**symcode G3300W-2D**

# Symcode G3300W-2D Omnidirectional Hands-Free Barcode Scanner User Manual

Your guide to setting up and operating your Symcode barcode scanner.

## 1. PRODUCT OVERVIEW

The Symcode G3300W-2D is an omnidirectional, hands-free automatic barcode scanner designed for efficient and versatile scanning. It features dual-engine imaging technology, allowing it to capture both 1D and 2D barcodes from various surfaces, including LCD and OLED mobile phone screens. Its desktop design frees up your hands, enhancing operational efficiency in various environments.

Figure 1: Symcode G3300W-2D Omnidirectional Barcode Scanner with connectivity cables.

Your browser does not support the video tag.

Video 1: Demonstration of the Symcode Omnidirectional Barcode Scanner, showcasing its physical features, unboxing, and scanning capabilities for both 1D and 2D barcodes from various items.

## 2. KEY FEATURES

- **Omnidirectional Hands-Free Scanning:** Allows for quick and convenient scanning without needing to hold the device.
- **Superior Decoding Ability:** Capable of reading common 1D and 2D codes, including QR Code, Data Matrix, PDF417, UPC/EAN, Code39, Code 128, and more.
- **Screen Scanning:** Efficiently captures barcodes from mobile phone and computer screens.
- **Robust Performance:** Decodes blurring, damaged, distorted, colorful, or reflective barcodes at high speeds.

- **Plug and Play:** No software or drivers required for most operating systems; connects via a single USB cable.
- **Wide Compatibility:** Works with Windows XP/7/8/10, Mac OS, Linux, and common software like Word and Excel.
- **Adjustable Design:** The scanner head can be adjusted for optimal scanning angles.



Figure 2: The scanner's advanced decoding capabilities for various barcode types, including damaged and blurred codes.

## 3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Symcode G3300W-2D Barcode Scanner Unit
- USB Connection Cable (1.8m/5.9ft)
- User Manual

Figure 3: Contents included in the Symcode barcode scanner package.

## 4. SETUP INSTRUCTIONS

### 4.1 Connecting the Scanner

1. Locate the USB connection port on the back of the scanner unit.

2. Connect the smaller end of the provided USB cable to the scanner's port.

3. Connect the larger USB-A end of the cable to an available USB port on your computer (PC, laptop, etc.).

4. The scanner is designed for plug-and-play operation and should be automatically recognized by your operating system (Windows, Mac OS, Linux) without requiring additional driver installation.

5. Once connected, the scanner will emit a short beep and the indicator light will turn on, signifying it is ready for use.

# Support multip Keybord Languages



Figure 4: The scanner's broad compatibility with various devices and operating systems.

## 5. OPERATING INSTRUCTIONS

The Symcode G3300W-2D scanner operates in an automatic, hands-free mode. Simply place the item with the barcode in front of the scanner's window.

### 5.1 1D Barcode Scanning

To scan a 1D barcode:

1. Ensure the scanner is connected and powered on.
2. Position the 1D barcode within the scanner's field of view. The scanner will automatically detect and read the barcode.
3. A successful scan will be indicated by a beep and the data appearing in your active application (e.g., text editor, POS software).

### 5.2 2D Barcode Scanning (QR, Data Matrix, PDF417)

To scan a 2D barcode:

1. Ensure the scanner is connected and powered on.
2. Place the 2D barcode (e.g., QR code on a package or screen) in front of the scanner's window.
3. The scanner's advanced imaging technology will quickly capture and decode the information.
4. Confirm the successful scan by the audible beep and the data output.

## 5.3 Scanning from Mobile Phone and Computer Screens

The G3300W-2D is optimized to read barcodes directly from digital displays. For best results, ensure the screen brightness is adequate and avoid excessive glare.

## 6. CONFIGURATION AND CUSTOMIZATION

The scanner can be configured using special programming barcodes found in the full instruction manual. These barcodes allow you to adjust settings such as:

- Volume of the beep sound
- Keyboard language (e.g., English, French, Japanese, Spanish)
- Scanning modes
- Data transmission settings

Refer to the detailed programming guide in your physical user manual for a complete list of configurable options and their corresponding barcodes.

# Scanning platform size : 140mmx81mmx81mm

81mm

140mm

81mm

Figure 5: The scanner supports various keyboard layouts for international use.

**18 LED distributed lighting in the window, with hat eaves design, no irritation to human eyes.**

LED Distributed Lighting

Brim design

Non-slip rubber ring

Figure 6: Design features including LED lighting and a non-slip base for stability.

