

ZKTeco ZKB104

ZKTeco ZKB104 Wireless Barcode Scanner User Manual

Model: **ZKB104** | Brand: **ZKTeco**

1. INTRODUCTION

This manual provides comprehensive instructions for the ZKTeco ZKB104 Wireless Barcode Scanner. Designed for efficiency and ease of use, this portable CCD scanner is ideal for various applications including retail, warehousing, and point-of-sale systems. It offers fast and accurate 1D barcode scanning capabilities with a simple plug-and-play setup. Key features include advanced CCD scanning technology, plug-and-play functionality, durable ABS plastic construction, and intelligent decoding capabilities with customizable settings.

2. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the ZKB104 barcode scanner and its components.



Figure 2.1: ZKTeco ZKB104 Wireless Barcode Scanner with its adjustable stand and included USB cables for connectivity and charging.

Soporte Ajustable

Cambio instantáneo entre los modos portátil y manos libres sin ningún ajuste



Figure 2.2: Detailed view highlighting the barcode scanner's scan window and the scan button for operation.



Figure 2.3: Product dimensions of the ZKB104 scanner, showing its length, width, and height for both front and side views.



Figure 2.4: The ZKB104 barcode scanner shown with its USB connection cable, ready for wired operation or charging.



VENTANA DE ESCANEO



BÓTON ESCANEO



BÓTON ESCANEO



Figure 2.5: The adjustable stand allows for instant switching between handheld and hands-free scanning modes without additional adjustments.

Acepta todos los códigos de barras 1D comunes

✗ No lee códigos de barras desde pantalla digital

✗ No lee códigos de barras 2D.



Figure 2.6: This image illustrates that the ZKB104 scanner accepts all common 1D barcodes, such as UPC/EAN and Code 39. It explicitly states that it does not read barcodes from digital screens or 2D barcodes like QR codes.

3. SETUP

The ZKTeco ZKB104 barcode scanner is designed for simple plug-and-play installation, requiring no manual driver or application installation.

1. **Connect the Scanner:** Connect the scanner to your computer (desktop or laptop) using the provided USB cable. The scanner will be automatically recognized by most operating systems.
2. **System Compatibility:** The scanner is compatible with various systems and supports multiple keyboard layouts from over twenty countries.
3. **Initial Test:** Open a text editor or any application that accepts text input (e.g., Notepad, Word, Excel) and scan a 1D barcode. The barcode data should appear in the application.

The device is designed to be compatible with Novell automatically.

4. OPERATING INSTRUCTIONS

The ZKB104 utilizes advanced CCD scanning technology for quick and accurate barcode capture.

- **Scanning Barcodes:**

Point the scanner's window at the 1D barcode you wish to read and press the scan button. The scanner will emit a red light to indicate it is active. A successful scan is typically confirmed by an audible beep and an LED indicator.

The scanner can read 1D barcodes from both paper and digital screens, including CODE128, UPC/EAN Add on 2 or 5. It is capable of reading deformed, stained, damaged, blurry, or reflective barcodes more quickly and accurately than laser scanners.

- **Supported Barcode Types:**

The scanner supports a wide range of 1D barcode symbologies, including Codabar, Code 128, UPC, EAN, and more. It offers over 180 configurable options and extended ASCII support.

- **Scanning Angle:**

The scanner features a bidirectional reading type with an inclination angle of 45° and an elevation angle of 60° for flexible scanning.

- **Intelligent Decoding:**

The ZKB104 can be programmed to include preambles, epilogues, and termination strings. It also supports data editing operations such as insertion, extraction, filtering, and case conversion.

- **Using the Adjustable Stand:**

The included stand allows for seamless transition between handheld and hands-free scanning modes. Simply place the scanner in the stand for automatic scanning, or pick it up for manual operation.

CONTROL Y RÁPIDA RESPUESTA



Figure 4.1: The ZKB104 scanner is suitable for a wide range of applications, including retail stores, warehouses, package handling, and mini-supermarkets, providing quick and responsive control.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your ZKTeco ZKB104 barcode scanner.

