

Teknetics ETEK-SKD

Teknetics EuroTek Metal Detector User Manual

Model: ETEK-SKD

1. INTRODUCTION

Welcome to the Teknetics EuroTek Metal Detector user manual. This guide provides essential information for the proper assembly, operation, maintenance, and troubleshooting of your new metal detector. The EuroTek is designed for both beginners and experienced hobbyists, offering precise target identification and versatile performance in various environments.

Please read this manual thoroughly before using your detector to ensure optimal performance and longevity of the device.

2. SAFETY INFORMATION

Always prioritize safety when using your metal detector. Adhere to the following guidelines:

- **Respect Property Rights:** Always obtain permission before searching on private property.
- **Avoid Hazardous Areas:** Do not use the detector near underground cables, gas lines, or other utilities. Be aware of your surroundings.
- **Eye Protection:** Wear appropriate eye protection when digging to prevent injury from debris.
- **Battery Safety:** Use only recommended batteries. Do not mix old and new batteries, or different types of batteries. Dispose of batteries responsibly.
- **Weather Conditions:** Avoid using the control housing in heavy rain. The search coil is waterproof, but the control unit is not.

3. PACKAGE CONTENTS

Upon opening your Teknetics EuroTek package, please verify that all the following components are present:

- Teknetics EuroTek Control Housing
- 8-Inch Concentric Waterproof Search Coil
- Upper Stem with Armrest
- Lower Stem

- Stem Locking Collars
- Search Coil Bolt and Wing Nut
- User Manual

4. ASSEMBLY INSTRUCTIONS

Follow these steps to assemble your Teknetics EuroTek Metal Detector:

1. **Attach the Search Coil:** Insert the lower stem into the search coil yoke. Align the holes and secure with the provided bolt and wing nut. Ensure it is snug but allows for slight angle adjustment.
2. **Connect Stems:** Slide the lower stem into the upper stem. Adjust the length to a comfortable position and secure it with the locking collar.
3. **Mount the Control Housing:** Slide the control housing onto the upper stem. Ensure it clicks securely into place.
4. **Install Batteries:** Open the battery compartment on the back of the control housing. Insert one 9V alkaline battery, observing the polarity markings. Close the compartment securely.
5. **Wrap the Cable:** Carefully wrap the search coil cable around the stem, leaving enough slack near the coil for angle adjustment. Plug the coil connector into the corresponding port on the control housing.
6. **Adjust Armrest:** Position the armrest for comfortable use.



Figure 1: Fully assembled Teknetics EuroTek Metal Detector.

5. CONTROLS AND DISPLAY OVERVIEW

The Teknetics EuroTek features an intuitive control panel and LCD display for easy operation.



Figure 2: Close-up view of the EuroTek control panel.

5.1. LCD Display

- **SENS (Sensitivity):** Indicates the current sensitivity level. Higher sensitivity increases detection depth but can also increase interference.
- **DISC (Discrimination):** Shows the current discrimination level. This setting allows you to filter out unwanted metals (e.g., iron).
- **Target ID (VDI Numbers):** A two-digit number (0-99) that helps identify the probable type of metal detected. Different metals produce different VDI ranges.
- **Battery Indicator:** Displays the remaining battery life. Replace batteries when the indicator shows low power.

5.2. Control Buttons

- **Power Button ():** Press to turn the detector ON or OFF.
- **MENU Button:** Used to cycle through adjustable settings (Sensitivity, Discrimination).
- **PLUS (+) Button:** Increases the value of the selected setting.
- **MINUS (-) Button:** Decreases the value of the selected setting.

6. OPERATING INSTRUCTIONS

6.1. Powering On and Initial Setup

1. Press the Power button () to turn on the detector.

2. The detector will perform a brief self-test.
3. **Adjust Sensitivity (SENS):** Press the MENU button until SENS is displayed. Use the PLUS (+) and MINUS (-) buttons to adjust the sensitivity. Start with a moderate level and increase it gradually until you hear occasional false signals, then reduce it slightly.
4. **Adjust Discrimination (DISC):** Press the MENU button until DISC is displayed. Use the PLUS (+) and MINUS (-) buttons to set the discrimination level. A higher DISC setting will filter out more ferrous (iron) targets, but may also cause you to miss some desirable targets.

6.2. Understanding Target Identification

The EuroTek provides a two-digit VDI (Visual Discrimination Indicator) number on the LCD display to help identify detected targets. Lower numbers typically indicate ferrous metals, while higher numbers suggest non-ferrous metals like coins or jewelry. Familiarize yourself with common VDI ranges for targets you wish to find.

6.3. Audio Tones

The detector produces distinct audio tones for different types of metals. Generally, low tones indicate ferrous targets, and higher tones indicate non-ferrous targets. Pay attention to these audio cues as they provide valuable information about the detected object.

6.4. Sweeping Technique

Hold the detector with the search coil parallel to the ground, approximately 1-2 inches above the surface. Sweep the coil slowly from side to side in overlapping arcs. Maintain a consistent speed and height for best results. When a target is detected, the VDI number will appear, and an audio tone will sound.



Figure 3: The waterproof search coil allows for detection in shallow water.

