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> ASHATA Desktop Barcode Scanner Instruction Manual ASHATArb1v6qyugs619-11

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ASHATA Desktop Barcode Scanner Instruction Manual

Model: ASHATArb1v6qyugs619-11

1. INTRODUCTION AND OVERVIEW

The ASHATA Desktop Barcode Scanner is a versatile device designed for efficient scanning of 1D and 2D barcodes, including QR codes. It features 360° scanning capability and CMOS image processing technology, making it suitable for various applications such as retail point-of-sale and mobile payment systems. This manual provides essential information for setting up, operating, and maintaining your scanner.

2. PRODUCT FEATURES

- **Modular Design:** Integrated design for ease of use and simple operation.
- **Strong Decoding Ability:** Capable of reading various barcode information from mobile phone screens, LCDs, paper, and plastic cards. Supports incomplete, damaged, or degraded barcodes.
- **Fully Automatic Scanning:** Features automatic induction, allowing the device to activate and deactivate based on object detection.
- **User-Friendly Interaction:** Designed for convenient human-computer interaction during scanning.
- **CMOS Image Processing Technology:** Enables 360° scanning of barcodes and QR codes, including mobile payment codes like WeChat.
- **Large Scanning Window:** Provides a wide field of view for efficient scanning.
- **Automatic Sleep & Wake-Up:** Utilizes an infrared auto-sensing sensor for intelligent power management.
- **Plug and Play:** No software or application installation required for basic operation.
- **Secondary Development:** Capabilities for integration with third-party software.



Figure 2.1: Key features of the ASHATA Desktop Barcode Scanner.

3. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1 x ASHATA Desktop Barcode Scanner
- 1 x USB Cable
- 1 x User Manual (This document)

4. SETUP

The ASHATA Desktop Barcode Scanner is designed for plug-and-play operation, requiring minimal setup.

1. **Connect the Scanner:** Connect the scanner to your computer or compatible device using the provided USB cable.
2. **Driver Installation:** The device will typically install necessary drivers automatically upon connection. No additional software or application installation is usually required.
3. **Ready for Use:** The scanner is ready for operation once successfully connected and recognized by your system.

Hands-free Automatic Scanner

This scanner has strong decoding ability. With this single device, all common barcodes (1D, 2D) can be electronically recorded easily and precisely or printed on paper labels or plastic cards



Figure 4.1: Connecting the ASHATA Desktop Barcode Scanner.

5. OPERATING INSTRUCTIONS

The scanner operates with automatic induction for efficient and hands-free scanning.

1. **Position Barcode:** Place the barcode or QR code within the scanning window. The scanner's large window and 360° scanning angle allow for flexible positioning.
2. **Automatic Scanning:** The scanner will automatically detect the item and initiate the scanning process using its infrared auto-sensing sensor.
3. **Confirmation:** A buzzer sound and an LED indicator will confirm a successful decode.
4. **Data Transmission:** The decoded information will be transmitted to the connected device (e.g., computer, POS system).
5. **Automatic Sleep/Wake-Up:** The device will automatically enter sleep mode when inactive and wake up instantly when an item is presented for scanning, optimizing power consumption.

Large scanning window

Can quickly and easily scan all kinds of printed barcodes



Figure 5.1: Scanning a QR code with the large scanning window.

Mobile Payment Cash Register

Applicable to offline retail industries such as supermarkets, convenience stores, restaurants, clothing stores, pharmacies, etc



Figure 5.2: Application in a mobile payment cash register setting.

Automatically Sleep & Wake Up

More intelligent with infrared auto-sensing sensor.



Figure 5.3: Automatic sleep and wake-up functionality.

6. MAINTENANCE

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

- **Cleaning the Scanning Window:** Regularly clean the scanning window to prevent dust, dirt, or smudges from affecting scanning accuracy. Use a soft, dry, lint-free cloth. Avoid abrasive materials or harsh chemical cleaners.
- **Physical Protection:** Place the scanner on a stable surface to prevent accidental drops or impacts. Protect it from extreme temperatures and humidity.
- **Storage:** When not in use for extended periods, store the scanner in a cool, dry environment.

7. TROUBLESHOOTING

If you encounter issues with your ASHATA Desktop Barcode Scanner, refer to the following troubleshooting guide:

Scanner Not Responding

- **Check Connection:** Ensure the USB cable is securely connected to both the scanner and the host device.

- **Power Indicator:** Verify that the scanner's LED indicator is lit, indicating it is receiving power.
- **Try Different Port/Device:** Connect the scanner to a different USB port or another computer to rule out port or host device issues.

Unable to Scan Barcodes

- **Barcode Condition:** Ensure the barcode is clean, clear, and not excessively damaged or faded.
- **Positioning:** Adjust the distance and angle of the barcode from the scanning window. The scanner supports 360° scanning, but optimal distance varies by barcode size.
- **Barcode Type:** Confirm that the barcode type (1D or 2D) is supported by the scanner. Refer to the Specifications section for supported types.
- **Lighting:** Ensure adequate lighting conditions. While the scanner can operate in various lighting, extreme glare or darkness can affect performance.
- **Screen Brightness:** If scanning from a screen (e.g., smartphone), ensure the screen brightness is sufficient.

No Buzzer Sound or LED Indicator

- **System Settings:** Check the sound and notification settings on your connected computer or device.
- **Contact Support:** If the issue persists after checking connections and settings, contact customer support for further assistance.

8. SPECIFICATIONS

Feature	Specification
Image Sensor	CMOS
Light Source	620 nm visible red light diode
Trigger Mode	Continuous automatic induction
Resolution	640 x 480
Interface	RS232, USB
Decoding Speed	500 times / second
Minimum Contrast	≥25%
1D Decoding Capability	UPC/EAN, with UPC/EAN complementary, Code128, Code39, Code 39 Full ASCII, Coda bar, Industrial/Interleaved 2 of 5, Code93, Code11, ISBN, ISSN, China post, GS1 Databar, etc.
2D Decoding Capability	PDF417, QR, Aztec, DataMatrix, Maxicode, MicroPDF417, etc.
Depth of Field (Code39, 5MIL)	40-120 mm
Depth of Field (EAN-13, 13MIL)	20-300 mm
Depth of Field (PDF417, 6.8 MIL)	20-150 mm

Feature	Specification
Depth of Field (QR Code, 20 MIL)	15-250 mm
Scanning Angle	Roll 55°, Tilt $\pm 25^\circ$, Skew $\pm 75^\circ$
Operating Voltage	5V
Maximum Current	212 mA
Operating Current	156 mA ~ 212 mA
Standby Current	156mA
Compatible Devices	Computer, Laptop, Smartphone
Power Source	Electric Cable
Manufacturer	ASHATA
Model Number	ASHATArb1v6qyugs619-11
Country of Origin	China

9. WARRANTY AND SUPPORT

This ASHATA product has undergone professional and strict inspection and testing to ensure quality. For any quality-related issues or questions regarding this product, please contact ASHATA customer service. A professional online customer service team is available 24 hours a day to assist you. Contact information can typically be found on the product packaging or the official ASHATA website.