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ScanAvenger SA-1D2D-3IN1

ScanAvenger Portable Wireless Bluetooth Barcode Scanner User Manual

Brand: ScanAvenger | **Model:** SA-1D2D-3IN1

1. Introduction and Overview

The ScanAvenger Portable Wireless Bluetooth Barcode Scanner is a versatile 3-in-1 device designed for efficient inventory management. It offers wireless, Bluetooth, and USB connectivity options, along with vibration capabilities for noisy environments. No additional software or apps are required for operation, ensuring a plug-and-play experience.

The ScanAvenger barcode scanner, shown with its accompanying USB dongle, ready for wireless operation.

Effortlessly scan barcodes on Mac, Windows, Android, Apple, and POS systems to boost productivity.

2. Setup

The ScanAvenger barcode scanner offers three primary connection methods: USB Cable, 2.4G Wireless (via USB dongle), and Bluetooth. No software installation is required for any of these modes.

2.1. USB Cable Connection

- Connect the USB-B end of the provided cable to the scanner's port.
- Plug the USB-A end into an available USB port on your computer (Mac or Windows).
- The scanner will automatically be recognized as a keyboard device.
- Press the scan button once to activate the scanner. The blue LED indicator will illuminate, signifying a successful connection.

2.2. 2.4G Wireless Connection (USB Dongle)

- Insert the provided USB dongle into an available USB port on your computer.
- The computer will automatically detect the dongle.
- Press the scan button on the scanner once. The blue LED will light up, indicating a successful wireless connection.

2.3. Bluetooth Connection

- Ensure Bluetooth is enabled on your mobile device (Android or Apple), tablet, or computer.
- On the scanner, press and hold the scan button for 8 seconds until you hear a beep, indicating it's ready for Bluetooth pairing.
- On your device, search for "ScanAvenger" in the Bluetooth settings and tap to connect.
- The blue LED on the scanner will illuminate, confirming the connection.
- To toggle the on-screen keyboard on a mobile device while connected via Bluetooth, double-tap the scan button.

This image illustrates the broad operating system compatibility of the scanner, including iOS, Android, Linux, Windows, and Mac OS. It also explicitly states that the scanner is not compatible with Square, Shopify, or Shopkeep POS systems.

The ScanAvenger scanner operates without the need for additional software installation, simplifying setup across various devices.

3. Operating the Scanner

The ScanAvenger scanner is designed for ease of use and versatility in various scanning environments.

3.1. Scan Modes

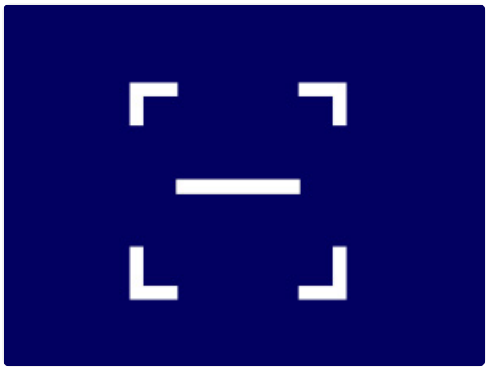
- **Manual Mode:** Press the scan button for each barcode scan.
- **Continuous Mode:** The scanner continuously scans barcodes without needing to press the button for each scan.
- **Auto Sense Mode:** The scanner automatically detects and scans barcodes when presented within its field of view.

3.2. Code Compatibility

The scanner supports a wide range of 1D and 2D barcodes:

- **1D Barcodes:** UPC, EAN, Code128, Code39, Code11, Codabar, and many others.
- **2D Barcodes:** PDF417, Data Matrix, QR Code, Aztec, MicroPDF, Interleaved, and others.

Note: This scanner does not work with Maxicode, Square, Shopify, or Shopkeep.



The scanner in use, demonstrating its ability to read both QR codes and traditional barcodes.

