symcode 1D Laser Blue white

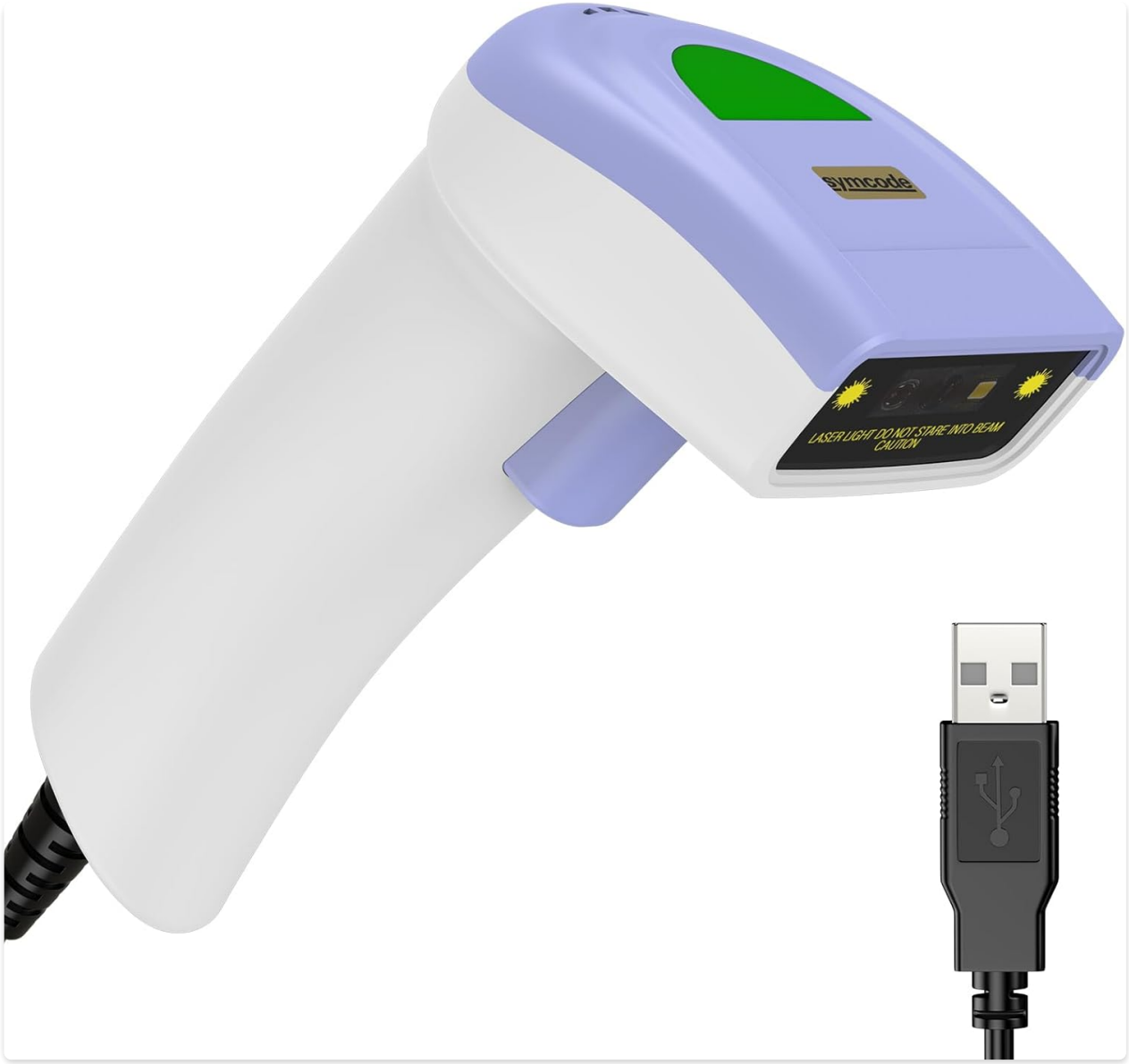
Symcode 1D Barcode Scanner User Manual

Model: 1D Laser Blue white

1. Introduction

Thank you for choosing the Symcode USB 1D Barcode Scanner. This handheld wired CCD laser barcode reader is designed for efficient and accurate scanning of 1D barcodes from both printed materials and digital screens. It is an ideal solution for various applications including warehouses, libraries, supermarkets, and point-of-sale (POS) systems.

This manual provides comprehensive instructions on setting up, operating, and maintaining your scanner to ensure optimal performance and longevity.



Overall view of the Symcode 1D Barcode Scanner with its USB cable.

