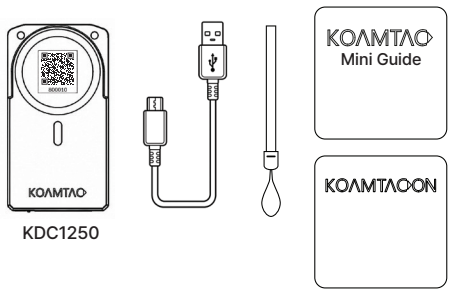
What's in the Box?

- KDC1250 Universal Magnetic UHF Reader
- USB Type-C Cable
- Wrist Strap
- Mini Guide
- KOAMTACON Guide



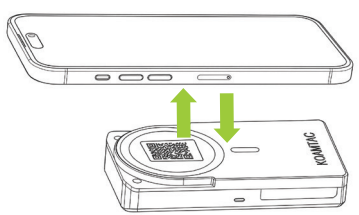
KDC1250

* KDC1250 units will come pre-installed with the Magnetic Universal Adaptor.

Attaching & Removing the KDC1250

The KDC1250 uses a built-in magnetic mount to securely attach the SmartSled to your smartphone. Your phone must have built-in magnetic alignment or use a compatible magnetic case.

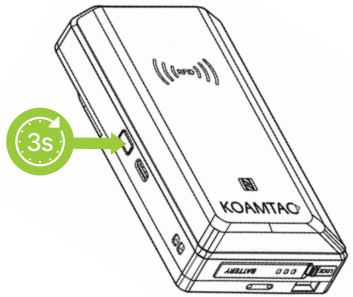
1. Hold your phone face-up and parallel to the KDC1250, then slowly lower it toward the surface.
2. The magnets will guide the device into alignment. It will snap firmly into place without force.
3. To remove, grip the phone firmly on both sides and pull directly away from the KDC1250 with steady, even pressure. Do not twist or pry.



Powering the KDC1250 On/Off

Press and hold the SCAN button for 3 seconds.

The KDC1250 LED will illuminate when the device is powered on and turn off when it is powered off.



Bluetooth Pairing via Device QR Code

Ensure your smartphone has a compatible browser installed and set as the default:

Android: Chrome | **iOS:** Bluefy Web BLE browser

Allow all Bluetooth and browser permissions when prompted.

1. Open your phone's camera app and scan the QR code on the KDC1250.
2. Tap the link that appears in the camera app to open the KOAMTAC pairing page in the browser.
3. Tap the Start button in the browser to search for nearby KDC devices.
4. Select the KDC1250 with the matching serial number and tap Pair.
5. Tap Pair on the pop-up to complete Bluetooth pairing.



Additional Resources

For product specifications, detailed documentation, setup guides, and support resources for the MUA and KDC1250 SmartSled, visit koamtac.com.

The KOAMTAC website is regularly updated with the latest product information, firmware updates, and compatible accessories.

For step-by-step video guides, product walkthroughs, and tutorials covering the full range of KOAMTAC devices, visit the official KOAMTAC channel on YouTube at youtube.com/user/koamtac. * Smartphone so

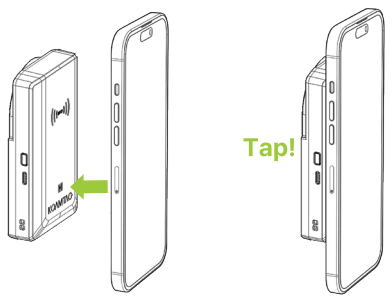
KOAMTAC

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+1 609-256-4700 p
info@koamtac.com | www.koamtac.com

Bluetooth Pairing via NFC

The KDC1250 also supports NFC pairing for a quick and easy Bluetooth connection. This option is available on Android devices only.

1. Enable NFC on your smartphone.
2. Tap your smartphone against the KDC1250 NFC logo.
3. Follow the on-screen prompts to complete pairing.



KOAMTAC

KDC1250

Mini Guide



*Smartphone and case sold separately.

For details on warranty, certifications, and legal compliance, please refer to koamtac.com and the Reference Manual.

Bluetooth Profiles

The KDC1250 supports SPP and HID Bluetooth modes, with SPP as the default and recommended mode for UHF RFID applications.

SPP — Allows two-way Bluetooth communication. The KDC1250 transmits data to the host device and the host device can transmit data back to the KDC1250.

