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› ASHATA YHD-6200D Barcode Scanner User Manual

## ASHATA YHD-6200D

# ASHATA YHD-6200D Barcode Scanner User Manual

Handheld Bar Code Scanner Reader

## 1. PRODUCT OVERVIEW

The ASHATA YHD-6200D is a wired 2D barcode scanner designed for efficient and accurate data capture. It features a 32-bit CPU and a 624nm LED light source, making it suitable for various environments such as warehouses, supermarkets, hotels, and department stores. This scanner offers versatile connectivity options, allowing it to be connected to mobile phones, computers, and tablets without requiring an external adapter.

Key features include:

- **Versatile Connectivity:** Connects to mobile phones, computers, and tablets.
- **Ease of Use:** No external adapter required, ensuring simple setup and operation.
- **Powerful Decoding:** Capable of reading various 1D and 2D barcodes quickly and accurately.
- **Multiple Trigger Modes:** Supports handheld, continuous, and automatic induction scanning.
- **Durable Design:** Built to strict quality control standards for reliable performance.

## 2. PACKAGE CONTENTS

Upon opening the package, please verify that all items are present and in good condition:

- 1 x ASHATA YHD-6200D Barcode Reader
- 1 x USB Cable
- 1 x User Manual (this document)

## 3. SETUP GUIDE

### 3.1 Connecting the Scanner

The ASHATA YHD-6200D barcode scanner is a plug-and-play device. Follow these steps to connect it to your host device:

1. Locate the USB cable provided in the package.

2. Insert the smaller end of the USB cable into the port at the base of the barcode scanner handle.
3. Insert the standard USB-A end of the cable into an available USB port on your computer, laptop, tablet, or other compatible device.
4. The scanner will typically be recognized automatically by your operating system (Windows, macOS, iOS, Android). No additional drivers are usually required.



**Figure 3.1:** The ASHATA YHD-6200D barcode scanner connected via its USB cable. The image shows the scanner unit with its integrated cable, ready for connection to a host device.

# Connected to mobile phones computers & tablets

No external adapter required

Supports various versions for Windows /  
iOS / Android operating systems



**Figure 3.2:** The barcode scanner positioned next to a laptop, illustrating its compact size and readiness for use with computing devices.



**Figure 3.3:** A diagram illustrating the scanner's compatibility with various devices, including mobile phones, tablets, and desktop computers, highlighting its versatile connectivity.

## 4. OPERATING INSTRUCTIONS

### 4.1 Basic Scanning Operation

To scan a barcode, ensure the scanner is connected and powered on (indicated by an LED light or a brief beep upon connection). Hold the scanner with the scanning window facing the barcode.

1. Point the scanning window directly at the barcode you wish to read.
2. Press and hold the trigger button (blue button on the handle). A red scanning line or light will emit from the scanning window.
3. Position the scanner so that the red line or light crosses the entire barcode.
4. Once the barcode is successfully read, the scanner will emit a beep and/or the LED indicator will flash. The decoded data will be transmitted to your connected device as if typed from a keyboard.
5. Release the trigger button.



**Figure 4.1:** Demonstrates the scanner in use, capturing both a traditional barcode on a package and a QR code displayed on a smartphone, showcasing its 2D scanning capability.

## 4.2 Trigger Modes

The YHD-6200D supports multiple trigger modes to suit different operational needs:

- **Handheld Mode:** This is the default mode. Scanning occurs only when the trigger button is pressed.
- **Continuous Mode:** The scanner continuously emits the scanning light, reading barcodes as they pass within its field of view without requiring the trigger button to be pressed for each scan. This mode is useful for high-volume scanning.
- **Automatic Induction Mode:** The scanner remains in a low-power state and activates the scanning light only when a barcode is detected within its scanning range. This mode conserves power and is ideal for hands-free operation

when placed on a stand (stand not included).

Refer to the full user manual (if provided separately) for instructions on how to switch between these trigger modes, typically done by scanning specific configuration barcodes.

## 5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your ASHATA YHD-6200D barcode scanner.

- **Cleaning:** Regularly clean the scanning window with a soft, lint-free cloth. For stubborn smudges, slightly dampen the cloth with water or a mild, non-abrasive cleaner. Do not use harsh chemicals or abrasive materials, as they can scratch the scanning window and impair performance.
- **Storage:** When not in use, store the scanner in a clean, dry environment, away from direct sunlight, extreme temperatures, and excessive dust.
- **Handling:** Avoid dropping the scanner or subjecting it to strong impacts. While built to be durable, excessive force can damage internal components.
- **Cable Care:** Do not bend or twist the USB cable excessively. Avoid pulling the cable to disconnect the scanner; always grasp the plug.