## 7. MAINTENANCE

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

- **Cleaning:** Regularly wipe the scanner's window and exterior with a soft, dry, lint-free cloth. For stubborn smudges, a slightly dampened cloth with water or a mild, non-abrasive cleaner can be used. Avoid harsh chemicals or abrasive materials.
- **Storage:** Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the scanner with care to prevent drops or impacts that could damage internal components or the scanning window.

## 8. TROUBLESHOOTING COMMON ISSUES

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

- **Scanner Not Recognized by Computer:**

  - Ensure the USB cable is securely connected to both the scanner and the computer.
  - Try connecting the scanner to a different USB port on your computer.
  - Restart your computer.
  - If the scanner becomes unresponsive after the computer idles or sleeps, unplug and re-plug the USB cable to re-establish the connection.

- **Unable to Scan Barcodes:**

  - Verify that the scanner is powered on (indicator light is active).
  - Ensure the barcode is clean, undamaged, and within the scanner's optimal reading range.
  - Check for excessive glare on the barcode, especially when scanning from screens. Adjust the angle or lighting.
  - Confirm that the barcode type is supported by the scanner (refer to Section 2: Key Features).

- **Incorrect Data Output:**

  - Check the keyboard language settings of your computer and ensure they match the scanner's configuration (refer to Section 6: Configuration and Customization).
  - Ensure no other applications are interfering with the input.

- **Scanner is Too Sensitive/Scans Multiple Times:**

  - Refer to the full user manual for programming barcodes that can adjust scanning sensitivity or trigger modes.

## 9. TECHNICAL SPECIFICATIONS

| Specification | Detail |
| --- | --- |
| Model Number | G3300W-2D |
| Product Dimensions | 5.43 x 4.13 x 2.36 inches |
| Item Weight | 1.06 pounds |
| Connectivity Technology | USB 2.0 |
| Compatible Devices | Desktop, Laptop |
| Power Source | USB Powered |
| Barcode Types (1D) | UPC/EAN, Code39, Interleaved 2 of 5, Code93, Code 128, Codabar, Industry25, Matrix25, etc. |
| Barcode Types (2D) | PDF417, QR Code, Data Matrix, etc. |

## 10. WARRANTY INFORMATION

Symcode products are manufactured to high-quality standards. This product typically comes with a standard manufacturer's warranty covering defects in materials and workmanship under normal use. For specific warranty terms, duration, and conditions, please refer to the warranty card included in your product packaging or contact

Symcode customer support directly.
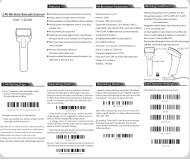
## 11. Customer Support

If you require further assistance, have questions about your product, or need technical support, please contact Symcode customer service through the following channels:

- **Online:** Visit the official Symcode website for FAQs, support resources, and contact forms.
- **Email:** Refer to your product packaging or the official website for the customer support email address.
- **Phone:** Contact numbers may be available on the official Symcode website or in your product documentation.

When contacting support, please have your product model number (G3300W-2D) and purchase information ready.

## Related Documents - G3300W-2D

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| | [2.4G Wireless Barcode Scanner User's Guide \| Symcode](#)<br>Comprehensive user's guide for the Symcode 2.4G Wireless Barcode Scanner, detailing features, performance parameters, operating modes, setup options, and specifications. |
| | [Symcode MJ-340 2D Barcode Scanner User Manual](#)<br>Comprehensive user manual for the Symcode MJ-340 2D Barcode Scanner, covering setup, performance specifications, communication modes, and configuration options. |
| | [TFT Screen Intellectual Wireless Barcode Scanner User Manual](#)<br>User manual for the TFT Screen Intellectual Wireless Barcode Scanner, detailing its features, applications, and operating instructions. Learn about its triple-mode connectivity, large storage capacity, and ergonomic design. |
| | [WSM-QL1601 User Product Manual - Symcode Barcode Imaging Module](#)<br>This user manual provides comprehensive details on the Symcode WSM-QL1601 video 2D barcode imaging module, covering its specifications, configuration, and operational capabilities for diverse applications. |

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| **Bluetooth/2.4G Wireless Barcode Scanner**<br><br>User 's manual<br><br>BROCHURE | [Bluetooth/2.4G Wireless Barcode Scanner User Manual](#)<br>Comprehensive user manual for the Bluetooth/2.4G Wireless Barcode Scanner, covering features, setup procedures, operating modes, troubleshooting, and indicator explanations. |
| **1D Barcode Scanner**<br>User Manual<br><br><br>Barcode Scanner Quick<br>Set-up<br>V2.0 | [1D Barcode Scanner User Manual V2.0](#)<br>This user manual provides comprehensive instructions for the 1D Barcode Scanner, version 2.0. It covers setup, installation, scanning modes, configuration options, and technical specifications. Learn how to efficiently use the scanner in various commercial and industrial applications. |