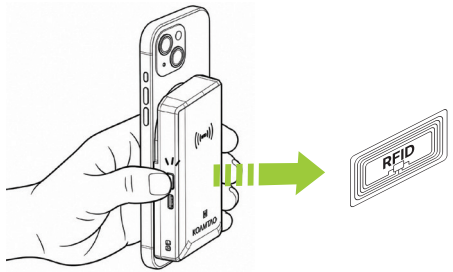
HID — Allows one-way Bluetooth communication with an Android or iOS host device. The KDC1250 only transmits data to the host device.

To switch modes, power off the KDC1250, then press and hold the SCAN button for more than 5 seconds while powering on. The LED indicator flashes orange 10 times in HID mode and green 10 times in SPP mode.

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.

Basic Operation (Reading RFID Tags)

1. Keep the device straight and point the RFID antenna toward the RFID tag. Press the SCAN button to read the tag.



2. The LED will blink green upon a successful scan.

Changing the UHF Tag Read Mode

The KDC1250 supports three UHF read modes: **Single**, **Multiple**, and **Auto**, which control how many tags are read per scan or button press. Change modes through KTSync or a custom app built with our SDK.

UHF Single Read Mode

- Choose from five operating modes, with Adaptive as the default:
  - **Adaptive (default):** Reads only when tags are present, sleeps when none are detected.
  - **Intensive:** Reads continuously until stopped by the SCAN button or a stop command.
  - **Moderate:** Reads 5 seconds, pauses 5 seconds, repeats.
  - **Casual:** Reads 2 seconds, pauses 8 seconds, repeats.
  - **Manual:** Reads and pauses for user-defined durations.

UHF Single Read Mode

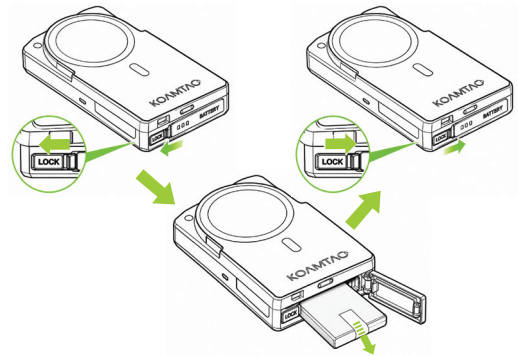
- Reads one tag per press.

UHF Multiple Read Mode

- Reads multiple tags at once for a set duration per press.

Changing the Battery

1. Slide the battery cover lock switch to the left. The battery cover is on the bottom of the KDC1250.
2. Lift the cover to open it, then pull the battery removal ribbon to take out the battery.



External USB-C Port

The KDC1250 SmartSled features an external USB-C port that can be used to charge the device with a power adapter or to connect it to a PC for data access.

The KDC1250 also features integrated pogo pin contacts, allowing the it to charge via KOAMTAC 1-, 2-, and 10-slot charging cradles. The smartphone must be charged separately.



Using Keyboard Wedge

The KDC1250 supports Keyboard Wedge input mode (HID profile or KTSync/SPP).

Keyboard Wedge:

1. Connect the KDC1250 to the host device via HID profile or the KTSync keyboard using the SPP profile.
2. Open any app on the host device with a text field and tap it.
3. Read a tag - the data will automatically populate the field.

KTSync & SDK

KTSync® is a program which communicates with the KDC1250 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 KDC1250. 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 KDC1250. The KOAMTAC SDK covers all major development platforms: Android, iOS, Windows, Xamarin, Cordova, React Native and Flutter. 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.

KOAMTACON

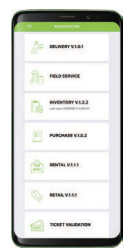
The first application suite of its kind, KOAMTACON is a data collection cloud suite designed specifically to be used with KDC Bluetooth barcode scanners, RFID readers, and Magnetic Stripe Readers (MSR) to collect data in any situation.

With apps ranging from ticketing to warehouse management, KOAMTAC has you covered. It's never been so easy to collect data via barcodes, RFID, or Magnetic Stripe.

KOAMTACON is:

- Simple to maintain
- Easy to use
- Cloud-based
- Compatible with any device

For more information please visit:
www.koamtac.com



UHF Specs

Standards Supported: EPC Class1 Gen2, EPC Gen2 V2, EPC Gen2 V3

Nominal Read Range: Up to 9.8' (3.0 m) dependent on tag type and operating environment

Frequency: US, EU

Output Power Range: +1 to +27 dBm

Read Rate: 170 tags per second

Stores: 409,600 RFID tags



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