- **Cleaning:**

Regularly clean the scanning window with a soft, lint-free cloth. For stubborn smudges, a slightly damp cloth with mild, non-abrasive cleaner can be used. Ensure no liquid enters the device.

- **Durability:**

The scanner is constructed from high-quality ABS plastic, ensuring a long service life. Key areas are protected with anti-shock rubber to resist external pressure and reduce damage from accidental drops, enhancing safety and security. The button life is rated up to 50,000,000 presses.

- **Storage:**

Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures when not in use.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your ZKB104 barcode scanner.

Problem	Possible Cause	Solution
Scanner does not power on.	Not properly connected or battery is depleted.	Ensure the USB cable is securely connected to both the scanner and the computer. If wireless, ensure the battery is charged.
Scanner does not read barcodes.	Barcode type not supported, barcode damaged, or incorrect scanning angle.	• Verify the barcode is a 1D type. This scanner does not read 2D barcodes (e.g., QR codes). • Ensure the barcode is not severely damaged, blurred, or excessively reflective. • Adjust the scanning angle and distance. Try different orientations. • Ensure the scanner's window is clean and free of obstructions.
Slow or inconsistent scanning.	Barcode quality, lighting conditions, or scanning technique.	• Ensure the barcode is flat and well-lit. • Practice scanning to find the optimal distance and angle for different barcode sizes. • Clean the scanning window.
Scanned data is incorrect or incomplete.	Incorrect keyboard layout setting or data formatting.	• Check your computer's keyboard language settings. • Refer to the advanced programming guide (if available from ZKTeco) for configuring preambles, epilogues, or data editing functions.

7. SPECIFICATIONS

Feature	Detail
Model Number	ZKB104
Scanning Technology	CCD
Supported Barcodes	1D barcodes (e.g., CODE128, UPC/EAN Add on 2 or 5, Codabar, Code 128, UPC, EAN)
Connectivity	USB Cable (Wired)
Power Source	Battery
Compatible Devices	Desktop computer, Laptop
Dimensions (L x W x H)	40.61 x 22.83 x 2.54 cm (approx. 16 x 9 x 1 inches)
Weight	18.14 g (approx. 0.64 oz)
Scanning Angle	Inclination 45°, Elevation 60°
Button Life	Up to 50,000,000 times
Material	High-quality ABS plastic with anti-shock rubber protection

8. WARRANTY AND SUPPORT

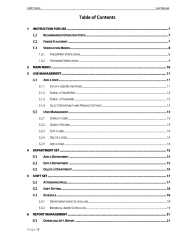
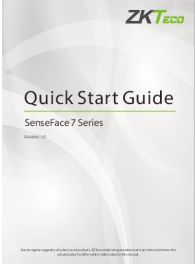
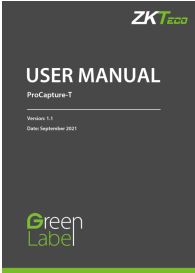
Warranty Information: Specific warranty details for the ZKTeco ZKB104 are not provided within this document. Please refer to the product packaging, the official ZKTeco website, or your point of purchase for detailed warranty terms and conditions. A 30-day free return policy may apply depending on the retailer.

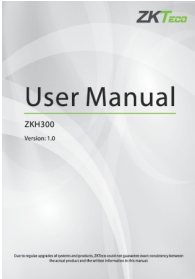
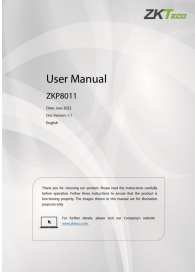
Customer Support: For technical assistance, troubleshooting beyond this guide, or inquiries regarding your ZKTeco ZKB104 barcode scanner, please contact ZKTeco customer support directly. You can find more information and contact details on the official ZKTeco website or their Amazon Brand Store: [ZKTeco Official Store](#).

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This manual is for informational purposes only. Specifications are subject to change without notice.

