

GOLD X6 STINGER

Where **Professional** Power
Meets **Intelligent** Discovery

User Manual



7 Search
Systems



Gold & Metal
Detector



Depth Detect
System



Audio Sensitive
Headphones



2D Scan
Analyser



Multi Layer
Detection



Advanced
Settings



GOLD **STINGER**



www.stingerdetectors.com



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Introduction

About Stinger Detectors and Gold Stinger X6

GOLD X6 STINGER

With strong feedback from experts in the field of precious-metal exploration and buried-treasure detection, Stinger Detectors has developed a new generation of devices designed to meet the needs of all global markets and support wider international expansion. We are committed to delivering the highest quality and best-performing metal detectors for every category of prospector—from beginners taking their first steps to seasoned professionals working in demanding environments.

All Stinger Detectors products are engineered through a combination of practical field testing and rigorous theoretical research across every area of metal detection and treasure hunting. Feedback from professional prospectors around the world plays a key role in refining our designs and ensuring the most accurate and reliable results.

Stinger Detectors provides users with advanced, dependable technology for deep-treasure searching, ancient-coin recovery, archaeological exploration, and natural-gold prospecting. Our devices are built with unique features, straightforward installation, and an intuitive user experience, giving every prospector the confidence and capability to uncover hidden treasures with ease.



Stinger Detectors ensures that the Gold Stinger X6 delivers powerful detection performance with a maximum depth capability of up to 500 cm. This allows the device to locate deeply buried targets and valuable treasures with high accuracy, including gold, silver, bronze, statues, bullion, ancient coins, underground chambers, and tunnels. The X6 is engineered to provide reliable results even in challenging environments, giving prospectors confidence in every search

Disclaimer and Copyrights

Here is a refined, clearer, and more professional version of your Disclaimer and Copyrights sections, Hashem. The meaning stays the same, but the language is smoother, more authoritative, and suitable for a high-quality user manual.

Disclaimer

Stinger Detectors is not responsible for any use of its products that violates the laws or regulations of the country in which the device is operated. Customers are strongly advised to review and comply with all local laws regarding the ownership and use of metal-detection equipment.

Stinger Detectors, including its staff and authorized dealers, shall not be held liable for any damage resulting from improper operation of the device or incorrect interpretation of this user manual. Although Stinger Detectors devices are developed through scientific research and field testing, the company does not guarantee that the device will achieve results that match the user's specific expectations or intended purpose.

Stinger Detectors is not responsible for any misunderstanding of this manual or misuse of the device in any form.

Copyrights

The Gold Stinger X6 is protected by copyrights owned by Stinger Detectors. Stinger Detectors is the sole and exclusive manufacturer of the Gold Stinger X6. Reproducing, copying, or manufacturing this device—whether partially or fully—by any individual, company, or entity not authorized or affiliated with Stinger Detectors is strictly prohibited.

Any person or organization that violates these copyrights will be subject to legal action and liability.

For inquiries regarding copyrights, usage rights, or permission requests, please contact our team at:

info@stingerdetectors.com

For updates, news, and official announcements, visit our website:

www.StingerDetectors.us



Warnings

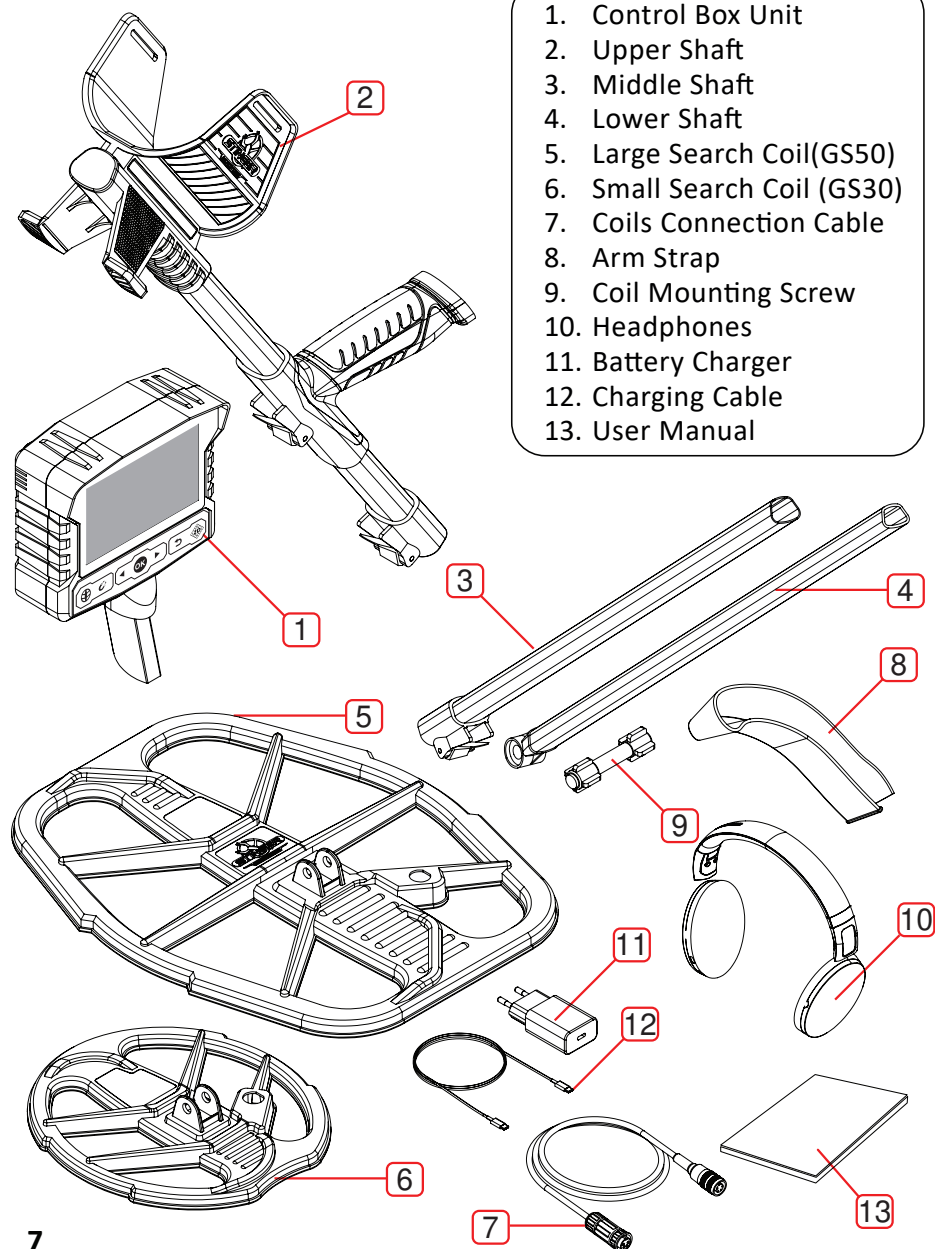
Warnings

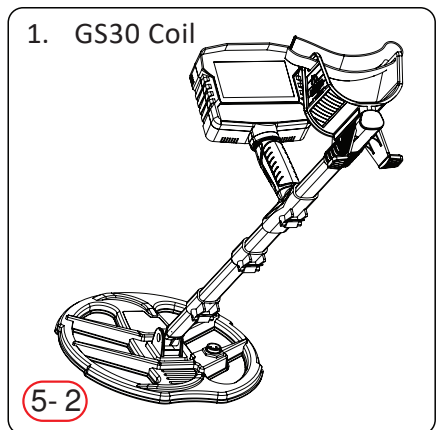
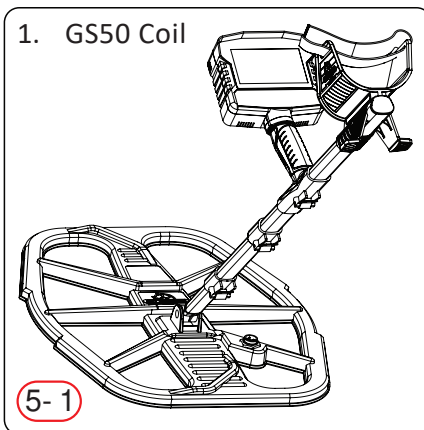
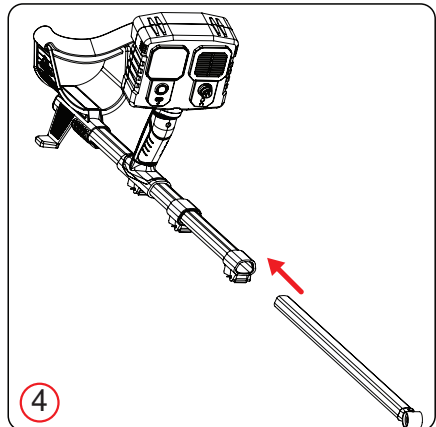
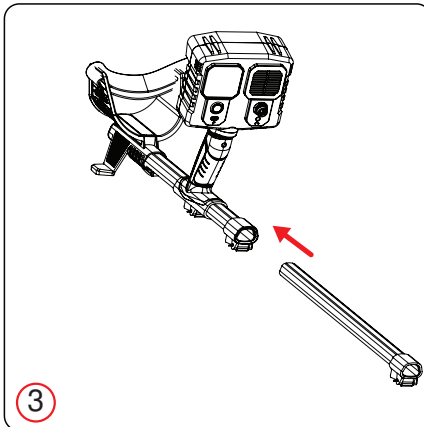
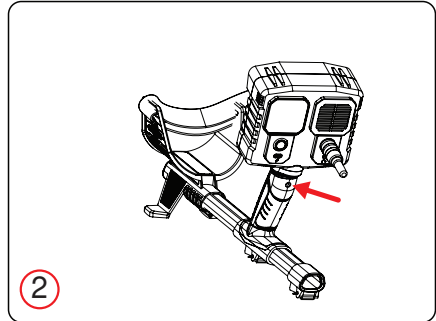
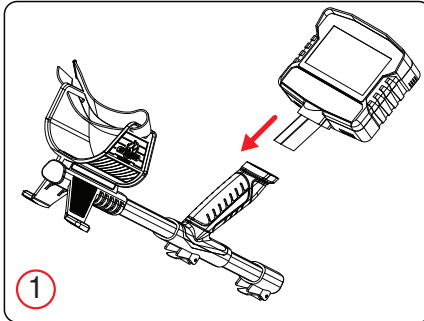
1. Do not operate or install the device without first reading the user manual or the quick start guide. Proper understanding of the instructions ensures safe and correct use.
2. Do not begin searching without correctly setting the ground balance. Incorrect ground balancing can cause significant discrimination errors, especially in Discrimination Mode. Make sure to review the important notes regarding ground balance before use.
3. Protect the device's primary coils from harsh conditions, including extreme heat, strong impacts, or sudden shocks, to maintain optimal performance and longevity.
4. Do not expose the battery to high temperatures and do not use any charger other than the one supplied with the device. Using unauthorized chargers may damage the battery or reduce its lifespan.
5. Protect the device screen from water and high temperatures, and avoid exposing the main control panel to shocks or impacts.
6. To maintain long-term battery health, it is recommended to charge the battery at least once per month, even if the device is not in use.
7. When installing a coil, wrap the coil cable neatly around the shafts. Do not apply excessive force during assembly or operation to avoid damaging connectors or cables.
8. The Gold Stinger X6 may occasionally identify certain non-precious metals as gold, especially metals that have been underground for long periods and have oxidized, such as sheet metal, lead, tin, or galvanized materials.
9. The depth, position, and mineral composition of the surrounding soil can influence the device's response and may cause these targets to appear similar to gold or other valuable metals.

