

ASHATA 1D/2D Barcode Scanner Platform

ASHATA Hands-Free USB Wired 1D/2D Barcode Scanner User Manual

Model: 1D/2D Barcode Scanner Platform

1. INTRODUCTION

The ASHATA Hands-Free USB Wired 1D/2D Barcode Scanner is a high-performance desktop scanning platform designed for efficient and accurate barcode reading. It features advanced decoding technology, soft LED illumination, and multiple feedback methods for an enhanced user experience. Its robust design ensures durability in various environments.

This scanner is capable of reading both 1D and 2D/QR barcodes from labels, paper, and digital displays, including damaged or distorted codes. Its omnidirectional design allows for hands-free operation, making it ideal for supermarkets, retail stores, warehouses, and POS systems.

2. PACKAGE CONTENTS

- 1 x ASHATA Barcode Scanning Platform
- 1 x User Manual

3. SETUP

The ASHATA Barcode Scanner is designed for simple plug-and-play operation, requiring no additional driver installation.

1. **Unpack the Scanner:** Carefully remove the barcode scanning platform and user manual from the packaging.
2. **Connect to Device:** Insert the USB data cable from the barcode scanner into an available USB port on your computer or POS system.
3. **System Recognition:** The operating system will automatically detect and install the necessary drivers. This process may take a few moments.

4. **Placement:** Place the scanner on a stable, flat surface. The anti-slip base ensures stability during operation.

Multi-System Compatibility, Plug And Play

USB data cable, plug to use

No driver required, convenient and fast



Figure 3.1: The ASHATA Barcode Scanner connected to a POS system, demonstrating multi-system compatibility and plug-and-play functionality.

4. OPERATING INSTRUCTIONS

The scanner offers hands-free, omnidirectional scanning for various barcode types.

4.1 Scanning Barcodes

Simply present the barcode to the scanner's window. The scanner will automatically detect and decode the barcode. A buzzer sound and LED indicator lights will provide feedback upon successful scanning.

No Hands Need, Easy Bar Code Scanning

Fast Recognition

Universal scanning,
recognizes multiple mainstream bar codes



Figure 4.1: Hands-free scanning of a barcode displayed on a mobile phone, highlighting fast recognition of multiple mainstream barcodes.

4.2 Intelligent Sensing

The scanner features an intelligent sensing mode:

- **Automatic Sleep Mode:** Upon inactivity, the scanner enters an automatic sleep mode to conserve power.
- **Smart Wake-up:** The scanner automatically wakes up and becomes active when a barcode is presented for scanning.

Intelligent Sensing Code Scanning

Automatic sleep mode upon inactivity, saving power and providing peace of mind. Smart wake-up upon scanning



Figure 4.2: Illustration of the intelligent sensing feature, showing automatic sleep mode upon inactivity and smart wake-up upon scanning.

4.3 Applicable Scenarios

This scanner is suitable for a wide range of applications, including:

- Supermarkets
- Shopping Malls
- Cosmetic Stores
- Retail Industry
- Banks
- Warehouses
- Bookstores
- POS Systems



