Yanzeo SR300

YANZEO SR300 UHF RFID Reader Instruction Manual

Model: SR300 | Brand: Yanzeo

1. Product Overview

The YANZEO SR300 is a versatile handheld UHF RFID reader designed for efficient inventory management and data collection across various applications. It operates within the 860MHz-960MHz frequency range, making it suitable for tracking items such as clothing, shoes, jewelry, and warehouse inventory. This device offers multiple connectivity options and a user-friendly interface for streamlined operation.

Figure 1: Front view of the YANZEO SR300 UHF RFID Reader, showing its display and control buttons.

Key features of the SR300 include:

- **Efficient Inventory Management:** Optimized for 860-960MHz UHF RFID tags, ideal for retail and warehouse environments.
- **Wireless Bluetooth Connectivity:** Enables mobile and flexible operation without physical tethers.
- **Long-Range Detection:** Capable of reading RFID tags from up to 5 feet (2 meters) away, improving scanning efficiency.
- **Internal Data Storage:** Built-in memory can store up to 1000 label records, which can be uploaded via USB.
- **User-Friendly Design:** Compact, lightweight, and features a clear display for ease of use.
- **Multiple Tag Reading Modes:** Supports both single tag and multiple tag reading.

2. Setup

2.1 Unpacking and Initial Inspection

Carefully remove the SR300 RFID reader from its packaging. Inspect the device for any signs of damage. Ensure all components listed in the packing list are present.

2.2 Charging the Device

The SR300 is equipped with a Lithium Polymer battery. Before first use, fully charge the device using the provided USB cable. Connect the USB cable to the reader's charging port and the other end to a standard USB power adapter or a computer's USB port. The charging indicator will provide status.

2.3 Connectivity Options

The SR300 offers three primary connection methods:

1. **USB Wired Connection:**

   Connect the reader directly to a computer using the USB cable. This method allows for data upload and direct communication with compatible software.

Figure 2: The YANZEO SR300 connected to a laptop via USB cable for wired communication.

2. **Bluetooth Wireless Connection:**

   Enable Bluetooth on your smartphone or computer. On the SR300, navigate to the Bluetooth settings and pair with your device. This provides wireless mobility for scanning operations.

Figure 3: The YANZEO SR300 demonstrating Bluetooth wireless connectivity with a smartphone.

3. **2.4GHz Wireless Connection:**

   For devices that support 2.4GHz wireless, plug the provided USB dongle into your computer. The SR300 will automatically connect to the dongle, offering another wireless option.

Figure 4: The YANZEO SR300 connected wirelessly to a laptop via a 2.4GHz USB dongle.

For advanced settings and configuration, it is recommended to download the official software from the manufacturer's website: SR300-UHF-RFID-software-V3.0(1).zip

3. Operating Instructions

3.1 Basic Scanning Operation

To scan RFID tags, power on the device. The OLED display will show options such as "Scan", "View History", "Clear Records", and "Upload". Select "Scan" to begin reading tags. Point the reader towards the RFID tags you wish to scan.

Figure 5: Diagram illustrating the key features of the SR300, including its portability, HD OLED display, compatibility, and upgrade technology.

3.2 Reading Distance

The SR300 can read RFID tags from a distance of up to 5 feet (2 meters). The actual reading distance may vary depending on the size and type of the RFID tag, as well as environmental factors.

Figure 6: The SR300 demonstrating its 2-meter reading distance capability in an outdoor setting with livestock.

3.3 Data Storage and Upload

The device has a built-in memory capable of storing up to 1000 records of label information. To upload stored data to a computer, connect the SR300 via USB cable and use the provided software. Select "Upload" from the device's menu to initiate the transfer.

3.4 Supported UHF Tags

The SR300 supports a variety of UHF RFID tags, including those compliant with the ISO18000-6C standard. It operates within the 860-960MHz frequency range.

Figure 7: The SR300 illustrating its compatibility with various UHF tag types, including cards, rolls, and specialized tags.