Related Documents - ZKB104

	LX&TE Series Self-Service Attendance Terminal User Manual Comprehensive user manual for the ZKTeco LX&TE Series self-service attendance terminal, covering setup, user management, shift scheduling, reporting, system settings, and troubleshooting.
	Horus H1 User Manual - ZKTeco User manual for the ZKTeco Horus H1 handheld mobile time attendance terminal, covering setup, operation, maintenance, product specifications, and troubleshooting.
	ZKTeco SenseFace 7 Series Quick Start Guide This guide provides essential information for the installation, configuration, and operation of the ZKTeco SenseFace 7 Series biometric access control devices, including SenseFace 7A, 7B, and 7C models.
	ProCapture-T User Manual - ZKTeco Access Control Comprehensive user manual for the ZKTeco ProCapture-T access control terminal, detailing setup, operation, verification modes, system settings, and troubleshooting.

	ZKTeco ZKH300 User Manual: POS Terminal Guide Comprehensive user manual for the ZKTeco ZKH300 handheld POS terminal, covering packing list, appearance, quick entry, operation, battery care, and contact information.
	ZKTeco ZKP8011 80mm Thermal Printer User Manual This user manual provides detailed information on the ZKTeco ZKP8011 80mm thermal printer, covering its features, specifications, installation, operation, maintenance, and troubleshooting.

Documents - ZKTeco – ZKB104



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ZKB104 1D CCD Wireless Barcode Scanner**ZKB104** is a wireless industrial hand-held one-dimensional gun-type barcode scanner with good reading performance. It can easily read barcodes on different mediums such as paper, commodity, screen, etc. The product adopts enhanced wireless 2.4G transmission tech...

lang:en score:35 filesize: 309.58 K page_count: 2 document date: 2020-11-03



[pdf] Specifications Datasheet Dimension Guide

ZKB104S Datasheet 20230228 zkteco me file 2519 |||

ZKB104S 1D Wireless CCD Barcode Scanner 2.4G 1D Product Code Electronic Screen 2.4GHz ISM Fast Reading Accurate Code Reading Features Quickly read all common 1D barcodes; Compatible with various LCD and OLED mobile phone screen codes and paper product codes; Accurate identification when ...

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ZKP104 105 Esc  ner de c  digo barras 1D ZKTeco Colombia Con una capacidad escaneo agresiva y un amplio rango trabajo los ZKB104 ZKB105 capturan datos con precisi  n y ZKB104105 zktecocolombia 2022 10 |||

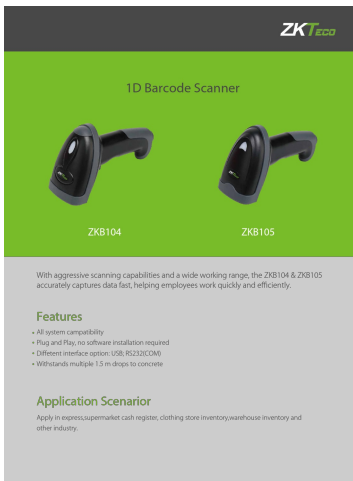
Escner de cdigo de barras 1D **ZKB104** ZKB105 Con una capacidad de escaneo agresiva y un amplio rango de trabajo, los **ZKB104** y ZKB105 capturan datos con precisin y rapidez, lo que ayuda a los empleados a trabajar con rapidez y eficacia. Caractersticas Compatibilidad con todo el sistema Plug Play, ...
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ZKP104 105 1D Barcode Scanner With aggressive scanning capabilities and a wide working range the ZKB104 ZKB105 accurately captures data fast helping employees work quickly e  ciently ZKB104ZKB105 zkteco me file 1421 |||

