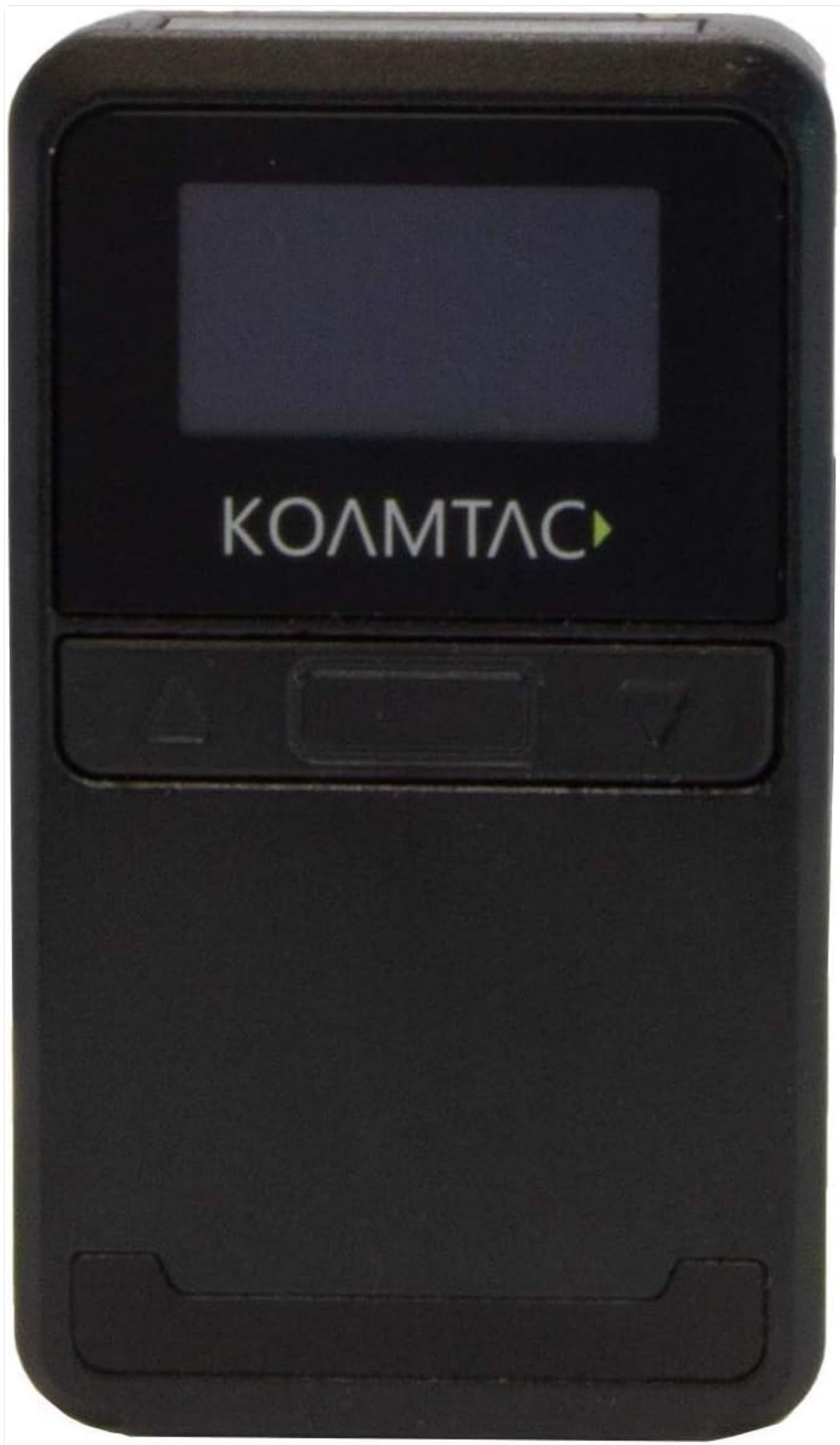


Figure 1: Front view of the KDC180H Barcode Scanner.

KEY FEATURES

- **Bluetooth Low Energy (BLE) Connectivity:** Supports HID/SPP/Open methods for seamless connection with various devices.
- **Advanced Power Management:** Features a 'hibernation mode' to conserve battery life during inactivity, ensuring extended operation.
- **Wearable Solution Compatibility:** Designed to integrate with KOAMTAC Finger Trigger Glove and Ring Scanner for hands-free data collection.
- **Versatile Charging Options:** Can be charged via Micro USB cable or pogo pins using KDC180 Charging Cradles.
- **Durable Design:** IP65-rated for dust and water resistance, with a 5-foot drop specification.
- **2D Imager:** Capable of reading all major 2D barcode symbologies.
- **Informative Display:** Features a 1-inch OLED display and 5 programmable LED indicators for user feedback.

SETUP

Charging the KDC180H

Before initial use, fully charge your KDC180H. The device can be charged using one of the following methods:

1. **Micro USB Cable:** Connect the provided Micro USB cable to the KDC180H's charging port and plug the other end into a compatible USB power adapter or computer USB port.
2. **Multi-bay Charging Cradle:** Place the KDC180H into a KOAMTAC Multi-bay Charging Cradle, ensuring the pogo pins align correctly.