2. Key Features

- **1D CCD Image Scanning Technology:** Equipped with an advanced CCD sensor for quick and accurate capture of 1D codes from paper and screens, including deformed, smudged, damaged, fuzzy, or reflective barcodes.
- **Versatile Scanning Modes:** Features Key Trigger mode, Auto-induction mode, and Continuous Mode for flexible operation.
- **Durable Construction:** Ergonomic design with high-quality ABS material ensures resistance to drops from 2m high, providing long service life.
- **Extensive 1D Barcode Support:** Compatible with UPC/EAN, UCC/EAN 128, Code 39, Code 93, Code 128, Codabar, Interleaved 2 of 5, Discrete 2 of 5, MSI, Code 11, RSS variants, Chinese 2 of 5, and more.
- **Customizable Output:** Offers 180 configurable options for prefix, suffix, and termination strings.
- **Wide Application Range:** Suitable for use in supermarkets, convenience stores, warehouses, libraries, bookstores, drugstores, and retail shops for various management tasks.

3. Package Contents

Please verify that all items are present in your package:

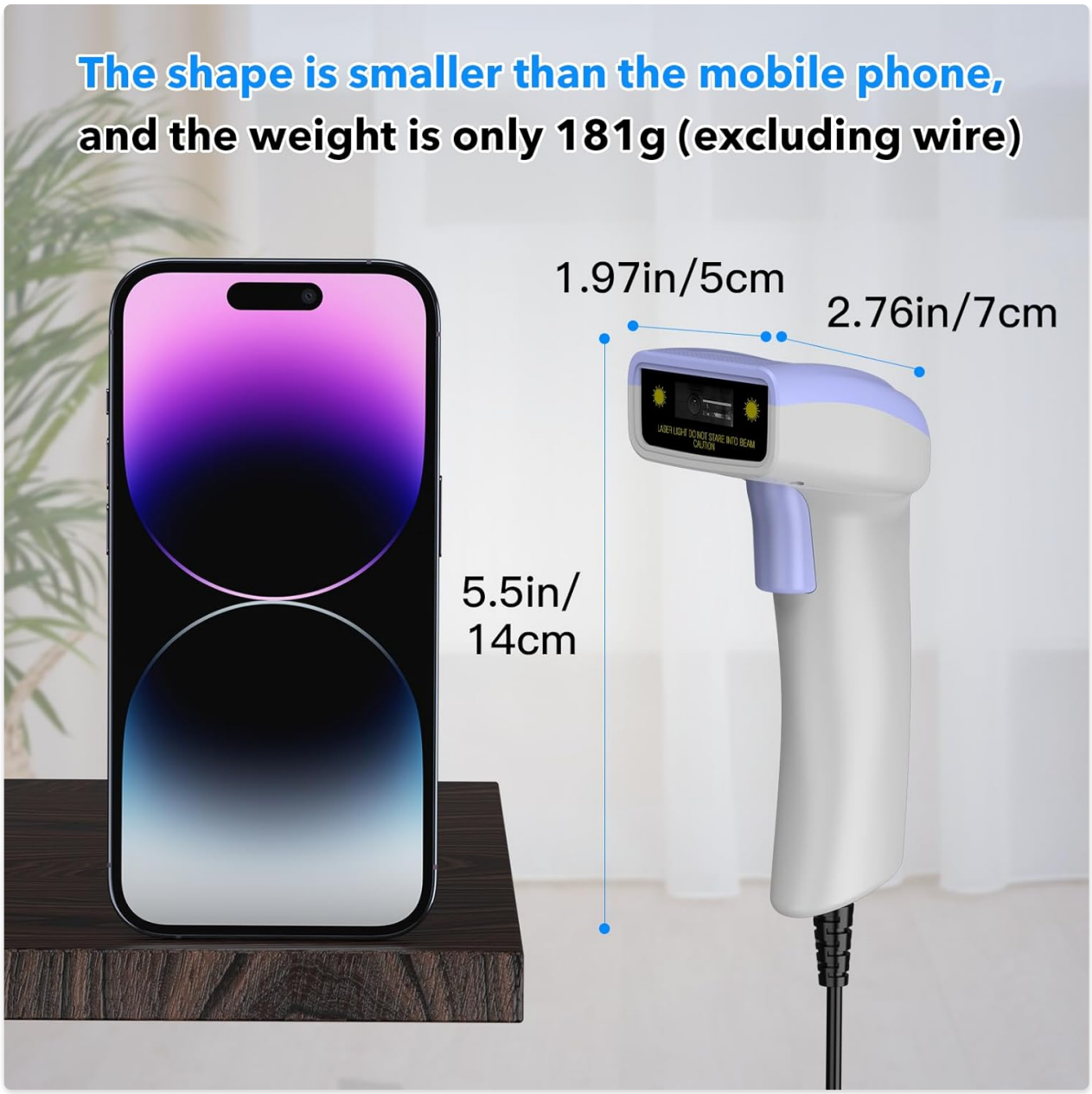
- 1 x Symcode CCD Barcode Scanner
- 1 x User Manual (this document)
- 1 x USB Cable

4. Setup

4.1 Connecting the Scanner

The Symcode 1D Barcode Scanner is a plug-and-play device. No drivers are typically required for most operating systems.