1D Barcode Scanner **ZKB104** ZKB105 With aggressive scanning capabilities and a wide working range, the **ZKB104** ZKB105 accurately captures data fast, helping employees work quickly and e  ciently. Features All system compatibility Plug and Play, no software installation required Di etent interface o...
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1D Barcode Scanner **ZKB104** ZKB105 With aggressive scanning capabilities and a wide working range, the **ZKB104** ZKB105 accurately captures data fast, helping employees work quickly and e  ciently. Features All system compatibility Plug and Play, no software installation required Di etent interface o...
lang:en score:31 filesize: 151.52 K page_count: 2 document date: 2018-09-10

[\[pdf\]](#) User Manual Quick Start Guide Guide

ZK 6A Wireless Barcode Scanner QSG v1 7 20230214 90  140mm ZKB202S User Manual 20230228ZKB202S 20230228zkteco me file 2516zkteco 2516 ZKB104SZKB202S 20230228ZKB104S 2516new website s3 ap southeast 1 amazonaws files 20230511 ZKB104S 20230228 ||| ||| Quick Start Guide Wireless Barcode Scanner 6A Version: 1.7 Due to the regular upgrades of systems and products, ZKTeco could not guarantee exact consistency between the actual product and the written information in this manual. Setting Code

Quick Start Guide Wireless Barcode Scanner 6A Version: 1.7 Due to the regular upgrades of systems and products, ZKTeco could not guarantee exact consistency between the actual product and the written information in this manual. Setting Code The code scanner can set the appropriate function by rea...
lang:en score:30 filesize: 1.45 M page_count: 2 document date: 2023-02-21





[\[pdf\]](#) Specifications Datasheet Dimension Guide

ZKB104SZKB104S Datasheet 20230228new website file s3 ap southeast 1 amazonaws files 20230511 ZKB104S 20230228 zkteco me1D Wireless CCD Barcode Scanner 2 4G Electronic Screen Code Page Physical Parameters Dimensions L*W*H 167 3*70 5*81 5 mm Weight 165g Voltage ZKB104S 20230228ZKB104S 20230228zkteco me 2519new ||| ||| ZKB104S 1D Wireless CCD Barcode Scanner 2.4G 1D Product Code Electronic Screen 2.4GHz ISM Fast Reading Accurate Code Reading Features Quickly read all common 1D barcodes; Compatible with various LCD and OLED mobile phone screen codes and pa

ZKB104S 1D Wireless CCD Barcode Scanner 2.4G 1D Product Code Electronic Screen 2.4GHz ISM Fast Reading Accurate Code Reading Features Quickly read all common 1D barcodes; Compatible with various LCD and OLED mobile phone screen codes and paper product codes; Accurate identification when ...

lang:en **score:28** filesize: 871.11 K page_count: 2 document date: 2023-03-17

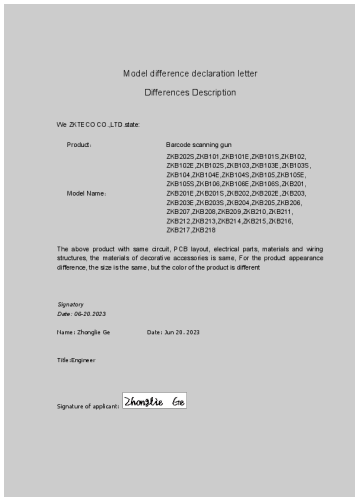


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1D Barcode Scanner **ZKB104** ZKB105 With aggressive scanning capabilities and a wide working range, the **ZKB104** ZKB105 accurately captures data fast, helping employees work quickly and efficiently. Features All system compatibility Plug and Play, no software installation required Different interface o...

lang:en **score:26** filesize: 134.3 K page_count: 2 document date: 2018-06-29



[\[pdf\]](#) Declaration of Conformity Accessories

Differences Description simple Family declaration ZKTECO CO LTD ZKB202S Barcode scanning gun 2AJ9T 2AJ9TZKB202S zkb202s

Model difference declaration letter Differences Description We ZKTECO CO.,LTD.state: Product Model Name Barcode scanning gun ZKB202S,ZKB101,ZKB101E,ZKB101S,ZKB102, ZKB102E,ZKB102S,ZKB103,ZKB103E,ZKB103S, **ZKB104,ZKB104E,ZKB104S,ZKB105,ZKB105E,** ZKB105S,ZKB106,ZKB106E,ZKB106S,ZKB201, ZKB201E,ZKB201S...

