

NOKTA DETECTION TECHNOLOGIES 11000625

Nokta Simplex Ultra Metal Detector Kit User Manual

This manual provides comprehensive instructions for the Nokta Simplex Ultra Metal Detector Kit, covering assembly, operation, maintenance, and technical specifications for optimal performance.

Brand: NOKTA DETECTION TECHNOLOGIES | **Model:** 11000625

1. INTRODUCTION

The Nokta Simplex Ultra metal detector is designed for both beginners and experienced users, offering enhanced technical performance and a lightweight, fully waterproof design. This new generation series features all-new aesthetics and is waterproof up to 5 meters (16 feet), weighing only 1.2 kg (2.6 lbs). It provides quality metal detecting capabilities at an accessible price point, with various modes to suit different environments.

2. SETUP

2.1. Assembly

The Simplex Ultra features a durable carbon fiber shaft that retracts down to 25 inches (63 cm) for easy transport and storage. Assemble the shaft sections, attach the 11-inch search coil, and secure the control unit. Ensure all connections are firm and waterproof seals are properly seated before use, especially if operating in wet conditions.



Figure 1: Fully assembled Nokta Simplex Ultra Metal Detector.

2.2. Initial Power On and Ground Balancing

To power on the device, hold the power button. The detector will display its version number upon startup. Before beginning your search, it is crucial to perform a ground balance to optimize performance for the specific ground conditions. Enter the ground balance menu, push and hold the designated button, then slowly move the search coil up and down until a stable beep is heard, indicating successful ground balancing. This process helps eliminate false signals from mineralized ground.

Your browser does not support the video tag.

Video 1: Demonstrates the power-on sequence and ground balancing procedure for the Nokta Simplex Ultra.

3. OPERATING YOUR METAL DETECTOR

3.1. Understanding the Display and Controls

The Simplex Ultra features a vivid color LCD screen that displays essential information. Key elements include the Target ID (VDI) section, which shows numerical values for detected targets, a sensitivity bar, a depth indicator, a mineralization bar, and the battery level. The control panel consists of several buttons for pinpointing, accepting/rejecting targets, power on/off, and navigating settings.



Figure 2: Detailed view of the control unit's display and buttons.

3.2. Search Modes

The detector offers five distinct search programs: Field, Park 1, Park 2, Beach, and All Metal. Each mode is optimized for different detecting environments and target types. For example, the Field mode is designed for deeper targets, while Beach mode is tailored for mineralized wet sand conditions. Select the appropriate mode based on your search location.

3.3. Adjusting Settings

Within the settings menu, you can adjust various parameters to fine-tune your detecting experience. These include: **Volume** (overall audio level), **Iron Volume** (adjusts the volume of ferrous targets), **Discrimination** (accepts or rejects specific target IDs), **Frequency Shift** (to reduce electromagnetic interference from other detectors or power lines), **Vibration** (for silent alerts), **Brightness** (display illumination), and **Backlight** (for low-light conditions).

Your browser does not support the video tag.

Video 2: Provides an overview of the various settings and modes available on the Nokta Simplex Ultra, including sensitivity and tone adjustments.

3.4. Target Identification and Depth

The Target ID (VDI) provides a numerical indication of the probable target material. While VDI can jump for deep or small targets, consistent readings help identify non-ferrous items. The depth bar indicates the approximate depth of the target, and the mineralization bar shows the level of ground mineralization, which can affect detection performance.

4. MAINTENANCE

4.1. Cleaning and Care

After each use, especially in wet or sandy conditions, clean your detector with a damp cloth. Ensure the search coil and all connections are free of debris. Avoid using harsh chemicals or abrasive materials that could damage the unit. The device is waterproof, but proper cleaning helps maintain its longevity.

4.2. Battery Management

The Nokta Simplex Ultra uses a Lithium Polymer battery (included). Easily charge it with a USB charger or power bank. Monitor the battery level indicator on the display to ensure sufficient power for your detecting sessions. Regular charging and avoiding complete discharge will prolong battery life.



Figure 3: The Simplex Ultra can be conveniently charged using a USB cable.

4.3. Storage

Store the detector in a cool, dry place away from direct sunlight and extreme temperatures. The carbon fiber shaft's retractability makes it convenient for compact storage.

5. TROUBLESHOOTING

If you encounter issues with your Nokta Simplex Ultra, consider the following:

- **False Signals:** Ensure proper ground balancing for the current terrain. Adjust sensitivity settings if operating in highly mineralized areas or near sources of electromagnetic interference.
- **No Power:** Check battery level and ensure the device is fully charged. Verify that the power button is pressed and held correctly.
- **Interference:** Utilize the Frequency Shift function if experiencing interference from other detectors or electrical sources.

- **Performance Issues:** Stay up-to-date with online firmware updates (via USB on PC) to ensure optimal performance and access to the latest features.

6. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	NOKTA DETECTION TECHNOLOGIES
Color	Black
Batteries Required?	Yes (1 Lithium Polymer battery included)
Material	Carbon Fiber
Power Source	Battery Powered
Item Weight	3 Pounds
Product Dimensions	52"L x 25"W x 52"H
Adjustable Length	Yes
Manufacturer	NOKTA DETECTION TECHNOLOGIES
Search Coil Size	11 Inches
Item Model Number	11000625

7. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official NOKTA DETECTION TECHNOLOGIES store or contact their customer service directly. Keep your proof of purchase for any warranty claims.

Visit the [NOKTA DETECTION TECHNOLOGIES Store](#) for more information and support resources.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question