1. Locate an available USB port on your computer (Desktop, Laptop) or compatible device.
2. Insert the USB connector of the scanner's cable into the USB port.
3. The scanner will typically emit a short beep and/or a light indicator will turn on, signifying successful connection and readiness for use.

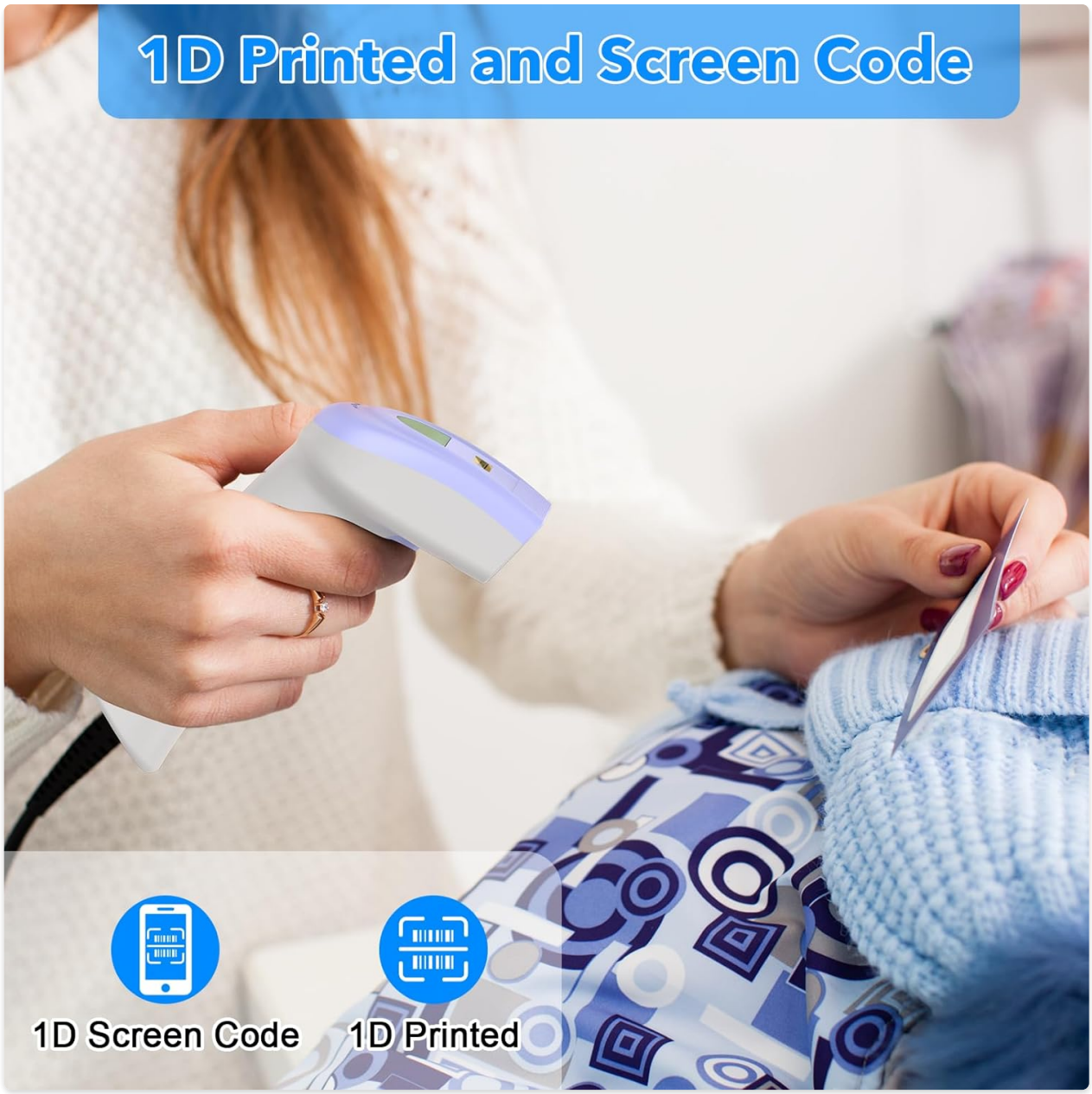


The scanner connects to a laptop via its 1.6m (5.2ft) USB cable, compatible with Linux, Windows, iOS, and Android operating systems.

5. Operating the Scanner

5.1 Basic Scanning

To scan a barcode, point the scanner's laser beam at the barcode you wish to read and press the trigger button (if in Key Trigger mode). The scanner will emit a successful scan beep and the data will be transmitted to your connected device as if typed by a keyboard.



The scanner can read 1D barcodes from both printed labels and digital screens, such as a smartphone display.