3.3. Data Upload Modes

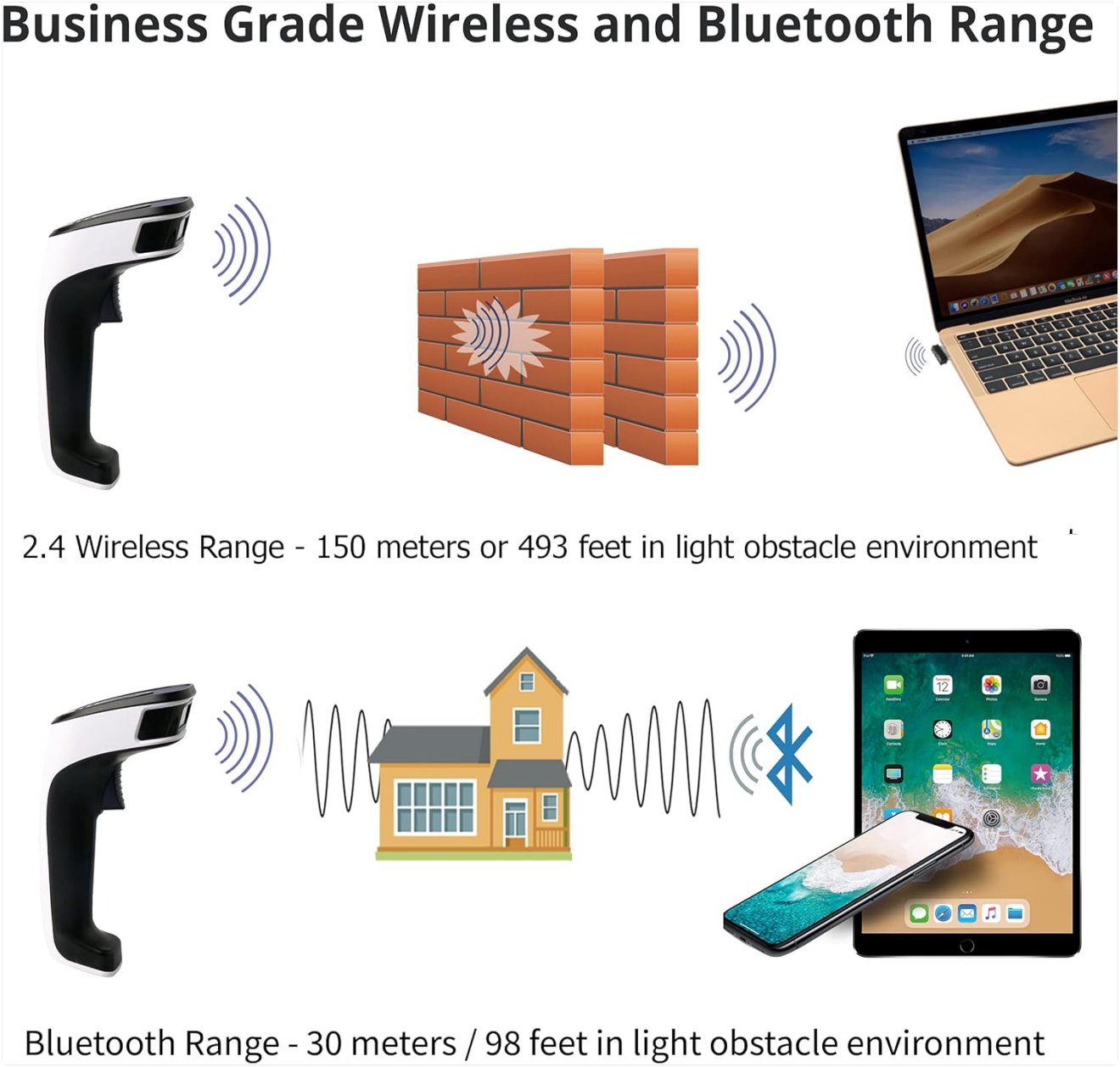
- **Instant Mode:** Barcodes are instantly uploaded to the connected system. Ideal for real-time data entry.
- **Storage** / **Offline Mode:** Barcodes are stored in the scanner's internal memory (up to 200,000 product codes) and can be uploaded later when connected. Useful for scanning out of range.

