

NOKTA DETECTION TECHNOLOGIES 11000629

Nokta Simplex Ultra WHP Metal Detector Set Instruction Manual

Model: 11000629

INTRODUCTION

This manual provides detailed instructions for the assembly, operation, maintenance, and troubleshooting of your Nokta Simplex Ultra WHP Metal Detector Set. This set includes the Nokta Simplex Ultra Metal Detector and the Nokta Pointer Pinpointer, designed for efficient and effective metal detection on land and underwater. Please read this manual thoroughly before using your device to ensure proper function and longevity.

PRODUCT COMPONENTS

Your Nokta Simplex Ultra WHP Metal Detector Set typically includes the following items:

- Nokta Simplex Ultra Metal Detector (Control Unit, Carbon Fiber Shaft, Search Coil)
- Nokta Pointer Pinpointer
- Bluetooth aptX Low Latency Wireless Headphones
- Headphones Soft Case
- USB Charging Cable
- User Manual (this document)



Figure 1: The Nokta Simplex Ultra metal detector with its control unit and search coil.



Figure 2: The Nokta Pointer, a waterproof pinpointer for precise target location.



Figure 3: The included Bluetooth aptX Low Latency headphones for wireless audio.

SETUP

1. Assembly of the Metal Detector

1. **Attach the Search Coil:** Securely fasten the search coil to the lower shaft using the provided bolt and washers. Ensure it is tight but do not overtighten.
2. **Connect the Shaft Sections:** Extend the carbon fiber shaft sections. The Simplex Ultra features a retractable shaft for compact storage and transport. Ensure all sections are locked into place for stable operation.
3. **Mount the Control Unit:** Slide the control unit onto the upper shaft. Adjust its position for comfortable viewing and access to controls.
4. **Wrap the Coil Cable:** Carefully wrap the search coil cable around the shaft, ensuring it is not too tight or loose, and plug it into the designated port on the control unit.
5. **Adjust Length:** Adjust the overall length of the shaft to a comfortable height for your detecting posture. The shaft can be adjusted up to 52 inches (132 cm) and retracts down to 25 inches (63 cm).

2. Charging the Devices

Both the metal detector and the wireless headphones are powered by rechargeable Lithium Polymer batteries.

- **Metal Detector:** Connect the USB charging cable to the charging port on the control unit and to a USB power adapter or power bank. The charging indicator will show the charging status.
- **Wireless Headphones:** Connect the USB charging cable to the charging port on the headphones and to a USB power adapter or power bank. Refer to the headphone's specific instructions for charging indicators.

Ensure devices are fully charged before first use for optimal battery life.