5.2 Scanning Modes

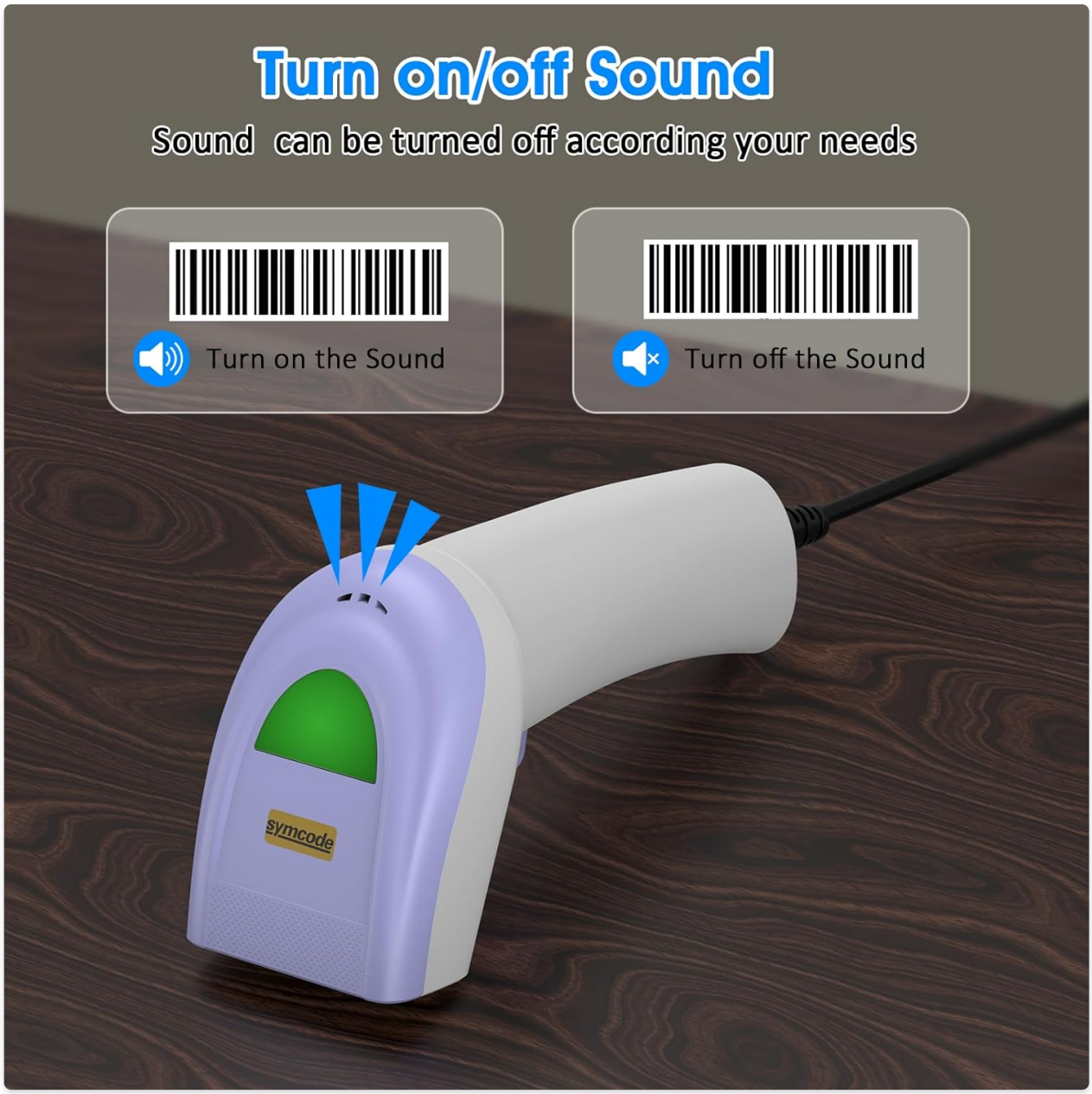
The scanner supports three primary scanning modes:

- **Key Trigger Mode:** Press the trigger to activate the scan. Release to stop.
- **Auto-induction Mode:** The scanner automatically detects a barcode within its field of view and scans it without needing to press the trigger.
- **Continuous Mode:** The scanner continuously emits the laser beam, scanning any barcode that passes through its field.

Refer to the included configuration guide (often a set of barcodes) to switch between these modes. If auto-sensing is inactive, scan the appropriate configuration barcode to enable it.

