3nStar SC250

3nStar SC250 1D Vertical Omni-directional Scanner User Manual

Model: SC250

1. INTRODUCTION

The 3nStar SC250 is a robust on-counter heavy-duty scanner designed for continuous and rapid scanning of various barcoded items. Its advanced features ensure accuracy and efficiency, making it ideal for busy retail and point-of-sale environments. The compact design is a great space-saver for limited workspaces.

Key features include:

- Line Omnidirectional Pattern: Provides efficient scanning for hand presentation applications.
- Automatic Scanning Operation: Simply present a barcode, and the unit scans in a single pass.
- High performance motor and hardware decode technology for faster reading speed.
- Scan Rate: Up to 1500 scans per second.
- Durable design: Tested to withstand frequent 1m drops.

Figure 1.1: The 3nStar SC250 1D Vertical Omni-directional Scanner in a retail setting, highlighting its omnidirectional scanning capabilities and high performance.

2. SETUP

Follow these steps to set up your SC250 scanner:

1. **Unpack the Scanner:** Carefully remove the SC250 scanner and all accessories from its packaging. Ensure all components are present: the scanner unit and the USB cable.

2. **Connect the USB Cable:** Locate the USB port on the back or bottom of the SC250 scanner. Insert one end of the provided USB cable into this port.

3. **Connect to Host Device:** Plug the other end of the USB cable into an available USB port on your computer (desktop or laptop) or Point-of-Sale (POS) system. The scanner is powered via the USB connection.

4. **Driver Installation (Plug and Play):** The SC250 is a plug-and-play device. Your operating system (Windows, macOS, Linux) should automatically detect and install the necessary drivers. No manual driver installation is typically required.

5. **Placement:** Place the scanner on a stable, flat surface in your desired scanning area. Ensure there is enough space around the scanner for comfortable operation and to prevent obstruction of the scanning window.

Figure 2.1: Detailed view of the SC250 scanner, showing its robust build and scanning window, ready for connection.

3. OPERATING INSTRUCTIONS

The SC250 scanner is designed for ease of use with its automatic scanning operation.

- **Power On:** Once connected via USB, the scanner will power on automatically. There is no separate power button.
- **Scanning a Barcode:** Simply present the barcode of the item to the scanning window of the SC250. The omnidirectional scan pattern will automatically detect and read the barcode.
- **Confirmation:** Upon successful scan, the scanner will typically emit an audible beep and/or a visual indicator (e.g., an LED light) to confirm the read. The decoded data will be transmitted to your connected computer or POS system as keyboard input.
- **Optimal Scanning Distance:** For best results, hold the barcode within a few inches of the scanning window. The omnidirectional pattern allows for flexible positioning.
- **Troubleshooting Poor Reads:** If a barcode does not scan on the first attempt, try adjusting the angle or distance. Ensure the barcode is clean and not excessively damaged.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your SC250 scanner.

- **Cleaning the Scanning Window:** Regularly clean the scanning window with a soft, lint-free cloth. If necessary, dampen the cloth slightly with water or a mild, non-abrasive cleaner. Avoid harsh chemicals or abrasive materials that could scratch the window.
- **General Cleaning:** Wipe the exterior of the scanner with a dry or slightly damp cloth to remove dust and dirt.
- **Avoid Drops and Impacts:** While the SC250 is designed to withstand 1m drops, repeated or severe impacts can damage the internal components. Handle the scanner with care.
- **Environmental Conditions:** Operate and store the scanner in a clean, dry environment, away from extreme temperatures, direct sunlight, and excessive humidity.
- **Cable Care:** Do not bend or crimp the USB cable excessively. Ensure it is not a tripping hazard.

5. TROUBLESHOOTING

If you encounter issues with your SC250 scanner, refer to the following common problems and solutions:

- **Scanner Not Powering On:**
  - Ensure the USB cable is securely connected to both the scanner and the host computer.
  - Try plugging the USB cable into a different USB port on your computer.
  - Verify that the host computer is powered on and functioning correctly.

