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Eyoyo EY-041

Eyoyo EY-041 Industrial Wireless Barcode Scanner User Manual

Model: EY-041

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Eyoyo EY-041 Industrial Wireless Barcode Scanner. The EY-041 is a versatile 3-in-1 scanner designed for industrial environments, offering robust durability, IP65 waterproof and dustproof protection, and flexible connectivity options.



The Eyoyo EY-041 barcode scanner shown resting in its charging dock, highlighting its design and readiness for use.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Eyoyo EY-041 Barcode Scanner
- Charging Base
- USB Cable
- Base Connection Cable
- 2.4G Dongle
- User Manual



A clear view of all items included in the product package: the EY-041 barcode scanner, charging base, USB cable, base connection cable, and 2.4G dongle.

3. SETUP

3.1 Charging the Scanner

Before initial use, fully charge the scanner. Place the scanner into the charging dock. The 4-level power indicator on the scanner will show the charging status (25%-50%-75%-100%). A full charge supports over 57,000 scans or 15+ hours of continuous operation.

Long Working Time

Check remaining charge instantly with LED Indicator



Close-up of the scanner's display showing the battery indicator, which provides real-time power status.

3.2 Connecting the Scanner

The EY-041 offers three connection methods:

- **2.4G Wireless Connection:** Insert the 2.4G dongle into your computer's USB port. The scanner will automatically pair.
- **Bluetooth Wireless Connection:** Activate Bluetooth on your device (mobile, tablet, computer). Scan the Bluetooth pairing barcode in the manual. Select 'EY-041' from your device's Bluetooth list to connect.
- **USB Wired Connection:** Connect the scanner directly to your computer using the provided USB cable. The scanner will function as a wired device and charge simultaneously.

3-in-1 Connection Ways

2.4G Wireless Connection



Bluetooth Wireless Connection



USB Wired Connection



An illustration detailing the three primary connection methods: 2.4G wireless via dongle, Bluetooth for mobile devices, and direct USB wired connection.

4. OPERATING MODES

The EY-041 supports three scanning modes to suit various operational needs:

- **Manual Trigger Mode:** Press the trigger button to initiate each scan. Ideal for precise, single-item scanning.
- **Continuous Scanning Mode:** The scanner continuously emits a scan beam without requiring trigger presses. Suitable for high-volume scanning when used with the charging base.
- **Auto-Sensing Mode:** The scanner automatically detects a barcode within its field of view and scans it without a trigger press. Best utilized when the scanner is placed in its hands-free charging base.

3 Scanning Modes



Auto-Sensing Scanning



Continuous Scanning



Manual Trigger



A collage of images demonstrating the three available scanning modes: automatic sensing, continuous scanning without trigger, and manual trigger activation.

4.1 Hands-Free Scanning with Charging Dock

The charging dock doubles as a hands-free stand. When placed in the dock and set to continuous or auto-sensing mode, the scanner can efficiently process items without requiring manual holding, optimizing workflow for tasks like checkout or assembly lines.

2-in-1 Charging Base



The scanner placed in its dock, which serves both as a charging station and a hands-free stand for efficient, continuous scanning.

5. DATA UPLOAD MODES

The EY-041 supports two data upload modes:

- **Instant Upload Mode:** Scanned data is immediately transmitted to the connected device.
- **Storage Mode:** Scanned data is stored internally in the scanner's memory (up to 100,000 barcodes) and can be uploaded later. This mode is useful when operating out of range of Bluetooth or wireless connectivity.

6. CUSTOMIZABLE SETTINGS

The scanner's behavior can be customized by scanning specific configuration barcodes found in the full user manual. These settings include:

- Adjusting beep sounds and vibration.
- Switching keyboard languages.

- Enabling or disabling specific barcode types (1D, 2D, QR).
- Adding prefixes or suffixes to scanned data.

7. DURABILITY AND PERFORMANCE

7.1 Industrial-Grade Durability

The EY-041 is constructed with high-strength industrial materials, including 70% soft rubber and durable ABS+PC+TPU. It is designed to withstand drops from up to 3 meters (10 feet) onto concrete, making it suitable for demanding environments such as warehouses and manufacturing facilities.



An image illustrating the scanner's robust construction, capable of withstanding drops and dusty environments.

7.2 IP65 Waterproof & Dustproof Protection

With an IP65 rating, the scanner is protected against dust ingress and low-pressure water jets from any direction. This ensures reliable performance in wet, rainy, or dusty conditions. *Note: The scanner itself is waterproof; the charging base is not.*

IP65 Waterproof



A user scanning a barcode outdoors in rainy conditions, showcasing the scanner's IP65 waterproof protection.