5.3 Sound Settings

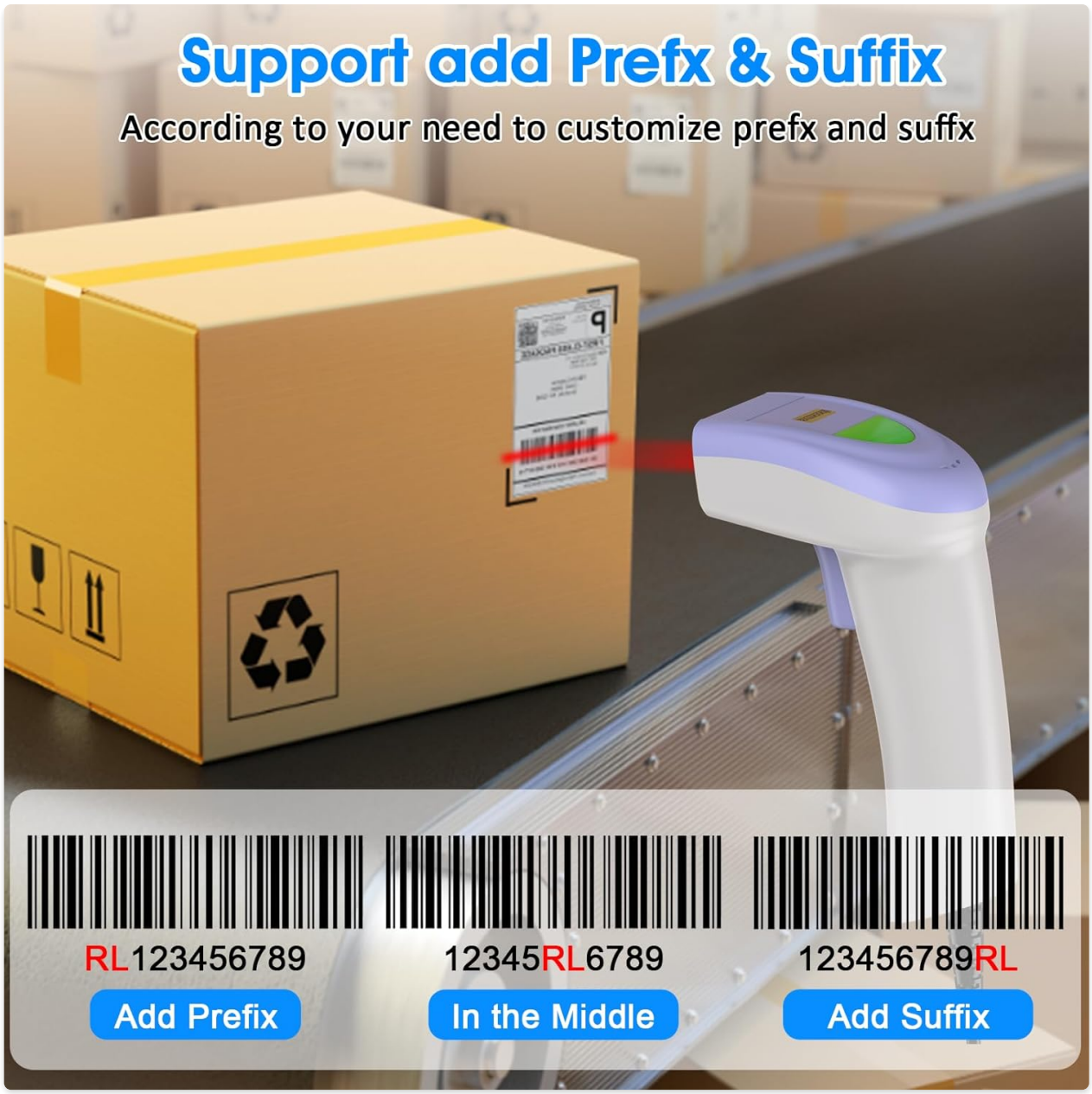
The scanner provides audible feedback for successful scans. You can turn this sound on or off according to your preference by scanning specific configuration barcodes.



Scan specific barcodes to enable or disable the scanner's sound feedback.