The LED indicators will provide feedback on the charging status.



Figure 2: Side view of the KDC180H, highlighting charging ports.

Connecting via Bluetooth

The KDC180H uses Bluetooth Low Energy (BLE 5.0) for wireless communication. To connect your KDC180H to a host device (e.g., smartphone, tablet, PC):

1. Ensure Bluetooth is enabled on your host device.
2. Power on the KDC180H.
3. On your host device, search for available Bluetooth devices. The KDC180H should appear in the list.
4. Select the KDC180H from the list to pair. Follow any on-screen prompts for pairing codes if necessary.
5. Once paired, the KDC180H is ready for data transmission.

OPERATING THE KDC180H

Scanning Barcodes

The KDC180H is equipped with a 2D imager capable of reading all major barcode symbologies. To scan a barcode:

1. Point the KDC180H's scanning window at the barcode.
2. Press the scan button (typically located on the device).
3. Ensure the aiming beam covers the entire barcode. A successful scan will typically be indicated by an audible beep and/or a change in the LED indicator status.

Display and LED Indicators

The 1-inch OLED display provides essential information such as battery status, connection status, and scan feedback. The KDC180H also features 5 programmable LED indicators that provide visual cues for various operational states, including successful scans, charging status, and connection status. Refer to the full KDC180H manual on the KOAMTAC website for detailed LED indicator meanings.

Integration with Wearable Solutions

The KDC180H is designed to be integrated with KOAMTAC's wearable accessories for enhanced productivity:

- **Ring Scanner:** Attach the KDC180H to the KOAMTAC Ring Scanner for hands-free scanning, ideal for tasks requiring both hands.
- **Finger Trigger Glove:** Secure the KDC180H to the Finger Trigger Glove for comfortable, ergonomic scanning during extended periods.

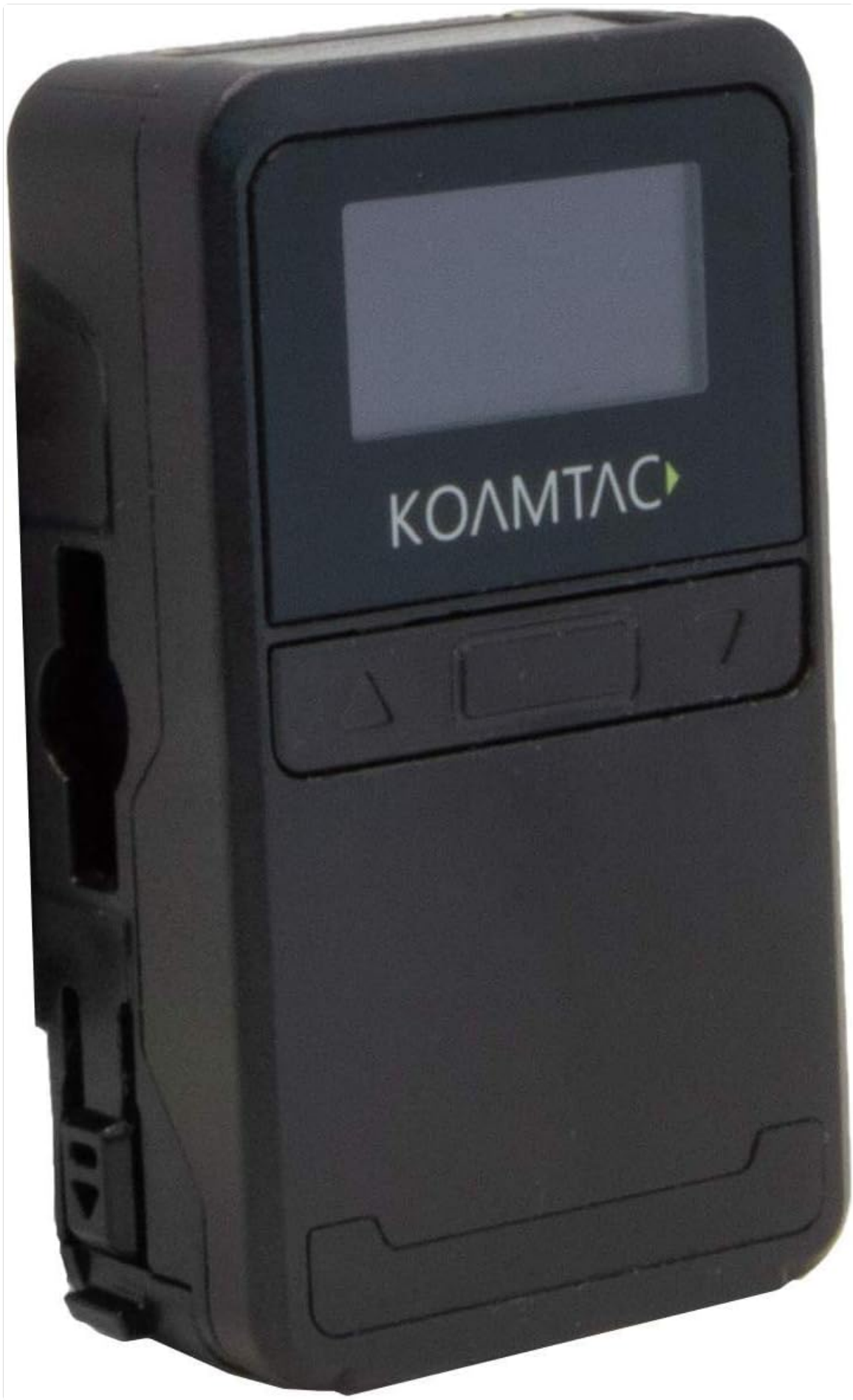


Figure 3: Angled view of the KDC180H, illustrating its compact form factor.

