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Teknetics Gamma 6000

Teknetics Gamma 6000 Metal Detector User Manual

Model: Gamma 6000

1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your Teknetics Gamma 6000 Metal Detector. Please read this manual thoroughly before using the device to ensure proper function and to maximize your detecting experience.



Image: A person operating the Teknetics Gamma 6000 metal detector in an outdoor environment near a stream, demonstrating typical usage.

2. COMPONENTS OVERVIEW

The Teknetics Gamma 6000 Metal Detector consists of several key components designed for efficient and comfortable operation:

- **Control Housing:** Contains the LCD display, control buttons, and electronics.
- **Adjustable Stem:** Allows for length adjustment to suit user height.

- **Padded Armrest:** Provides comfort and stability during use.
- **8-inch Searchcoil:** The primary detection component, designed for accuracy and sensitivity.
- **Searchcoil Cable:** Connects the searchcoil to the control housing.



Image: The fully assembled Teknetics Gamma 6000 metal detector, showing the searchcoil, adjustable stem, armrest, and control housing.

3. ASSEMBLY AND INITIAL SETUP

1. **Assemble the Stem:** Connect the lower, middle, and upper stem sections. Ensure the locking collars are tightened.
2. **Attach Searchcoil:** Secure the 8-inch searchcoil to the lower stem using the provided bolt and nut.
3. **Mount Control Housing:** Slide the control housing onto the upper stem. Adjust its position for comfortable viewing and access to controls.
4. **Wrap Cable:** Carefully wrap the searchcoil cable around the stem, ensuring it is snug but not overly tight, to prevent tangling and false signals. Plug the cable connector into the port on the control housing.
5. **Install Batteries:** The Gamma 6000 requires one 9V battery. Open the battery compartment on the control housing, insert the battery with correct polarity, and close the compartment securely.
6. **Adjust Armrest:** Position the armrest for a comfortable fit on your forearm.

4. OPERATING INSTRUCTIONS

Familiarize yourself with the control panel and display before beginning operation.



Image: A close-up view of the Teknetics Gamma 6000's LCD display and control buttons, showing menu options and target identification features.

4.1 Power On/Off

Press and hold the power button located on the control panel to turn the detector on or off.

4.2 Control Panel and Display

The LCD screen provides visual information, while the buttons allow for mode selection and setting adjustments.

- **MENU Button:** Accesses various settings such as Sensitivity, Discrimination Level, Notch, Number of Tones, and Volume.
- **MODE Button:** Toggles between detection modes: DISCRIMINATE, PINPOINT, ALL METALS, and GROUND GRAB.
- **Arrow Buttons (+/-):** Adjust selected settings up or down.
- **Target-ID (I.D.):** A two-digit numeric readout on the display that helps identify the probable type of metal detected.
- **Depth Indicator:** Estimates the depth of coin-sized objects.

4.3 Detection Modes

- **DISCRIMINATE Mode:** Allows the user to ignore unwanted metals (e.g., iron) and focus on specific target types. Adjust the discrimination level using the MENU and arrow buttons.
- **ALL METALS Mode:** Detects all types of metal without discrimination. This mode offers maximum depth and sensitivity.
- **PINPOINT Mode:** Used to precisely locate the exact position of a detected target before digging.

4.4 Key Settings

- **Sensitivity:** Adjusts the detector's responsiveness to targets. Higher sensitivity increases detection depth but can also increase susceptibility to electrical interference and ground mineralization.
- **Ground Grab Computerized Ground Balancing:** This feature automatically calibrates the detector to the specific soil conditions, reducing interference from mineralized ground. Activate via the MODE button and follow on-screen prompts. Always check the mineralization readout for optimal performance.
- **Notch Filter:** Allows for specific ranges of target IDs to be accepted or rejected, providing fine-tuned discrimination.
- **Multi-Tone Audio:** The detector provides different audio tones for various metal types, aiding in target identification without looking at the display. The number of tones can be adjusted.
- **Volume:** Adjusts the audio output level.

