



INDUCTION
BALANCE
TECHNOLOGY

NEXUS PATHFINDER V3



User Guide

Comprehensive owner's instruction manual for operation.



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General Description

The Nexus Pathfinder V3 is a two box / twin box metal detector based on induction balance VLF technology.

Manual adjustment of the settings allows fine tuning for peak search efficiency of this non-motion metal detector.

It provides extreme depth capability and an exceptional ability to completely ignore iron objects such as wires and nails up to 15 cm. The system ensures peak performance on iron contaminated sites.

The mechanical construction consists of pure Carbon Fibre parts, designed to achieve extreme mechanical stability with very low weight.

The complete detector is constructed in 4 separate parts - A two part holding frame, handle and two search coils. The parts fit together easily, quickly and the unit is ready for use.

Connections

TX coil connector

RX coil connector

Headphone socket

On board loudspeaker

Battery charger socket

Internal lithium - Ion battery pack, permanently installed in the control box.

Smart Lithium-Ion battery charger included.

Control Functions



Power on/off combined with a Volume control

Turn the detector on or off. Set the volume of the speaker.

Threshold

Adjust the threshold for operation.

Meter Balance

This control sets the LED meter starting point.

Meter Brightness

Set how bright the LEDs are.

Battery Test

Check battery voltage from 12.3 V to 16 V.

Set Up Procedure



1. Turn the detector on from the volume control. Set the volume to a comfortable level.



3.

2. Lower the search coils as low as possible to the ground, but do not rest the search coils on the ground while adjusting the detector.

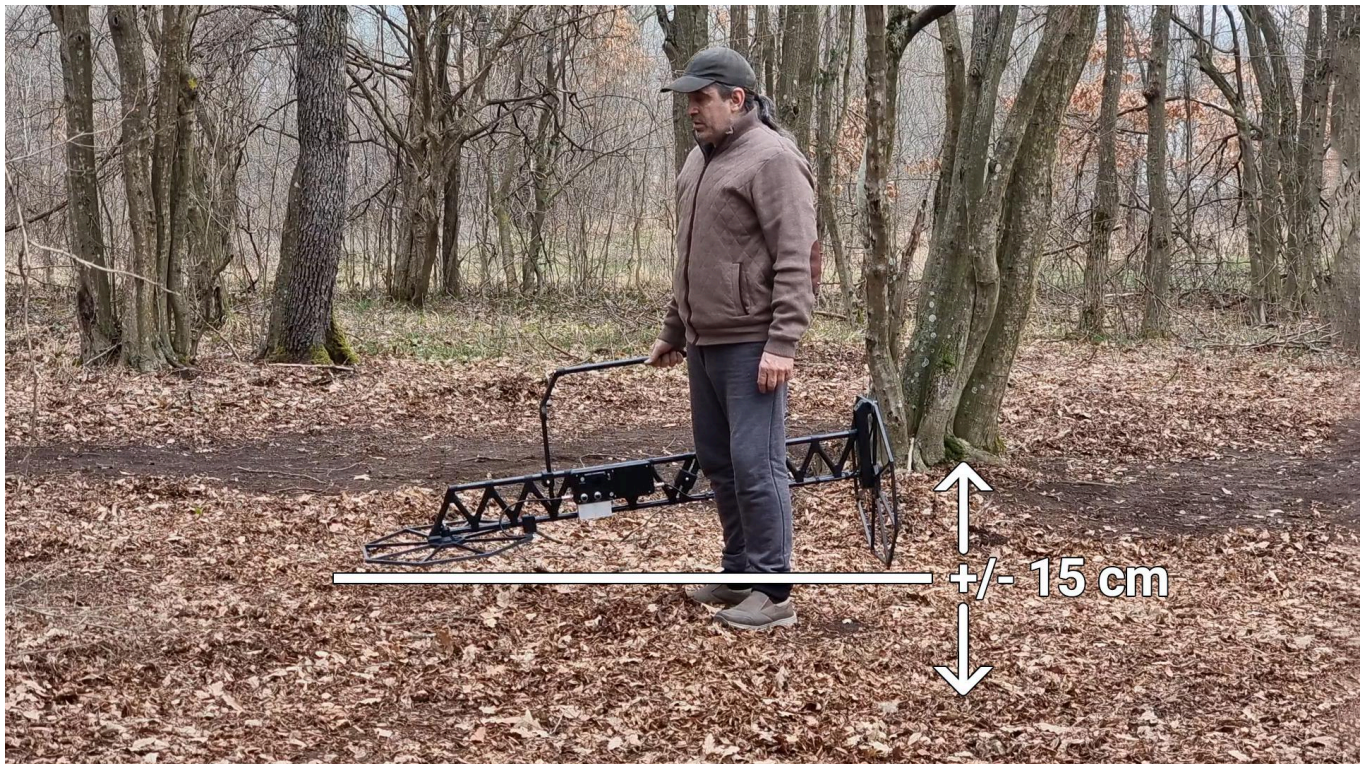


3. While holding the detector close to the ground, set the Threshold to a low audible level. The Threshold has to be slightly audible at all times.



4. Set the Meter balance so that the first led is on.

5. You are ready to go.



5.

It is important to remember that the search coil height position above ground during the settings procedure is the working height of the detector after the settings are complete. Deviation allowance from the set working height is +/-15 cm.

Target identification.

Visual

The Red LED meter indicates presence of non-ferrous metal targets.

Sound

The VCO tones sound high for non-ferrous metals and low for ferrous (iron).

The Pathfinder V3 can completely ignore iron objects such as wires and nails of size up to 15 cm.

Do not use in wet weather. The detector can be used on wet soil, but should not be exposed to moisture.

Technical Specification

Search coils size: 20 inch, hexagonal loops for both receiving and transmitting.

Operating frequency: 5.7 kHz

Weight of complete unit: 3.9 kg.

Detector length: 162 cm.

Construction: Modular, collapsible in 4 parts for easy transport.

The detector can be disassembled to 4 basic components - two coils and two parts of the holding frame.

Battery: Lithium-Ion pack. Aprox. 20 hrs work per full charge.