lang:en **score:24** filesize: 116.18 K page_count: 1 document date: 2023-06-29

Letter of Authorization

ZKTECO CO.,LTD.
Company: BZKTECO CO.,LTD.
Address:No. 32, Pingshan Industrial Avenue,Tangxia Town,Dongguan City

Product Name: Barcode scanning gun
Model Number: ZKB202S
ZKB101,ZKB101E,ZKB101S,ZKB102,ZKB102E,ZKB102S,
ZKB103,ZKB103E,ZKB103S,ZKB104,ZKB104E,ZKB104S,
ZKB105,ZKB105E,ZKB105S,ZKB106,ZKB106E,ZKB106S,
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ZKB203,ZKB203E,ZKB203S,ZKB204,ZKB204E,ZKB204S,
ZKB206,ZKB206E,ZKB206S,ZKB211,ZKB211E,ZKB211S,ZKB213,
ZKB214,ZKB214E,ZKB214S,ZKB217,ZKB217S

FCC Identifier: 2AJ9T-ZKB202S

We authorize LG&I Technological Center S.A., Ronda de la Font del Carme, s/n, 08159 Bellaterra, Spain, to act on our behalf on all matters concerning the above named equipment.

Any individual within LG&I Technological Center S.A. is authorized to act on our behalf and take action on the application.

We declare that authorize LG&I Technological Center S.A., Ronda de la Font del Carme, s/n, 08159 Bellaterra, Spain, is allowed to forward all information related to the approval project to the Federal Communication Commission and to discuss any issues concerning the approval application. Any and all acts carried out by LG&I Technological Center S.A. on our behalf shall have the same effect as acts of our own.

Name: Zhongjie Ge Date: 2023.06.29

Title: Engineer

Signature of applicant:

[\[pdf\]](#)

Adria Galin Pons Letter Authorization ZKTECO CO LTD ZKB202S Barcode scanning gun 2AJ9T

2AJ9TZKB202S zkb202s

C5266091_X8_Ed.1 Letter of Authorization ZKTECO CO.,LTD. Company: BZKTECO

CO.,LTD. Address:No. 32, Pingshan Industrial Avenue,Tangxia Town,Dongguan City

Product Name: Barcode scanning gun Model Number: ZKB202S,

ZKB101,ZKB101E,ZKB101S,ZKB102,ZKB102E,ZKB102S,

ZKB103,ZKB103E,ZKB103S,**ZKB104,ZKB104E,ZKB1...**lang:en **score:24** filesize: 58.21 K page_count: 1 document date: 2023-06-29

FCC Test Report

Report No: FCS202303057W01

Issued for

Applicant:	ZKTECO CO.,LTD.
Address:	No. 32, Pingshan Industrial Avenue, Tangxia Town, Dongguan City
Product Name:	Barcode scanning gun
Brand Name:	N/A
Model Name:	ZKB202S
Series Model:	ZKB101,ZKB101E,ZKB101S,ZKB102,ZKB102E,ZKB102S, ZKB103,ZKB103E,ZKB103S,ZKB104,ZKB104E,ZKB104S, ZKB105,ZKB105E,ZKB105S,ZKB106,ZKB106E,ZKB106S, ZKB201,ZKB201E,ZKB201S,ZKB202,ZKB202E,ZKB202S, ZKB203,ZKB203E,ZKB203S,ZKB204,ZKB204E,ZKB204S, ZKB206,ZKB206E,ZKB206S,ZKB211,ZKB211E,ZKB211S, ZKB213,ZKB214,ZKB214E,ZKB214S,ZKB217,ZKB217S
FCC ID:	2AJ9T-ZKB202S
Issued By: Fair Compliance Service Laboratory Add: Room 105 Floor 5th Nanhai Technology Building 1 No.15 Dongyue West Road Hi-Tech Industrial Zone Dongguan City Guangdong Tel: 769-27288861 Fax: 769-27288861 E-Mail: fcs@fcs-lab.com	