5. MAINTENANCE

- **Cleaning:** Wipe down the detector with a damp cloth after each use. Avoid abrasive cleaners or solvents.
- **Storage:** Store the detector in a dry, cool place. Remove batteries if storing for extended periods to prevent leakage.
- **Searchcoil Care:** The searchcoil is waterproof, but the control housing is not. Avoid submerging the control housing.
- **Cable Inspection:** Regularly check the searchcoil cable for any signs of wear or damage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Detector chirps or gives false signals constantly.	High sensitivity, electromagnetic interference, or improper ground balance.	Reduce sensitivity. Perform Ground Grab. Move away from power lines or other electronic devices.
Detector does not power on.	Dead or incorrectly installed battery.	Replace the 9V battery. Ensure correct polarity.
Settings are not retained after power off.	This model may reset some settings to default upon power cycle.	Re-adjust desired settings after powering on. Note down preferred settings for quick setup.

Problem	Possible Cause	Solution
Poor detection depth or accuracy.	Incorrect ground balance, low battery, or high discrimination.	Perform Ground Grab. Replace battery. Reduce discrimination level or switch to ALL METALS mode.

7. SPECIFICATIONS

- **Brand:** Teknetics
- **Model:** Gamma 6000
- **Searchcoil Size:** 8 inches
- **Operating Frequency:** 7.69 kHz
- **Power Source:** 1 x 9V Battery (required)
- **Material:** ABS Plastic
- **Item Weight:** 3.5 Pounds (approximately 1.59 kg)
- **Product Dimensions:** 11.25 x 6.5 x 40 inches (assembled, approximate)
- **Adjustable Length:** Yes
- **International Protection Rating:** IP54 (Dust protected, splash resistant)
- **UPC:** 089723120059

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact Teknetics customer service directly. Refer to the official Teknetics website or product packaging for the most current contact details.

Online Resources: Visit the official Teknetics website for additional resources, FAQs, and product updates.

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Related Documents - Gamma 6000

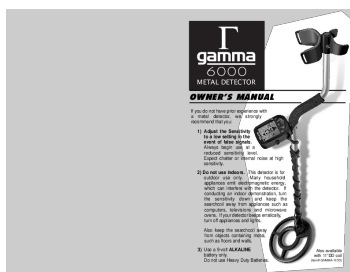


[Teknetics Gamma 6000 Metal Detector Owner's Manual](#)

Comprehensive owner's manual for the Teknetics Gamma 6000 metal detector, covering assembly, operation, features, troubleshooting, and warranty information.

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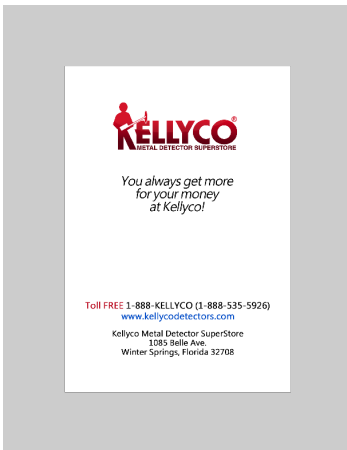


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Gebruiksaanwijzing

Gamma 6000 Teknetics



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Gebruiksaanwijzing Teknetics IDC Kooistra Detector Portal Stel de Sensitivity gevoeligheid in op een lage stand om valse signalen te voorkomen Doe dit altijd wanneer u begint met zoeken U kunt teknetics gamma 6000 detectorportal eu files manuals |||

Kooistra- Detectors 2009 Gebruiksaanwijzing **Gamma 6000** Teknetics 1 Kooistra- Detectors 2009 Snelle start: 1. Zet de detector aan. 2. Mode moet in disc staan. 3. Druk op menu zet sens op 5 4. Zet in menu disc op 40 5. Zet volume in menu stand, op de juiste hoogte voor u gevoel. 6. Druk op menu om...