5.4 Customizing Data Output (Prefix/Suffix)

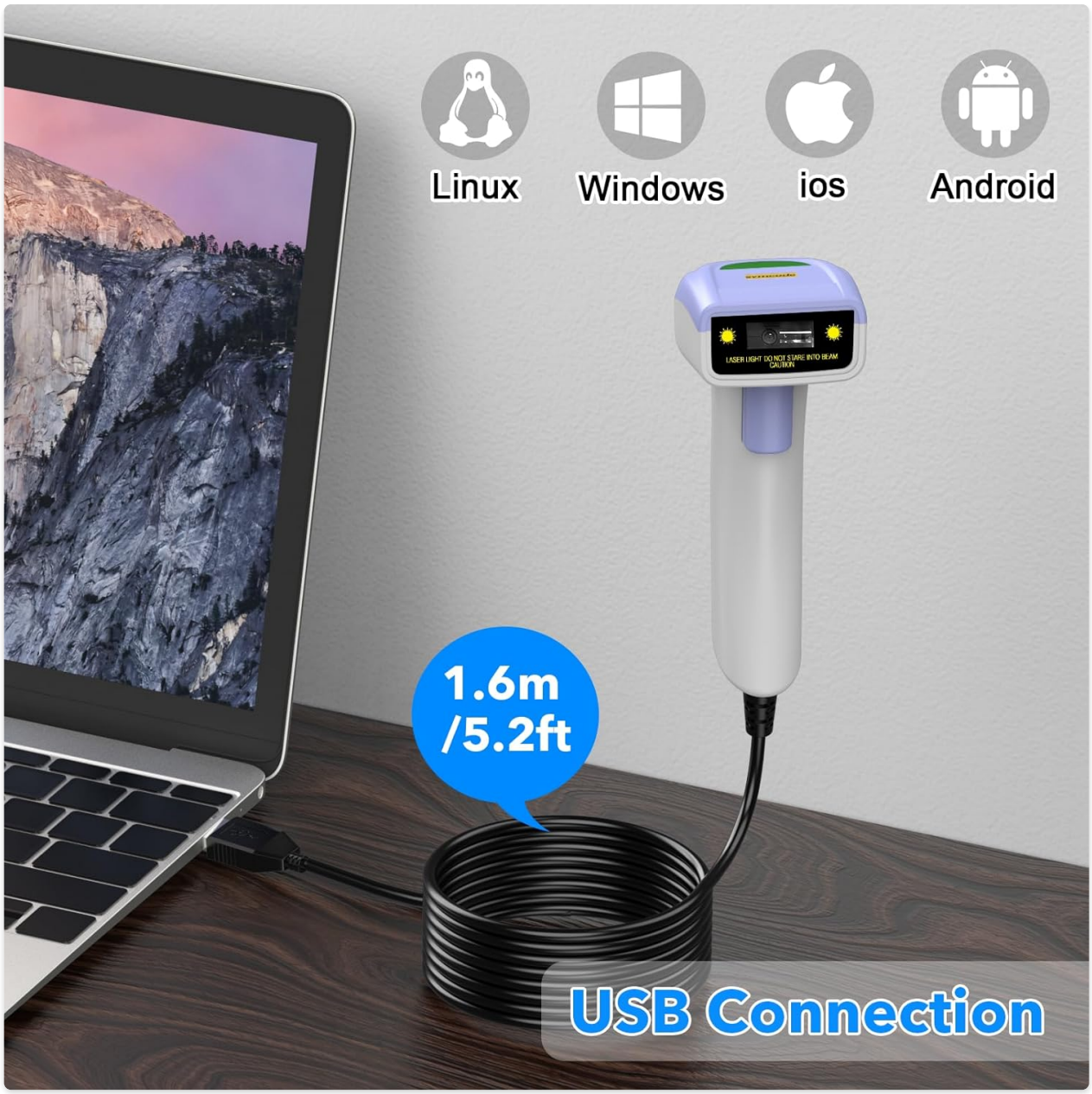
The scanner allows you to add custom prefixes or suffixes to the scanned barcode data. This feature is useful for integrating scanned data into specific software or databases that require additional identifiers.



The scanner can customize scanned data by adding prefixes or suffixes. Examples:RL123456789 (with prefix), 12345RL6789 (with middle text), 123456789RL (with suffix).

5.5 Supported Barcode Types

The Symcode 1D Barcode Scanner has excellent decoding ability for a wide range of common 1D barcodes.



The scanner supports various 1D barcode types, including CODE 128 (1234567890), UPC A (123456789012), Frauded Barcode (1234567890135), Profiled Barcode (4603146002134), Industrial 2 of 5 (987612), ITF, Folded Barcode, and Color Barcode.

6. Maintenance

To ensure the longevity and optimal performance of your barcode scanner, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the scanner's exterior. For the scanning window, use a lens cleaning cloth or a soft cloth lightly dampened with a mild, non-abrasive cleaner. Avoid harsh chemicals or abrasive materials.
- **Storage:** Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** While the scanner is designed to be durable, avoid unnecessary drops or impacts. Do not pull the cable excessively or bend it sharply.