Cleaning the Device

To maintain optimal performance and extend the life of your KDC180H, keep it clean. Use a soft, lint-free cloth slightly dampened with water or a mild, non-abrasive cleaning solution. Avoid using harsh chemicals, solvents, or abrasive materials, as these can damage the device's surface or internal components. Ensure the device is powered off and disconnected from any power source before cleaning.

Battery Care and Storage

The KDC180H features advanced power management to optimize battery life. For long-term storage, it is recommended to charge the device to approximately 50% and store it in a cool, dry place. Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods, as this can degrade battery performance and overall device longevity.

TROUBLESHOOTING

If you encounter issues with your KDC180H, try the following basic troubleshooting steps:

- **Device Not Powering On:** Ensure the battery is sufficiently charged. Connect the device to a charger and allow it to charge for at least 30 minutes before attempting to power it on again.
- **Unable to Connect via Bluetooth:** Verify that Bluetooth is enabled on both the KDC180H and the host device. Ensure the devices are within range and there are no significant obstructions. Try unpairing and re-pairing the device.
- **Scanning Issues:** Check if the barcode is clean and undamaged. Ensure the scanning window on the KDC180H is clean. Verify that the correct barcode symbologies are enabled in the device settings (if applicable).
- **Unresponsive Device:** If the device becomes unresponsive, try performing a soft reset by holding down the power button for an extended period (refer to the full manual for specific instructions).

For more complex issues or persistent problems, please refer to the comprehensive troubleshooting guide available on the KOAMTAC support website or contact KOAMTAC technical support.

SPECIFICATIONS

Feature	Detail
Product Dimensions	4.72 x 3.54 x 6.69 inches
Item Weight	1 pounds
Model Number	382720
Batteries	1 Lithium Ion battery required
Manufacturer	KOAMTAC
Compatible Devices	Desktop, Laptop, Smartphone
Power Source	Battery Powered
Connectivity Technology	Bluetooth, USB Cable

SUPPORT AND WARRANTY INFORMATION

Software and SDK

The KDC180H is supported by KOAMTAC's KTSync software, which offers features like keyboard wedging, application generation, database lookup, and inventory management. Complementary SDKs are available for Android, iOS, Mac OS X, Tizen, and Windows devices, facilitating easy data collection integration into your existing systems.

Technical Support





KOAMTAC provides technical support from their team of engineers and developers to assist with any queries or integration challenges. For support, please visit the official KOAMTAC website or contact their customer service.



Warranty

Warranty information for the KDC180H is typically provided at the time of purchase or can be found on the official KOAMTAC website. Please refer to the warranty documentation for details regarding coverage, terms, and conditions.

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Related Documents - 382720

	<p>KOAMTAC KDC180 Mini Guide: Features, Pairing, and Specifications</p> <p>A concise guide to the KOAMTAC KDC180 wearable barcode scanner, covering setup, Bluetooth pairing (HID/SPP/NFC), UHF functionality, accessories, and technical specifications.</p>
	<p>KOAMTAC KDC185 Quick Guide: Bluetooth Barcode Scanner Setup and Features</p> <p>A comprehensive quick guide for the KOAMTAC KDC185 Bluetooth barcode scanner, covering setup, pairing, usage, specifications, and the social distancing feature.</p>
	<p>KOAMTAC KDC Reference Manual Rev 4.3: Features, Operation, and Connectivity</p> <p>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.</p>
	<p>KOAMTAC KDC80 Quick Guide: Setup, Pairing, and Features</p> <p>Explore the KOAMTAC KDC80 Bluetooth barcode scanner with this quick guide. Learn about setup, pairing via Bluetooth or NFC, usage with KTSync, product specifications, and the social distancing feature. Ideal for businesses seeking efficient data collection.</p>

	<p>KOAMTAC KDC185 Quick Guide: Features, Pairing, and Usage</p> <p>A comprehensive quick guide for the KOAMTAC KDC185 Bluetooth barcode scanner, covering setup, pairing (Bluetooth/NFC), usage modes (HID, SPP, KTSync), product specifications, and the social distancing feature. Learn how to connect and utilize the KDC185 for efficient data collection.</p>
	<p>KOAMTAC KDC270 Bluetooth Barcode Scanner Mini Guide</p> <p>A concise guide to the KOAMTAC KDC270 Bluetooth barcode scanner, covering setup, operation, Bluetooth profiles, and specifications.</p>

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