Important Notes about Ground Balance

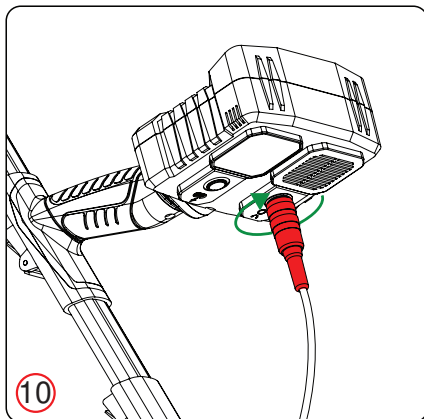
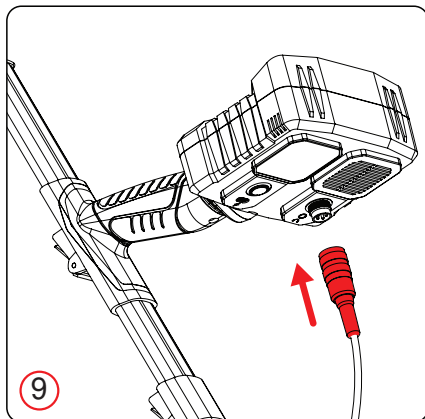
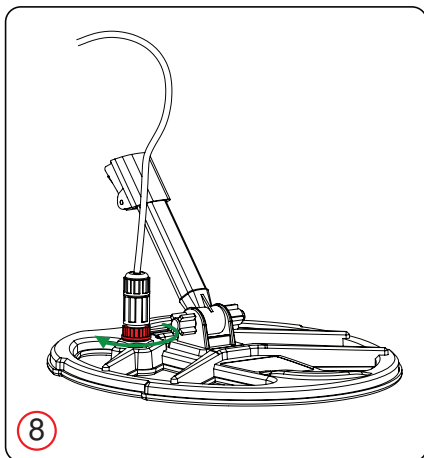
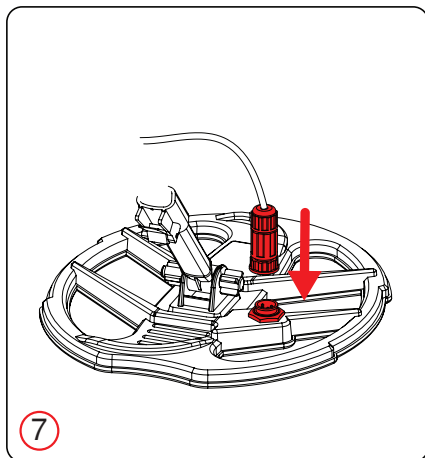
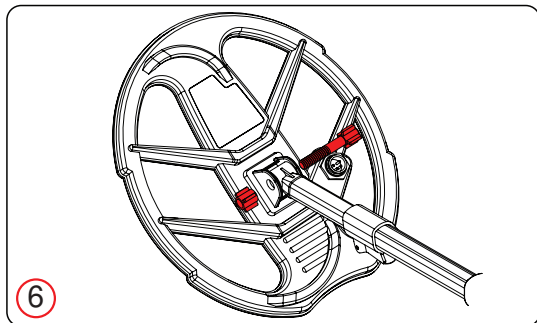
1. For the first ground balance procedure, perform a factory reset, then install the appropriate search coil correctly. Hold the device horizontally and press the Down/Disc button to load the coil. After that, lower the device perpendicular to the ground, keeping a distance of 5 to 10 cm from the surface. Begin adjusting the ground balance until a stable number appears on the Ground Balance screen. When the device emits a distinctive confirmation tone, the ground balance has been set correctly and the Gold Stinger X6 is ready for searching.
2. Avoid performing ground balance indoors or in locations with high mineral content. This helps prevent interference and ensures the device receives clean, accurate signals during the balancing process.
3. If you are in an area with heavy mineralization or magnetic fields, reduce the sensitivity level in the Settings menu before performing ground balance. Lower sensitivity helps the device stabilize and improves balancing accuracy.
4. It may be necessary to repeat the ground balance process several times to achieve the most accurate results, especially in challenging soil conditions.
5. During ground balance, always maintain a distance of 5 to 10 cm between the coil and the ground. If the device provides inconsistent or incorrect readings, our experts recommend resetting the ground balance and performing the procedure again.