4. Maintenance

4.1 Cleaning

To clean the device, use a soft, dry, lint-free cloth. For stubborn dirt, slightly dampen the cloth with water. Do not use harsh chemicals, abrasive cleaners, or solvents, as these can damage the device's surface or internal components.

4.2 Storage

When not in use, store the SR300 in a cool, dry place away from direct sunlight and extreme temperatures. Protect it from dust and moisture. If storing for an extended period, ensure the battery is partially charged (around 50%) to prolong its lifespan.

4.3 Battery Care

Avoid fully discharging the battery frequently. Recharge the device when the battery level is low. If the device will not be

used for a long time, charge it every few months to prevent deep discharge.

5. Troubleshooting

5.1 Device Not Powering On

- Ensure the battery is sufficiently charged. Connect the device to a power source and allow it to charge for at least 30 minutes before attempting to power on again.
- Check the power button for proper function.

5.2 Unable to Read Tags

- Verify that the device is in "Scan" mode.
- Ensure the RFID tags are within the optimal reading distance (up to 2 meters).
- Check that the tags are UHF RFID tags compatible with the 860-960MHz frequency range and ISO18000-6C standard.
- Environmental interference can affect reading performance. Try scanning in a different location.
- If experiencing issues with specific settings, ensure the latest software is installed and configured correctly. Refer to the software download link in Section 2.3.

5.3 Connectivity Issues (Bluetooth/USB/2.4GHz)

- **Bluetooth:** Ensure Bluetooth is enabled on both the reader and the host device. Unpair and re-pair the devices if connection fails.
- **USB:** Try a different USB port or cable. Ensure the necessary drivers are installed on your computer (usually automatically detected).
- **2.4GHz:** Ensure the USB dongle is securely plugged into the computer. Try re-inserting the dongle.

5.4 Data Upload Issues

- Ensure the device is properly connected to the computer via USB.
- Verify that the data upload software is running and configured correctly.
- Check if the device's internal memory is full. If so, clear records after successful upload.

6. Specifications

Feature	Detail
Brand	Yanzeo
Model Name	SR300
Item Model Number	SR300
Connectivity Technology	Bluetooth, USB, 2.4GHz Wireless
Operating System Compatibility	Linux, Windows
Compatible Devices	Desktop, Smartphone
Item Weight	6.7 ounces (approx. 190g)

Feature	Detail
Product Dimensions (LxWxH)	71.65 x 30.31 x 6.89 inches (approx. 182 x 77 x 17.5 cm)
Batteries	1 Lithium Polymer battery (included)
Reading Frequency	860MHz-960MHz (UHF)
Reading Distance	Up to 5 feet (2 meters)
Data Storage Capacity	Up to 1000 records
Material	ABS+PC
IP Rating	IP65

7. Warranty and Support

7.1 Warranty Information

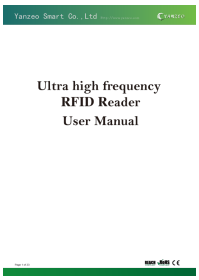
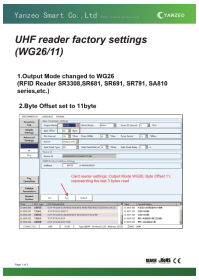
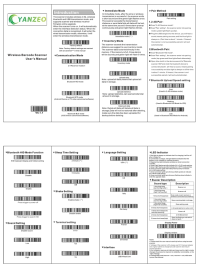
For specific warranty details, please refer to the warranty card included with your product or contact Yanzeo customer support directly. Standard warranties typically cover manufacturing defects for a specified period from the date of purchase.