7. Troubleshooting

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

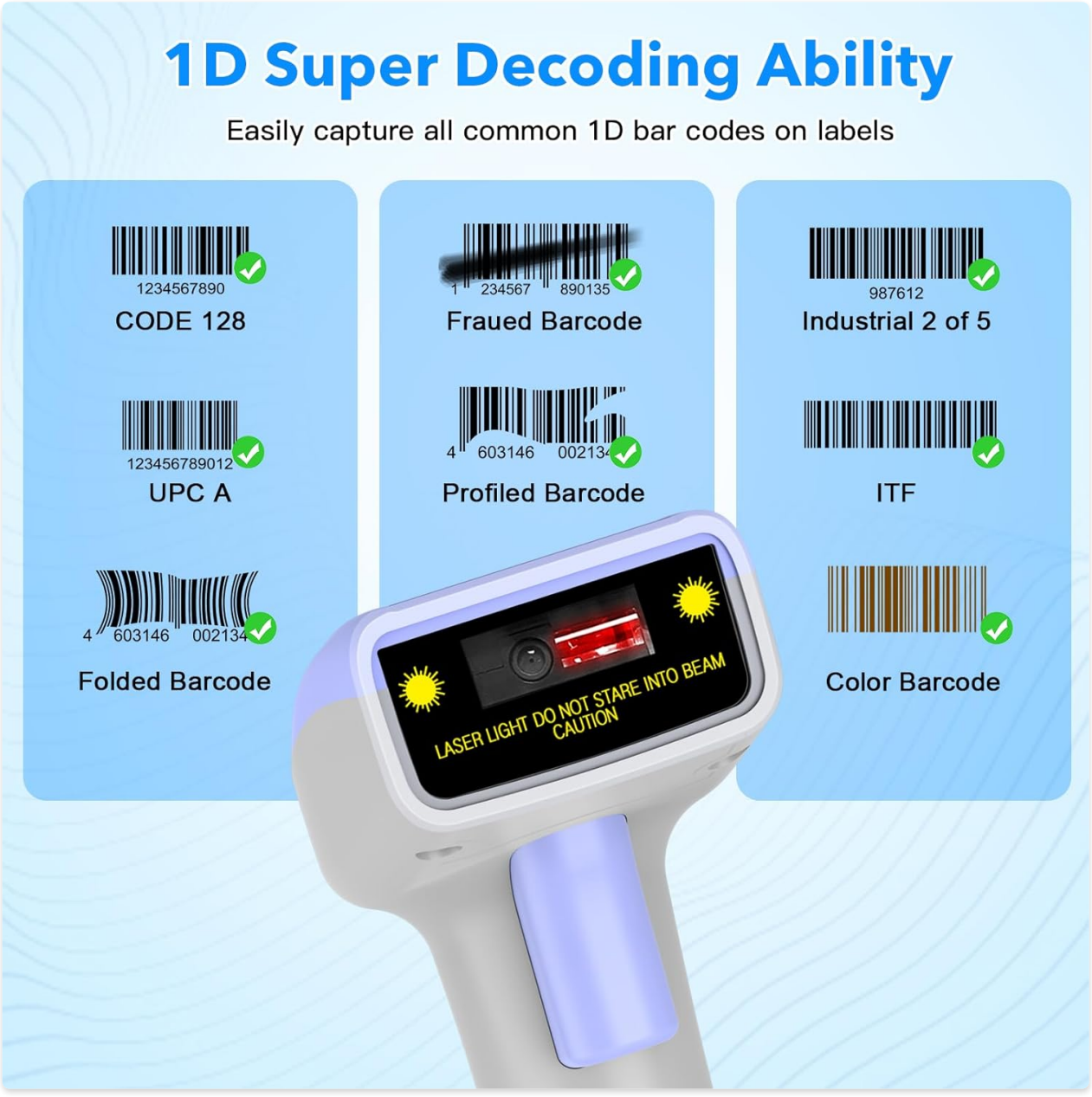
Problem	Possible Cause	Solution
Scanner does not power on or respond.	USB cable not properly connected or faulty USB port.	Ensure the USB cable is securely plugged into both the scanner and the computer. Try a different USB port.
Scanner beeps but no data is transmitted.	Incorrect output mode or software not ready to receive input.	Ensure your cursor is in a text field or application ready to receive input. Check scanner configuration for output mode (e.g., HID Keyboard Emulation).
Scanner does not read certain barcodes.	Barcode type not enabled, damaged barcode, or insufficient lighting.	Refer to the configuration guide to enable all necessary barcode types. Ensure the barcode is clear and well-lit. Try scanning from a different angle or distance.
Scanner reads slowly or intermittently.	Dirty scanning window or interference.	Clean the scanning window as described in the Maintenance section. Ensure no obstructions are blocking the laser.