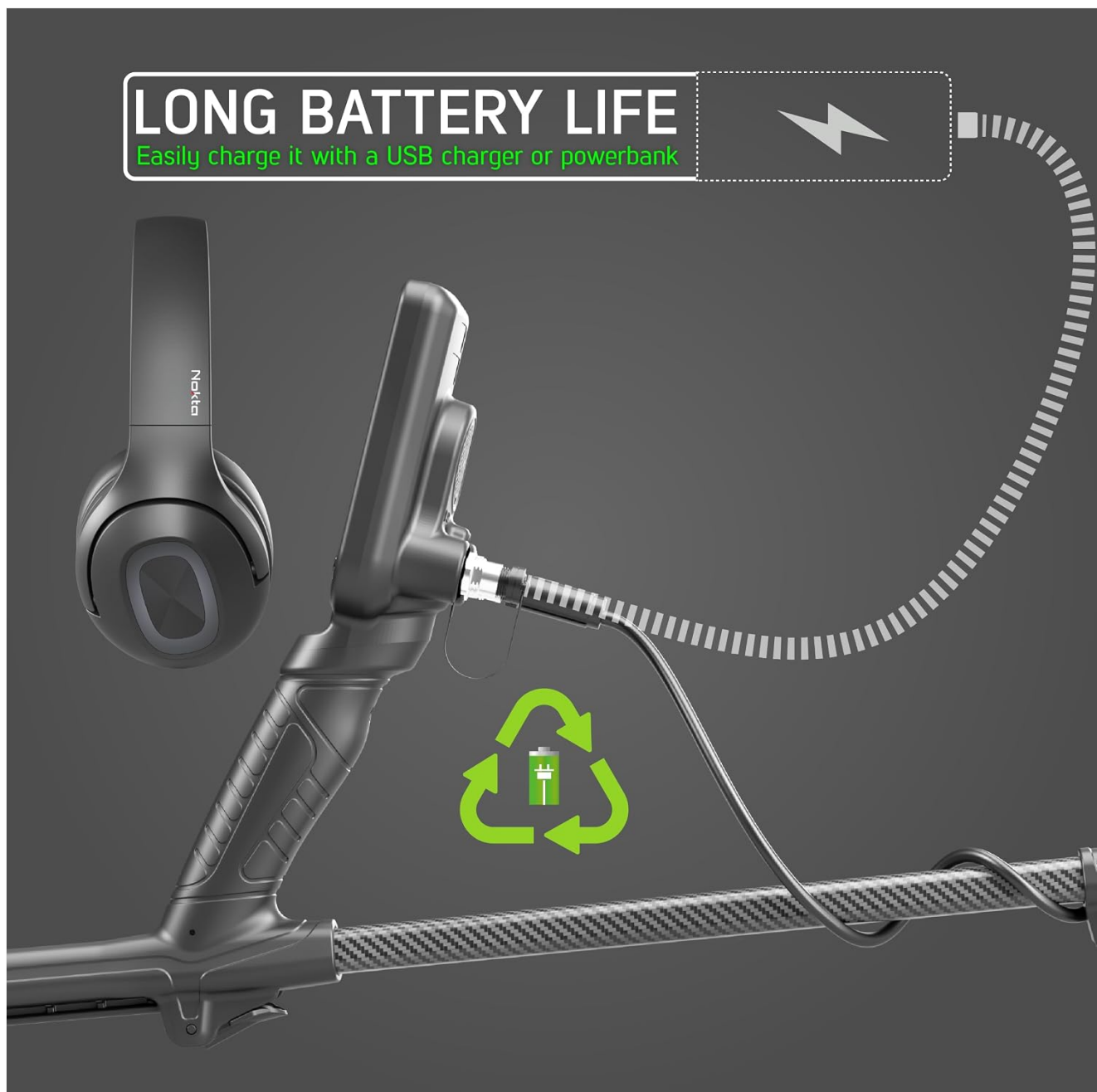


Figure 4: The Nokta Simplex Ultra metal detector being charged via a USB cable.

3. Pairing Wireless Headphones

The Nokta Simplex Ultra WHP model includes Bluetooth aptX Low Latency headphones for wireless audio.

1. Ensure both the metal detector and headphones are powered on and charged.
2. Activate Bluetooth pairing mode on the headphones (refer to headphone manual for specific steps, usually involves holding a power or pairing button).
3. On the Simplex Ultra control unit, navigate to the Bluetooth settings menu.
4. Select "Pair Device" and choose the headphones from the list of available devices.
5. Once paired, audio from the detector will be transmitted wirelessly to the headphones.

OPERATING INSTRUCTIONS

1. Powering On/Off

- **To Power On:** Press and hold the Power button on the control unit until the display illuminates.

- **To Power Off:** Press and hold the Power button until the device shuts down.

2. Basic Metal Detector Operation

The Simplex Ultra offers various search modes and settings. Familiarize yourself with the control unit's buttons and display.