This image highlights the two primary data upload modes: Instant mode for immediate transfer and Storage/Offline mode for batch uploads of over 200,000 product codes.

3.4. Transmission Range

- **2.4G Wireless:** Up to 493 feet (150 meters) in an obstacle-free environment.
- **Bluetooth:** Up to 98 feet (30 meters) in environments with medium density obstacles.

Transmission speed can be adjusted for faster barcode scanning.



A visual representation of the scanner's wireless capabilities, indicating a 2.4G wireless range of up to 493 feet and a Bluetooth range of up to 98 feet in environments with medium density obstacles.

4. Maintenance

4.1. Battery Charging

- The scanner has a built-in rechargeable Li-ion battery.
- A full charge takes approximately 3 hours.
- The battery provides up to 48 hours of continuous scanning or up to 90 days of standby time.
- For long-term use, charge your scanner with a 5V/1A charger. Avoid fast chargers (like 5V/2A or 9V) to prevent potential battery damage.

Detailed battery information, including 3 hours to full charge, up to 90 days standby time, and up to 48 hours of continuous scanning.

4.2. Cleaning and Durability

- Clean the scanner's exterior with a soft, dry cloth. Avoid abrasive cleaners or solvents.
- The scanner features an industrial-grade shock-resistant design, built to withstand drops of up to 1.5 meters (5 feet) onto hard surfaces.

The scanner's industrial-grade shock-resistant design, built to withstand drops of up to 1.5 meters (5 feet) onto hard surfaces.

5. Troubleshooting

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

- **Scanner Not Connecting:**
  - Ensure the USB cable or dongle is securely plugged in.
  - For Bluetooth, ensure the scanner is in pairing mode (hold button for 8 seconds) and Bluetooth is enabled on your device.
  - Try restarting the scanner and your host device.
- **No Output After Scanning:**
  - Verify the scanner is connected (blue LED).
  - Ensure you have an active text input field open (e.g., Notepad, Word, Excel) on your connected device.
  - Check if the barcode is damaged or poorly printed. The scanner can decode irregular or damaged barcodes, but extreme cases may prevent scanning.

- **Incorrect Data Output:**
  - Refer to the quick user manual for configuration barcodes to adjust settings such as adding/deleting characters or changing transmission speed.
- **Battery Issues:**
  - Ensure the scanner is charged using a 5V/1A charger.

For further assistance, please contact ScanAvenger customer support.

6. Specifications

Feature	Detail
Product Dimensions	3.35 x 2.5 x 7.3 inches
Item Weight	5.5 ounces
Batteries	1 Lithium Ion batteries required (included)
Connectivity Technology	Bluetooth, USB Cable, Wi-Fi (2.4G Wireless)
Power Source	Battery Powered
Compatible Devices	Laptop, Desktop, Tablet, Smartphone, POS
Decoding Speed	25cm per second
Resolution	> 4mil/0.1mm
Print Contrast	>25%
Scan Distance	25-400mm
Drop Resistance	1.5 meters (5 feet)
Battery Life (Continuous)	Up to 48 hours
Battery Life (Standby)	Up to 90 days
Full Charge Time	3 hours