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

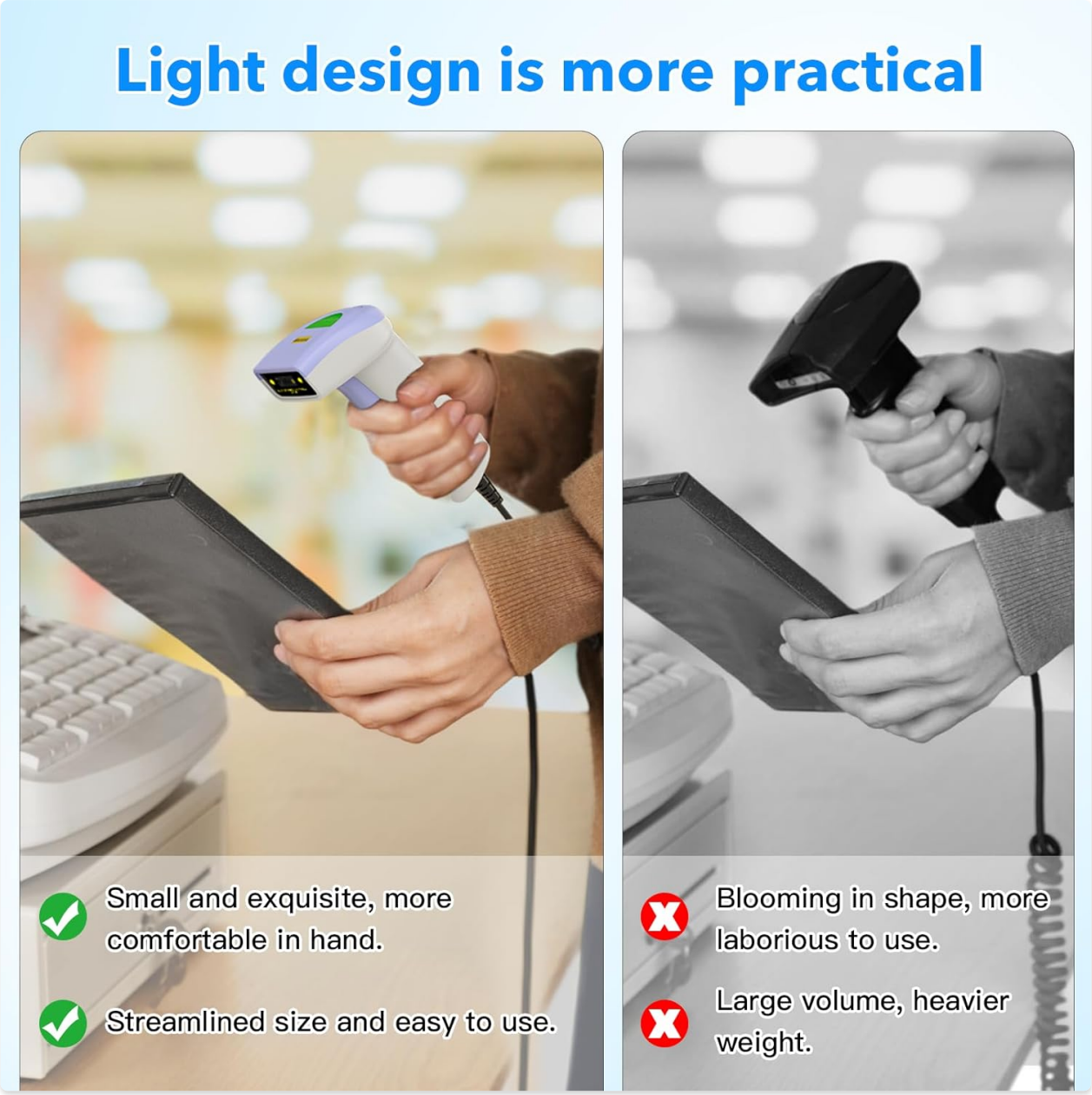
8. Specifications

Feature	Specification
Dimensions	165 x 63 x 87 mm (6.5 x 2.48 x 3.43 inches)
Weight	156g (5.5 oz)
Light Source	650nm~670nm visible laser
Scan Speed	100 scans/sec
Read Preciseness	0.1mm (4mil)
Print Contrast	30% minimum
Depth of Field	0~600mm (0.33mm, PCS 90%)
Scan Scope	10mm~250mm
Reading Distance	2.5~600mm (100% UPC/EAN)

Feature	Specification
Decode Capability	EAN-8/13, UPC-A/E, Code 39/93/128, EAN-128, Codabar, Industrial 2 of 5, Interleave 2 of 5, Matrix 2 of 5, MSI etc.
Bit Error Rate	1/5 million
Current Consumption	85mA (working), 36mA (storage)
Interface	USB
Operating Temperature	0℃~45℃ (32°F~113°F)
Storage Temperature	-20℃~60℃ (-4°F~140°F)
Humidity	5%~95% non-condensing
Material	ABS+PC
Compatible Devices	Desktop, Laptop
Power Source	Corded Electric



The scanner is compact, with dimensions of 1.97in/5cm width, 2.76in/7cm depth, and 5.5in/14cm height, and weighs only 181g (excluding cable).



The compact and streamlined design of the Symcode scanner (left) offers a more comfortable and practical user experience compared to larger, heavier alternatives (right).

9. Warranty and Support

Symcode products are manufactured to high-quality standards. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. Please refer to the warranty card included in your package or visit the official Symcode website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or any inquiries regarding your Symcode 1D Barcode Scanner, please contact Symcode customer service through the contact information provided on the product packaging or the official Symcode website. Please have your product model and purchase details ready when contacting support.