## 6. TROUBLESHOOTING

If you encounter issues with your barcode scanner, please refer to the following common problems and solutions:

| Problem                                                    | Possible Cause                                                                           | Solution                                                                                                                                                                                                            |
|------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scanner does not power on or respond.                      | Loose cable connection; USB port issue; Scanner malfunction.                             | Ensure the USB cable is securely connected to both the scanner and the host device. Try a different USB port on your device. Test the scanner on another computer if possible.                                      |
| Scanner reads barcodes but data does not appear on screen. | Incorrect input focus; Software issue.                                                   | Ensure the cursor is active in a text field (e.g., Notepad, Word document, or a specific application field) where you expect the data to appear. Restart the application or computer.                               |
| Scanner fails to read certain barcodes.                    | Barcode damaged or poorly printed; Incorrect symbology enabled; Scanning distance issue. | Check if the barcode is clear and undamaged. Ensure the scanner supports the specific barcode type (e.g., QR, Data Matrix). Adjust the distance and angle of the scanner to the barcode. Clean the scanning window. |
| Scanner beeps but does not transmit data.                  | Configuration error; Connectivity issue.                                                 | This might indicate a configuration issue. Refer to the full user manual for factory reset or specific configuration barcode scanning. Reconnect the USB cable.                                                     |

If the problem persists after trying these solutions, please contact ASHATA customer support for further assistance.

## 7. SPECIFICATIONS

Detailed technical specifications for the ASHATA YHD-6200D Barcode Reader:

|                                              |                                                                                                                                                   |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>                                 | YHD-6200D                                                                                                                                         |
| <b>CPU</b>                                   | For ARM 32-bit                                                                                                                                    |
| <b>Sensor</b>                                | CMOS 640 x 480                                                                                                                                    |
| <b>Resolution</b>                            | 4 million                                                                                                                                         |
| <b>Light Source</b>                          | 624nm LED                                                                                                                                         |
| <b>Printing Contract</b>                     | ≥25%                                                                                                                                              |
| <b>Material</b>                              | ABS + PC                                                                                                                                          |
| <b>Instructions</b>                          | Buzzer and LED                                                                                                                                    |
| <b>Operating Humidity</b>                    | 5-95% (non-condensing)                                                                                                                            |
| <b>Decoding Speed</b>                        | 500 scans/sec                                                                                                                                     |
| <b>Depth of Field (13mil-EAN13)</b>          | 50-250 mm                                                                                                                                         |
| <b>Depth of Field (4mil-Code39)</b>          | 60-100mm                                                                                                                                          |
| <b>Depth of Field (20mil-Quick Response)</b> | 40-300 mm                                                                                                                                         |
| <b>Depth of Field (10mil-PDF417)</b>         | 40-280 mm                                                                                                                                         |
| <b>1D Decoding Ability</b>                   | UPC-A, UPC-E, EAN-8, EAN-13, Codes 128, Codes 39, Codes 93, Codes 11, Interleaved 2 of 5, for 2 of 5, Standard 2 of 5, Coda bar, for Plessey, GS1 |
| <b>2D Decoding Ability</b>                   | Quick response codes, Datamatrix, PDF417, Aztec codes, Maxicode, etc.                                                                             |
| <b>Trigger Mode</b>                          | Handheld, continuous, automatic induction                                                                                                         |
| <b>Package Dimensions</b>                    | 17 x 10 x 8 cm                                                                                                                                    |
| <b>Item Weight</b>                           | 250 g                                                                                                                                             |
| <b>Manufacturer</b>                          | ASHATA                                                                                                                                            |
| <b>ASIN</b>                                  | B0DXCH4SHN                                                                                                                                        |
| <b>Item Model Number</b>                     | ASHATAe95xi1gapc-11                                                                                                                               |

## 8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official ASHATA website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

**ASHATA Customer Service:** Please refer to the contact information provided with your product packaging or on the official ASHATA website.

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### Question

Example: How do I reset this device or fix this error?

### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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