Applicable To Multiple Scenarios

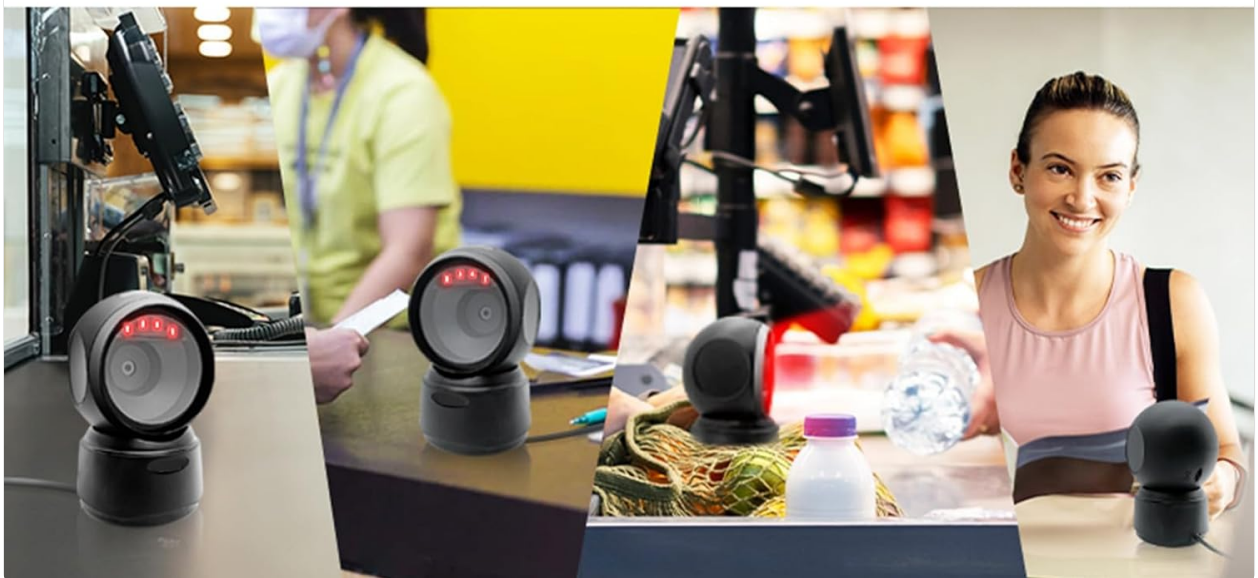


Figure 4.3: The ASHATA Barcode Scanner being used in multiple scenarios, including retail checkout, warehouse inventory, and a pharmacy setting.

5. MAINTENANCE

To ensure optimal performance and longevity of your ASHATA Barcode Scanner, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the scanner's window and exterior with a soft, dry, lint-free cloth. Avoid using abrasive cleaners, solvents, or excessive moisture, as these can damage the device.
- **Handling:** Although the scanner has a sturdy ABS structure and is IP42 rated, capable of withstanding drops from heights up to 1.5 meters, handle it with care to prevent unnecessary impact.
- **Storage:** Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Cable Care:** Avoid bending or twisting the USB cable excessively to prevent internal damage.

6. TROUBLESHOOTING

If you encounter issues with your ASHATA Barcode Scanner, please refer to the following common

troubleshooting steps:

- **Scanner Not Responding:**
 - Ensure the USB cable is securely connected to both the scanner and the host device.
 - Try connecting the scanner to a different USB port on your device.
 - Restart your computer or POS system.
- **Unable to Read Barcodes:**
 - Ensure the barcode is clean, undamaged, and clearly visible.
 - Verify that the barcode is within the scanner's reading depth of field.
 - Check if the scanner's window is clean and free from obstructions.
 - Confirm that the barcode type is supported by the scanner (refer to Specifications).
- **No Feedback (Buzzer/LED):**
 - If the scanner is in sleep mode, present a barcode to wake it up.
 - Ensure the scanner is properly connected and powered.

If these steps do not resolve the issue, please contact customer support for further assistance.

7. SPECIFICATIONS

Item Type	1D/2D Barcode Scanner Platform
Light Source Type	625nm LED Supplementary Light
Scanning Principle	Image CMOS
Trigger Mode	Induction Mode / Continuous Mode / Instruction Mode
Scanning Angle	Tilt Angle 65°, Rotate Angle 360°, Skew Angle 75°
Scanning Accuracy	>4.5mil
Reading Depth of Field	5mil (Code39): 2cm-13cm UPC-13mil: 2cm-28cm 20mil (Code39): 2cm-35cm 20mil QR Code: 2cm-24cm
Cable Length	1.5m / 4.92ft
Product Size	13.6 x 8.3 x 8 cm / 5.35 x 3.27 x 3.15 in
Product Weight	224g / 7.9oz
Connectivity	USB, RS232
Durability	IP42 rated, withstands drops up to 1.5 meters
Supported Decoding Capabilities	QRCode, PDF417, MaxiCode, Aztec, DataMatrix(ECC200), Micro QR, Hanxin Code, Micro PDF417, EAN13, EAN8, UPC-A, UPC-E, Code128, Code39, Code93, CodaBar, Interleaved 2 of 5, Industrial 25, Codel1MSIPlessey, Standard 2 of 5, Plessey, ChinaPost 25, etc.

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact ASHATA customer service through your retailer. Keep your purchase receipt for warranty claims.