- **Scanner Not Reading Barcodes:**
  - Check if the scanning window is clean and free of obstructions or smudges.
  - Ensure the barcode is not damaged, smudged, or poorly printed.
  - Adjust the distance and angle of the barcode relative to the scanning window.
  - Confirm that the scanner is properly recognized by your computer's operating system (check Device Manager on Windows, System Information on macOS).

- **No Data Transmission to Computer:**
  - Ensure the scanner is successfully reading barcodes (indicated by a beep/light).

- Verify that the application you are using (e.g., notepad, POS software) is active and ready to receive input.
- Restart your computer and the scanner.

If the problem persists, please contact 3nStar customer support.

6. SPECIFICATIONS

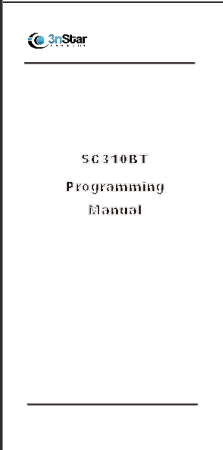| Feature	Detail
Product Dimensions	5.91 x 2.95 x 6.1 inches
Item Weight	1.5 pounds
Model Number	SC250
Manufacturer	3nStar
Compatible Devices	Desktop, Laptop
Power Source	Corded Electric (USB Powered)
Connectivity Technology	USB Cable
UPC	853211005179
Scan Rate	1500 scans per second
Scan Pattern	24-line omnidirectional
Laser Engine	650 nm
Drop Resistance	Withstands frequent 1m drops

7. WARRANTY AND SUPPORT

For warranty information and technical support regarding your 3nStar SC250 scanner, please refer to the documentation included with your purchase or visit the official 3nStar website. 3nStar is committed to providing reliable products and customer assistance.

Manufacturer: 3nStar

For further assistance, please contact 3nStar customer service through their official channels.

Related Documents

[3nStar SC610-Bluetooth Wireless Industrial Barcode Scanner 2D](#)
The 3nStar SC610-Bluetooth is a rugged, IP67-rated 2D wireless industrial barcode scanner designed for demanding environments. It offers long-range Bluetooth connectivity, powerful decoding capabilities, and a backup battery charging base.

[3nStar SC310BT Programming Manual](#)
A comprehensive programming manual for the 3nStar SC310BT 1D laser barcode scanner. This guide details setup procedures, interface selection, keyboard and RS-232 configurations, data formats, and various barcode settings.

[3nStar SC100 1D Laser Handheld Barcode Scanner: Specifications & Features](#)
Explore the technical specifications and key features of the 3nStar SC100, a reliable 1D laser handheld barcode scanner with autosense technology, ergonomic design, and robust performance for various applications.

[3nStar Industrial Wireless Barcode Scanner Manual - Setup, Usage, and Troubleshooting](#)
Comprehensive user manual for the 3nStar Industrial Wireless Barcode Scanner (SC610BT, T10-RF2.4GZ). Covers product description, setup, connection methods (USB, RS232, Bluetooth), pairing, scanning, charging, base usage, indicator status, and troubleshooting common problems.

Documents - 3nStar – SC250

[pdf] Specifications

SC250 SP Download Specifications Spanish 1D Vertical Omni directional Scanner 3nStar Best POS AIDC Products 3nstar 2016 11 |||
Your Solution Provider 1DVERTICAL Omnidirectional Barcode Scanner **SC250** El **SC250** de 3nStar es un lector fijo omnidireccional Heavy Duty que gracias a la profundidad de lectura que le otorga su diodo lser de 650nm y su patrn de 20 lneas, le permite al operador leer todos los cdigos de barras estnda...
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SPEC SC250 Your Solution Provider 1DVERTICAL 3nstar Physical Dimensions 155mm x 150mm 75mm Weight 680g Warranty 1 year Material ABS PC Cable Standard 2M straight 2016 11 |||

Your Solution Provider 1DVERTICAL Omnidirectional Barcode Scanner **SC250** **SC250** on-counter heavy-duty scanner that allows you to continuously and rapidly scan various barcoded items without omissions or errors on first-pass reads. It s in-built 650 nm laser engine and 24-line scan pattern allows you t...

lang:en score:20 filesize: 1.04 M page_count: 2 document date: 2016-11-14