Package Contents





Device Assembly



1. - Attach the control box to the upper shaft
2. - Secure the control box to the shaft using the specific screw
3. - Insert the middle shaft into the upper shaft
4. - Insert the lower shaft into the middle shaft
5. - Attach the search coil (GS50 or GS30) to the lower shaft
6. - Secure the coil to the lower shaft using its specific screw and nut
7. - Insert the coil cable connector into the coil base
8. - Secure the connector by rotating the button section clockwise
9. - Insert the coil cable connector into the device
10. - Secure the connector by rotating the metal section clockwise

Note on GS50 and GS30 Search Coils

The Gold Stinger X6 supports two interchangeable search coils: GS50 and GS30. The GS50 is the larger coil, designed to provide greater ground coverage and improved depth performance, making it ideal for open areas and deep-target searching. The GS30, being smaller and lighter, offers enhanced sensitivity to small targets and better maneuverability in tight or cluttered environments. Both coils are engineered to meet the same quality and reliability standards, allowing users to choose the most suitable option based on terrain, target size, and search conditions.

Control Box Introduction



Display

Keypad



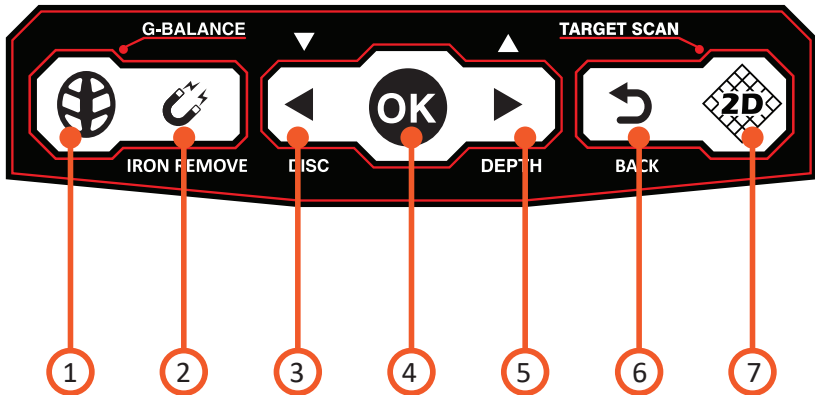
Speaker

Coils Cable Connector

Headphone Jack (AUX)

Power Switch

Charging Jack (Type-C)



1. Enter ground balance system
2. Iron remove shortcut
3. Left arrow
4. OK/Enter button
5. Right arrow
6. Return/Back button
7. Target Scan system shortcut

Device Startup



After assembling the device and installing the preferred coil, switch it on using the dedicated power switch located on the back of the unit.

Power switch



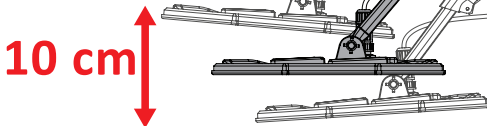
Wait for the startup screen to appear and wait for the progress bar to reach its end. The Ground Balance screen will appear first.



Ground Balance

This function calibrates the device to the mineral content of the ground. Proper ground balance ensures stable performance, reduces false signals, and improves detection depth. The user must perform this step before starting any search operation.

At this stage, place the device's loop on the ground and move it up and down (approximately 10 cm). Continue this motion until the calibration value is displayed on the screen.



If the green "OK" message appears, the device is properly balanced and ready for operation.



If the "Not OK" message is shown, repeat the ground balance procedure.

Once the ground balance is successfully completed, press the OK button to enter the main menu.

Systems

Gold Stinger X6 device is equipped with a set of advanced detection systems designed to enhance accuracy, improve target identification, and provide a smooth and efficient search experience. Each system performs a specific function, allowing both beginners and professional users to operate the device with confidence in a wide range of environments.

These systems work together to deliver precise ground calibration, deep detection capability, selective filtering of unwanted metals, and accurate pinpointing of targets. Understanding the purpose of each system will help you achieve optimal performance and make the most of your device's full potential.