[\[pdf\]](#) Test Report

Measurement Report Kent Test reports ZKTECO CO LTD ZKB202S Barcode scanning gun 2AJ9T

2AJ9TZKB202S zkb202s

FCC Test Report Report No: FCS202303057W01 Issued for Applicant: Address:

Product Name: ZKTECO CO. ... ame: ZKB202S Series Model:

ZKB101,ZKB101E,ZKB101S,ZKB102,ZKB102E,ZKB102S,

ZKB103,ZKB103E,ZKB103S,**ZKB104,ZKB104E,ZKB104S,**

ZKB105,ZKB105E,ZKB105S,ZKB106,ZKB106E,ZKB106S,

ZKB201,ZKB201E,ZKB201S,ZKB202...

lang:en **score:19** filesize: 2 M page_count: 30 document date: 2023-07-03

FCC Test Report

Report No: FCS202303057W02

Issued for

Applicant:	ZKTECO CO.,LTD.
Address:	No. 32, Pingshan Industrial Avenue, Tangxia Town, Dongguan City
Product Name:	Barcode scanning gun
Brand Name:	N/A
Model Name:	ZKB202S
Series Model:	ZKB101,ZKB101E,ZKB101S,ZKB102,ZKB102E,ZKB102S, ZKB103,ZKB103E,ZKB103S,ZKB104,ZKB104E,ZKB104S, ZKB105,ZKB105E,ZKB105S,ZKB106,ZKB106E,ZKB106S, ZKB201,ZKB201E,ZKB201S,ZKB202,ZKB202E,ZKB202S, ZKB203,ZKB203E,ZKB203S,ZKB204,ZKB204E,ZKB204S, ZKB206,ZKB206E,ZKB206S,ZKB211,ZKB211E,ZKB211S, ZKB213,ZKB214,ZKB214E,ZKB214S,ZKB217,ZKB217S
FCC ID:	2AJ9T-ZKB202S
Issued By: Fair Compliance Service Laboratory Add: Room 105 Floor 5th Nanhai Technology Building 1 No.15 Dongyue West Road Hi-Tech Industrial Zone Dongguan City Guangdong Tel: 769-27288861 Fax: 769-27288861 E-Mail: fcs@fcs-lab.com	

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Measurement Report Kent Test reports ZKTECO CO LTD ZKB202S Barcode scanning gun 2AJ9T

2AJ9TZKB202S zkb202s

FCC Test Report Report No: FCS202303057W02 Issued for Applicant: Address:

Product Name: ZKTECO CO. ... ame: ZKB202S Series Model:

ZKB101,ZKB101E,ZKB101S,ZKB102,ZKB102E,ZKB102S,

ZKB103,ZKB103E,ZKB103S,**ZKB104,ZKB104E,ZKB104S,**

ZKB105,ZKB105E,ZKB105S,ZKB106,ZKB106E,ZKB106S,

ZKB201,ZKB201E,ZKB201S,ZKB202...

lang:en **score:19** filesize: 3.4 M page_count: 39 document date: 2023-06-29



[Каталог продукции ZKTeco: Биометрическая идентификация и компьютерное зрение](#)

Обширный каталог продукции ZKTeco, охватывающий передовые решения в области биометрической идентификации, контроля доступа, видеонаблюдения, умных технологий и компьютерного зрения. Откройте для себя инновационные продукты для безопасности и автоматизации.

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CATLOGO DE PRODUCTOS 1 CONTENIDO Soluciones Industriales 07 Hoteles 08 Construccin 12 In ... Impresora de alta velocidad Ultra delgada, ligera y sencilla de sostener Bajo consumo de energia **ZKB104** / ZKB106 Lector de Cdigo de Barras Escner de cdigo de barras 1D Conexin USB almbrico Lecto...

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