7.2 Customer Support

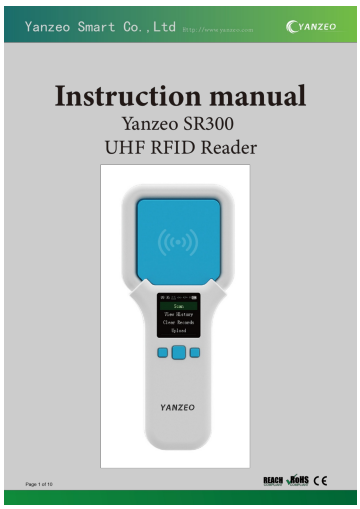
If you encounter any issues not covered in this manual or require further assistance, please contact Yanzeo customer support. You can typically find contact information on the manufacturer's official website or through the retailer where the product was purchased.
When contacting support, please have your product model (SR300) and purchase details readily available.

Related Documents - SR300

	Yanzeo SA Series UHF RFID Integrated Machine User Manual Comprehensive user manual for the Yanzeo SA Series Ultra High Frequency Integrated Machine, covering installation, operation, software configuration, and advanced settings for RFID readers.

	[Yanzeo Ultra High Frequency RFID Reader User Manual] User manual for the Yanzeo Ultra High Frequency RFID Reader, detailing its parameters, applications, wiring, installation, and software operation.
	[Yanzeo AR180 User Manual: RFID Tag Scanner for Animal Management] User manual for the Yanzeo AR180, a low-frequency RFID tag scanner supporting EMID and FDX-B(ISO11784/85) tags. Learn about its features, operation, scanning, data uploading, and charging.
	[Yanzeo UHF RFID Reader Factory Settings Guide (WG26/11)] This guide details the factory settings for Yanzeo UHF RFID readers, specifically focusing on WG26 output mode and byte offset configurations. It covers common reader models like SR3308, SR681, SR691, SR791, SA810, and DM02 DR201, providing instructions for setting output modes, byte offsets, and troubleshooting connection issues.
	[E9820i Wireless Barcode Scanner User's Manual] User's manual for the E9820i Wireless Barcode Scanner, detailing its features, connectivity options (2.4G, Bluetooth, USB), pairing procedures, operational modes, LED indicators, and buzzer descriptions.
	[Yanzeo L1100/L1000 Series Wired 1D Barcode Scanner Instruction Manual] Comprehensive instruction manual for the Yanzeo L1100 and L1000 series wired 1D barcode scanners, covering setup, features, maintenance, and warranty information.

Documents - Yanzeo – SR300



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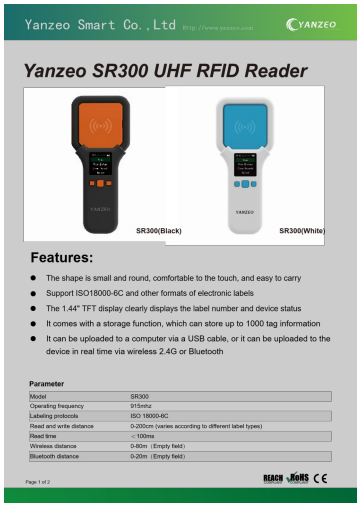

[pdf] Dimension Guide Label

Yanzeo SR300 UHF RFID Reader READER reader yanzeo data |||

Yanzeo Smart Co.,Ltd Http://XXX ZBO FPDPN Yanzeo **SR300** UHF RFID Reader **SR300** Black **SR300** White Features: The shape is small and round, comfortable to the touch, and easy to carry Support ISO18000-6C and other formats of electronic labels The 1.44 TFT display clearly displays the label number a...

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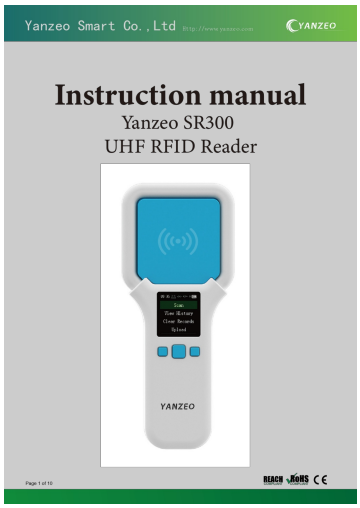

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