6.5. Using the Waterproof Search Coil

The 8-inch concentric search coil is waterproof, allowing for detection in shallow water, wet sand, and other damp environments. Ensure the control housing remains dry, as it is not waterproof. After use in water, rinse the coil with fresh water and dry thoroughly.

7. MAINTENANCE

Proper maintenance will extend the life and performance of your Teknetics EuroTek Metal Detector.

- **Cleaning:** Wipe down the search coil and stem with a damp cloth after each use. Avoid harsh chemicals. Keep the control housing clean and dry.
- **Battery Care:** Remove batteries if the detector will not be used for an extended period to prevent leakage.
- **Storage:** Store the detector in a cool, dry place. Avoid extreme temperatures.
- **Cable Inspection:** Periodically check the search coil cable for any signs of wear or damage.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Detector does not power on.	Dead or incorrectly installed battery.	Replace with a fresh 9V alkaline battery, ensuring correct polarity.
Erratic signals or false alarms.	High sensitivity setting, electromagnetic interference (EMI), mineralized ground.	Reduce sensitivity. Move away from power lines, cell phones, or other electronic devices. Sweep slower.
Poor detection depth.	Low sensitivity, incorrect sweep speed, small target size.	Increase sensitivity. Ensure consistent, slow sweep. Target size affects depth.
Volume is too loud.	The EuroTek does not have a built-in volume control.	Use headphones with their own volume control for comfortable listening.
Inaccurate depth indicator.	Depth indicators are approximations and can vary based on target size, shape, and ground conditions.	Use the depth indicator as a general guide. Practice with known targets to understand its behavior.

If the problem persists after attempting these solutions, please contact Teknetics customer support.

9. SPECIFICATIONS

Key technical specifications for the Teknetics EuroTek Metal Detector (Model ETEK-SKD):





Feature	Detail
Brand	Teknetics
Model Number	ETEK-SKD



Feature	Detail
Search Coil	8-inch Concentric, Waterproof
Power Source	1 x 9V Battery (required)
Item Weight	2.4 Pounds (approx. 1.09 kg)
Product Dimensions	50.5"L x 8"W x 5"H (approx. 128.3cm L x 20.3cm W x 12.7cm H)
Adjustable Length	Yes
Material	ABS Plastic
International Protection Rating	IP65 (Control housing is not waterproof)

10. WARRANTY AND CUSTOMER SUPPORT

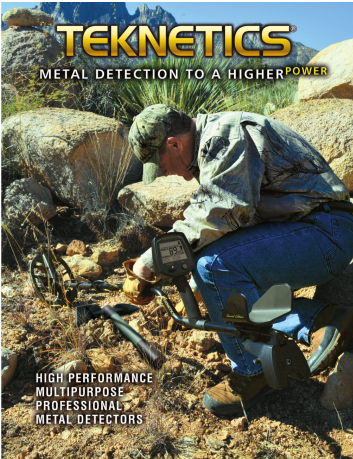
Teknetics products are known for their quality and reliability. The Teknetics EuroTek Metal Detector typically comes with a 5-year limited warranty, covering defects in materials and workmanship under normal use. Please refer to the warranty card included with your product for specific terms and conditions. For technical assistance, warranty claims, or general inquiries, please contact Teknetics customer support through their official website or the contact information provided in your product packaging. When contacting support, please have your model number (ETEK-SKD) and purchase date available.

Related Documents - ETEK-SKD

	Teknetics Eurotek Pro Metal Detector Owner's Manual Comprehensive owner's manual for the Teknetics Eurotek Pro metal detector, covering assembly, operation, features like Target-ID and Pinpoint Mode, troubleshooting, and accessories.
	Teknetics Eurotek Metal Detector Owner's Manual Comprehensive owner's manual for the Teknetics Eurotek Metal Detector, detailing assembly, operation, basic metal detecting principles, troubleshooting, and available accessories for treasure hunting enthusiasts.
	Teknetics Eurotek Pro Metal Detector Owner's Manual - Features, Operation, and Troubleshooting Comprehensive owner's manual for the Teknetics Eurotek Pro metal detector. Learn about its features, operation, assembly, troubleshooting, and accessories. Includes detailed guides on discrimination, pinpointing, and target identification.
	Teknetics Omega 8000 Metal Detector Owner's Manual Comprehensive owner's manual for the Teknetics Omega 8000 metal detector. Covers assembly, operation, controls, features like Ground Balancing and Discrimination, search techniques, troubleshooting, warranty, and accessories. Learn how to use your metal detector effectively for treasure hunting.

	<p>Teknetics Gamma 6000 Metal Detector Owner's Manual</p> <p>Comprehensive owner's manual for the Teknetics Gamma 6000 metal detector, covering assembly, operation, features, troubleshooting, and warranty information.</p>
	<p>Teknetics Gamma 6000 Metal Detector Owner's Manual</p> <p>Comprehensive owner's manual for the Teknetics Gamma 6000 Metal Detector, covering assembly, operation, troubleshooting, and accessories. Learn how to use your detector effectively for treasure hunting.</p>

Documents - Teknetics – ETEK-SKD

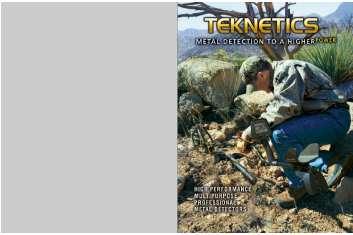


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