7.3 Superior 1D & 2D Scanning Capability

The EY-041 features a wide scan range and a bright aiming dot, enabling it to read both 1D and 2D barcodes quickly and accurately. It performs well with barcodes printed on paper, labels, or displayed on screens, even those that are damaged, distorted, or of poor quality.

SUPERIOR [1D&2D] SCANNING CAPABILITY



The scanner actively reading both 1D and 2D barcodes, demonstrating its versatile scanning capabilities.

8. MAINTENANCE

- Cleaning:** Use a soft, damp cloth to clean the scanner's exterior. Avoid abrasive cleaners or solvents.
- Storage:** Store the scanner in a cool, dry place when not in use.
- Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the scanner regularly.

9. TROUBLESHOOTING

If you encounter issues with your EY-041 scanner, consider the following:

- Scanner not connecting:** Ensure the scanner is charged. For 2.4G, verify the dongle is properly inserted. For Bluetooth, ensure the scanner is in pairing mode and selected on your device.
- Scanning issues:** Check if the barcode is clean and undamaged. Ensure the scanner is held at an appropriate distance and angle. Verify that the barcode type is enabled in the scanner's settings.
- No data transmission:** Confirm the scanner is successfully connected to your device. Check if the

scanner is in instant upload mode or if data needs to be manually uploaded from storage mode.

- **Battery draining quickly:** Ensure the scanner is fully charged. Reduce continuous scanning time if possible.

For further assistance, please refer to the comprehensive user manual or contact customer support.

10. SPECIFICATIONS

Feature	Specification
Model Number	EY-041
Product Dimensions	5.43 x 1.18 x 3.62 inches
Item Weight	1.63 pounds
Connectivity Technology	2.4G Wireless, Bluetooth, USB Cable
Power Source	Battery Powered
Battery Capacity	2500mAh
Durability	3m/10ft drop resistance
Protection Rating	IP65 Waterproof & Dustproof
Scanning Capability	1D & 2D Barcodes
Compatible Devices	Desktop, Laptop, POS, Smartphone, Tablet

11. WARRANTY AND SUPPORT

11.1 Warranty Information

The Eyoyo EY-041 Industrial Wireless Barcode Scanner comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

11.2 Customer Support

For technical support, troubleshooting assistance, or warranty inquiries, please contact Eyoyo customer service. Refer to the contact information provided in your product packaging or visit the official Eyoyo website.

12. PRODUCT VIDEO

Official product video showcasing the features and functionality of the Eyoyo Industrial Wireless Barcode Scanner.

Related Documents - EY-041

	<p>Eyoyo EY-039 QA: Frequently Asked Questions and Setup Guide</p> <p>This document provides answers to frequently asked questions and setup instructions for the Eyoyo EY-039 2D Bluetooth Barcode Scanner. It covers pairing, compatibility, configuration options, and troubleshooting.</p>
	<p>Eyoyo EY-038P QA: Frequently Asked Questions and Setup Guide</p> <p>A comprehensive guide to the Eyoyo EY-038P wearable ring barcode scanner, covering setup, troubleshooting, and feature configurations. Learn how to pair, synchronize time, manage settings, and resolve common issues.</p>
	<p>Eyoyo EY-016P Barcode Scanner: Frequently Asked Questions and Answers</p> <p>Find answers to common questions about the Eyoyo EY-016P barcode scanner, covering setup, connectivity, compatibility, and troubleshooting. Get support and technical information.</p>
	<p>EYOYO EY-021 Barcode Scanner User Manual</p> <p>User manual for the EYOYO EY-021 Barcode Scanner. Covers features, technical specifications, setup, operation, troubleshooting, and various scanning configurations. Includes details on Bluetooth and 2.4G connectivity.</p>
	<p>Eyoyo EY-017P 2D Barcode Scanner User Manual</p> <p>This user manual provides comprehensive instructions for the Eyoyo EY-017P 2D Barcode Scanner. It covers setup, quick start guide, features, technical specifications, product introduction, buzzer and indicator light states, FAQs, troubleshooting, battery and charging information, restoring defaults, version number, pairing modes (HID, SPP, BLE), upload modes (Normal, Storage), iOS keyboard functions, keyboard language settings, beep/vibration settings, sleep time, end character settings, case conversion, scanning modes, and detailed barcode parameter configurations for various symbologies.</p>



[Eyoyo EY-022P Barcode Scanner FAQ and Support](#)

Frequently Asked Questions (FAQ) and support information for the Eyoyo EY-022P 2D QR Bluetooth Barcode Scanner, covering setup, connectivity, and troubleshooting.