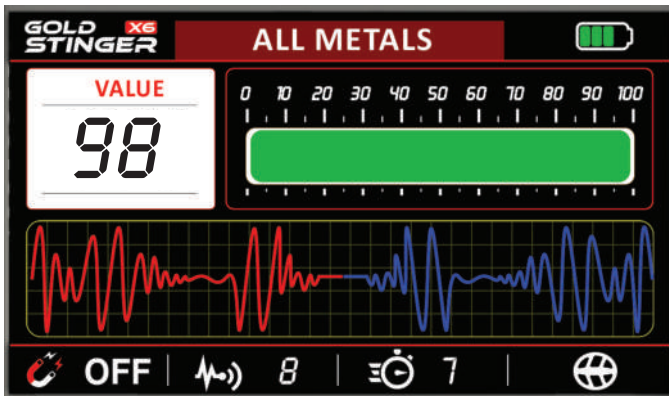
1. Ground Balance
2. All Metals Mode
3. Pin Pointer
4. Discrimination Mode
5. Depth Detect
6. Target Scan





In this mode, the device detects all types of metal targets, including ferrous and non-ferrous materials. It provides maximum depth and sensitivity, making it ideal for general scanning and locating deeply buried objects.

Select All **Metals** from the Main Menu to start full-spectrum metal detection.



Value

Displays the numerical value of the detected target or cavity.

Value Bar

Shows the real-time changes of the value indicator.

Linear Graph

Visualizes detection fluctuations during scanning.

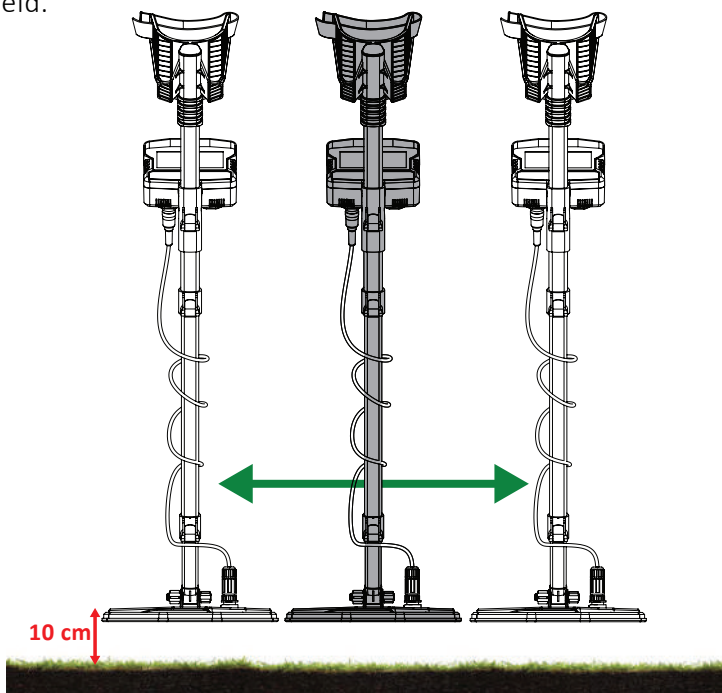
Graph Color Indicators

RED: When a metal target is detected, the graph color changes to red.

BLUE: When a cavity or hollow space is detected, the graph color changes to blue.

How to start

During real-time scanning, the device should be moved in a steady, controlled manner to ensure accurate detection results. Hold the detector comfortably and keep the coil close to the ground—just a few centimeters above the surface—while making sure it remains level and parallel at all times. As you begin walking forward, sweep the coil from side to side in wide, even arcs, allowing each pass to overlap the previous one so that no area is left unscanned. The motion should be smooth and unhurried; moving too quickly or lifting the coil too high can cause weak or unstable signals. Maintain a consistent pace as you advance, letting the loop glide across the scanning area without sudden stops or sharp movements. When the device indicates a signal, pause your forward movement and re-scan the same spot from different angles using shorter, more focused sweeps to pinpoint the exact location of the target. Once the signal is confirmed, continue scanning the surrounding area with the same steady rhythm. This controlled and methodical movement ensures the device performs at its highest accuracy and helps the user achieve reliable results in the field.

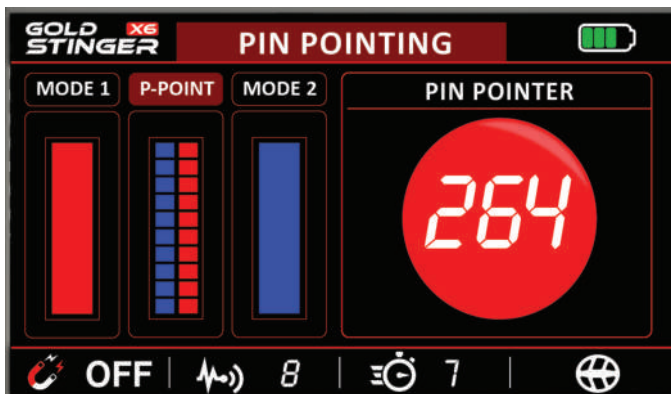




P-POINTER

This mode allows the user to determine the exact location point of the potential buried target that he looking for.