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gamma 6000 METAL DETECTOR

OWNER'S MANUAL

If you do not have prior experience with a metal detector, we strongly recommend that you:

- 1) **Adjust the Sensitivity to a low setting in the event of false signals.** Always begin use at a reduced sensitivity level. Expect chatter or internal noise at high sensitivity.
- 2) **Do not use indoors.** This detector is for outdoor use only. Many household appliances emit electromagnetic energy, which can interfere with the detector. If conducting an indoor demonstration, turn the sensitivity down and keep the searchcoil away from appliances such as computers, televisions and microwave ovens. If your detector beeps erratically, turn off appliances and lights.

Also keep the searchcoil away from objects containing metal, such as floors and walls.

- 3) **Use a 9-volt ALKALINE battery only.** Do not use Heavy Duty Batteries.

Also available with 11TDD coil (model G-6000A-11TDD)



[Teknetics Gamma 6000 Metal Detector Owner's Manual](#)

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.

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1742209622 inchThe 6000 will detect coin sized object like quarter to distance of about 11 28cm from the searchcoil at maximum sensitivity Teknetics fFHn7RBOLyEsFFkClopticsplanet AfmBOoqHAUQXCM3VdD0Qrs0 UJbCN5X3tGpp4Yqsl198MG4rYtNOjmlTcdn UJbCN5X3tGpp4Yqsl198MG4rYtNOjmlTopticsplanet AfmBOorNag7IEMfsazj1JpcVx3fM909FcSBUHsutP3GBw 774TweRG2Ncdn 774TweRG2Nopticsplanet AfmBOorC33UyJOW9TX3FjNj96oEatSR4yfiolMS0yobCi8epzp auXV0cdn AfmBOoo9md3p98yQGO1Tlim8DzHPICwudxRSc1Tbcz2xV2q1YJuQalZUopticsplanet AfmBOoq9D JL8TPyKzluA4NG2goBzWbYvkQ 5glJK eBF2 MVH3EUheXopticsplanet sensitivity The AfmBOOpHXetg4mEiY4U0wOtcSbN0D0g6 ct rsiWZn1AeC 7GPH2boWopticsplanet sensitivityTeknetics AfmBOoqkPajlFZf9La1lcfQZvMXbFgyZr1uti5tkYVw23E3DT5HuyWmropticsplanet auXV0opticsplanet AfmBOorPRGIUrpE2yCVOElb2x0JRssJD0EgENTU5KmCupU0QBoE8paHlcdn AfmBOOpNdfgs1VmNoFJn icn4sFtQQ5UCtVH5MPbLQFk JxBHBawo5Veopticsplanet

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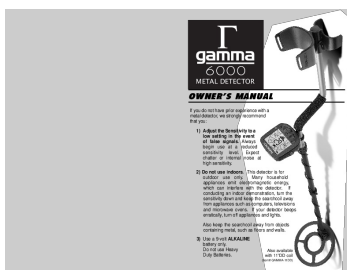
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Comprehensive owner's manual for the Teknetics Gamma 6000 metal detector, covering assembly, operation, features, troubleshooting, and warranty information.
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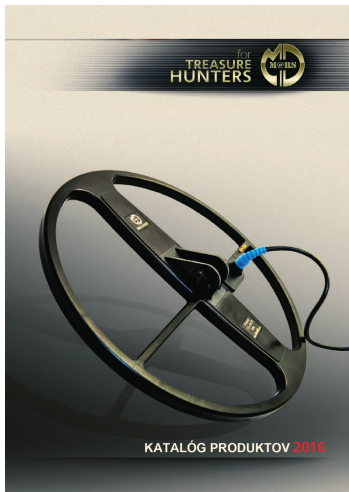
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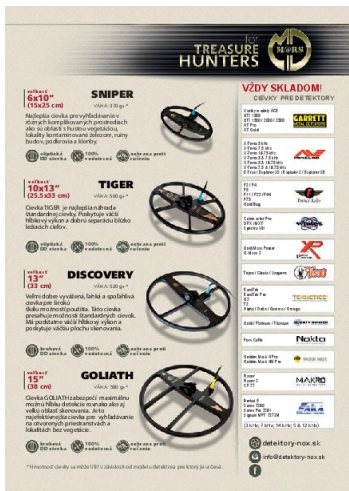


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