7. Warranty and Support

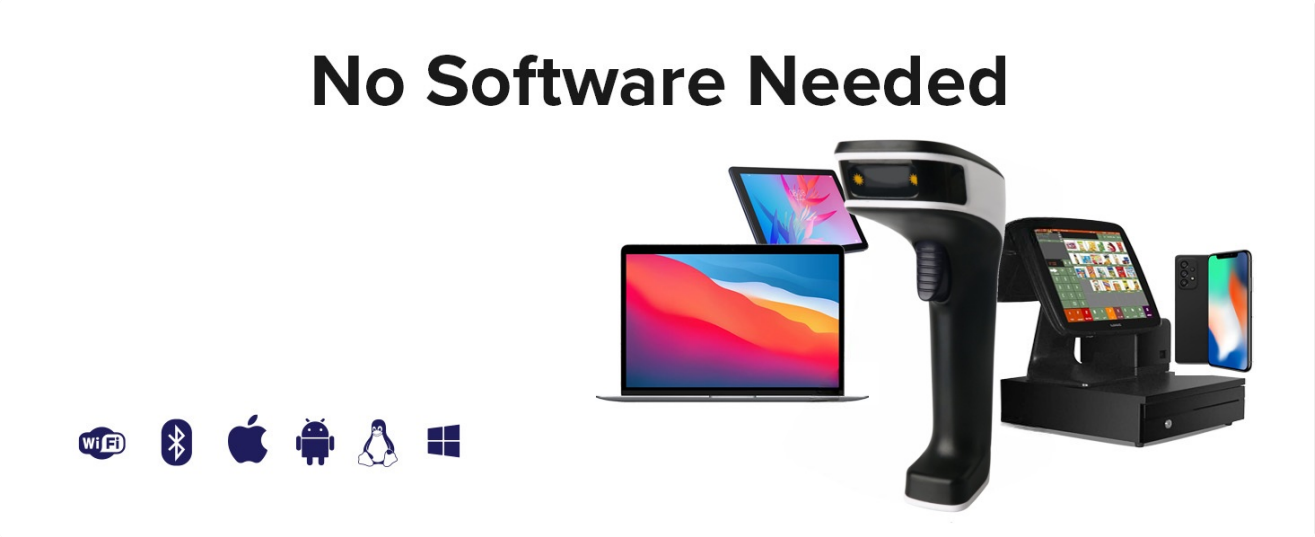
ScanAvenger is committed to providing reliable products and excellent customer service.

7.1. Warranty Information

You may be eligible to register your scanner for an extra 6 months of warranty. Please refer to the included warranty card or visit the ScanAvenger website for details on how to register your product.

7.2. Customer Support

Our dedicated 24/7 support team is available to assist you with any questions or issues you may encounter. For support, please visit the official ScanAvenger Store or contact us through the provided channels in your product packaging.



ScanAvenger offers quick response customer service, available 24/7 for support.

Related Documents - SA-1D2D-3IN1

	ScanAvenger Wireless Barcode Scanner Quick Start Guide and Troubleshooting A comprehensive guide to setting up, connecting, and troubleshooting ScanAvenger wireless barcode scanners, including technical specifications, LED indicators, connectivity instructions, configuration options, and frequently asked questions.
	ScanAvenger Wireless Barcode Scanner Quick Start Guide A concise guide to setting up and using the ScanAvenger Wireless Barcode Scanner, covering LED/buzzer indicators, technical specifications, connectivity options (USB Dongle, Bluetooth), and various settings for optimal performance.
	ScanAvenger Wireless Barcode Scanner Quick Start Guide Quick start guide for the ScanAvenger Wireless Barcode Scanner (V6.5, M10), covering Bluetooth and 2.4G USB dongle setup, technical specifications, troubleshooting, and FAQs.
	ScanAvenger Wireless Barcode Scanner Quick Start Guide A quick start guide for the ScanAvenger Wireless Barcode Scanner, covering setup, connectivity, and basic settings for USB, 2.4GHz wireless, and Bluetooth modes. Includes troubleshooting tips and technical specifications.
	ScanAvenger Wireless / Bluetooth / USB 1D&2D Barcode Scanners User Manual Comprehensive user manual for ScanAvenger Wireless, Bluetooth, and USB 1D&2D barcode scanners. Learn about setup, configuration, troubleshooting, and advanced features.

 SCANAVENGER Full Factory Reset for Wireless USB Dongle Connection 1. Unplug the USB Dongle. 2. Scan the barcode below to enter • Reset with the USB Dongle Unplug, Wait for reset and Plug in a Scan • This is performing the Full Factory Reset of Wireless USB Dongle Scanning Cradle Wireless Dongle Cradle Step 1 Step 2 %SpecCode93	ScanAvenger Wireless USB Dongle Factory Reset Guide Instructions for performing a full factory reset on ScanAvenger wireless USB dongles using barcode scanning.