- **Search Modes:** Select an appropriate search mode (e.g., Field, Park, Beach, All Metal) based on your detecting environment. Each mode is optimized for different ground conditions and target types.
- **Ground Balance:** Perform ground balance to eliminate false signals from mineralized soil. Follow the on-screen prompts for automatic or manual ground balancing.
- **Sensitivity:** Adjust the sensitivity level. Higher sensitivity can detect smaller or deeper targets but may also increase ground noise.
- **Discrimination:** Use discrimination settings to filter out unwanted trash metals. Be cautious not to discriminate too much, as valuable targets can sometimes be missed.
- **Sweeping the Coil:** Hold the search coil parallel to the ground and sweep it slowly from side to side, overlapping each sweep. Maintain a consistent height above the ground.
- **Target Indication:** When a target is detected, the device will provide an audio tone and visual indication on the LCD screen, often including a Target ID number.



Figure 5: Two individuals using Nokta Simplex Ultra metal detectors in a field.

3. Using the Nokta Pointer Pinpointer

The Nokta Pointer is used to precisely locate targets after they have been detected by the main metal detector.

1. **Power On:** Press the power button on the pinpointer.
2. **Calibrate:** Hold the pinpointer away from any metal objects and press the power button briefly to recalibrate if needed.
3. **Scan:** Once a target area is identified with the metal detector, turn off the main detector and use the pinpointer to narrow down the target's exact location in the soil.
4. **Indication:** The pinpointer will emit audio and/or vibrate with increasing intensity as it gets closer to the target.
5. **Waterproof Use:** The Nokta Pointer is fully waterproof and can be used for underwater target recovery.

4. Underwater and Low Visibility Use

The Simplex Ultra is fully waterproof up to 16 ft (5 m). It features an LCD backlight, keypad backlight, and an LED flashlight for use in low light conditions or underwater.

- Ensure all connections are secure and waterproof seals are intact before submerging the device.
- Activate the backlight and flashlight as needed through the control unit's menu.
- When detecting underwater, consider using the vibration mode on the pinpointer for tactile feedback.

MAINTENANCE

1. Cleaning

- After each use, especially in wet or sandy conditions, clean the search coil and shaft with fresh water.
- Wipe the control unit with a damp cloth. Do not use abrasive cleaners or solvents.
- Ensure all components are dry before storage.

2. Storage

- Store the metal detector in a cool, dry place.
- The carbon fiber shaft retracts to 25 inches (63 cm) for easy transport and compact storage.
- Charge the batteries periodically if storing for extended periods to maintain battery health.

3. Firmware Updates

Nokta provides online firmware updates to enhance performance and add new features.

1. Visit the official Nokta Detection Technologies website for the latest firmware.
2. Download the update software to your PC.
3. Connect your Simplex Ultra metal detector to your PC via a USB cable.
4. Follow the instructions provided with the firmware update software to complete the update process.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low or depleted battery.	Charge the device fully using the provided USB cable.
No sound from headphones.	Headphones not paired or low battery; volume too low.	Ensure headphones are charged and correctly paired. Check volume settings on both the detector and headphones.

Problem	Possible Cause	Solution
Excessive false signals.	Improper ground balance; high sensitivity; electromagnetic interference.	Perform ground balance. Reduce sensitivity. Move away from power lines or other electronic devices.
Pinpointer not detecting accurately.	Needs recalibration; low battery.	Recalibrate the pinpointer away from metal. Check pinpointer battery level.

SPECIFICATIONS

Feature	Detail
Brand	NOKTA DETECTION TECHNOLOGIES
Model Number	11000629
Item Weight	2.6 Pounds (1.2 kg)
Product Dimensions	22.83"L x 5.11"W x 11.41"H (folded)
Extended Length	52 Inches (132 cm)
Adjustable Length	Yes
Material	Carbon Fiber
Power Source	Battery Powered (1 Lithium Polymer battery included)
Waterproof Rating	IP65 (fully waterproof up to 16 ft / 5 m)
Headphones	Bluetooth aptX Low Latency Wireless Headphones

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official Nokta Detection Technologies website or the warranty card included with your product. Warranty terms and conditions may vary by region and purchase date. For technical support, service, or additional inquiries, please contact Nokta Detection Technologies directly through their official website or authorized service centers.

Official Website: www.noktadetectors.com