Where the sound of the device reach the peak when the search coil passes the center of the buried target, and the device reads the signals and translates them into digital values that change according to the settings and options values on the right side of the screen. In order to start searching through this mode and to capture the signal correctly, here the prospector must hover the device over the target while pressing the Enter/Start button on the control panel. The text on top of screen will change from Mode 0/1 to Pin Pointer Mode.



The Pin Pointer Mode provides you with an excellent opportunity to detect iron, steel, nails and iron parts with special sounds for each metal with different numbers depending on the signal strength. This mode will also enable us to find valuable items such as gold, silver, bronze, copper and lead.

Pin Pointer

A. Mode 1:

This mode focuses on detecting metallic objects.

The displayed numerical value increases as the size of the metal object becomes larger or as the metal gets closer to the surface. This mode is ideal for accurately locating both small and large metal targets.

B. Mode 2:

In this mode, the device is specifically calibrated to detect cavities, hollow spaces, and low-density areas.

As the size of the cavity increases, or as the cavity gets closer to the surface, the numerical value displayed on the screen will increase. This mode is highly effective for pinpointing the exact location and boundaries of cavities.

C. P-Point Mode (by holding the OK button)

By pressing and holding the OK button, the device enters the combined pinpoint mode.

In this mode, the device can simultaneously detect both metals and cavities, allowing the user to identify the exact position of either type of target in a single step. This mode is especially useful when the type of target is unknown and a quick, precise evaluation is needed.

Numeric values appear on the right side of the display, indicating both the type of metal and the strength of the detected signal.

- Non-precious metals (Pin Pointer mode): -50 to +30

- Gold targets: +30 to +60

- Precious metals: +60 to +90

Each numerical range is paired with a distinct audio tone, allowing the operator to identify target categories quickly and accurately.



DISCRIMINATION

Gold Stinger X6 delivers strong and precise metal identification through its Discrimination Mode, allowing the device to clearly distinguish between gold, other precious metals like copper and silver, and non-precious metals such as iron—all within a single, accurate detection process.

To enter this system select “DESCRIMINATIO” icon in the main menu and press “OK”

When the device detects signs indicating the presence of gold, for example, the device will make a distinctive sound; it will draw a yellow graph, along with this sound, indicating the signal strength captured when searching.

Note: The device may give misleading signals in the Discrimination mode due to the steel corrosive and chrome-plated metals present at the search site, or due to an incorrect adjustment of the ground balance.



Discrimination

When you find any precious metal while searching, such as silver, bronze, brass, and ancient coins or archaeological treasures like statues; the inscriptions at the top will determine the precious metal option and a green graph appears on the device screen with the device making a different and distinct sound from the other detection modes.



If the detected metal during the search is worthless or non-precious, such as iron, nails and tin;

In this case, the device will distinguish the type of metal by 70% through color graphs will appear on the screen in synced with making of a distinctive sound for this case.

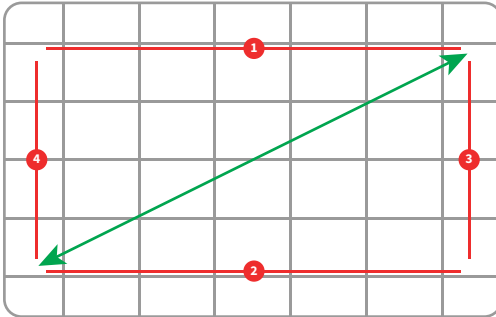


Depth Detect



This mode is very useful for determining the estimated depth of the potential buried target.

After determining the location and type of the buried target, and after determining the starting point of the signal, through the previous detection modes.



Example: 260cm

We calculate the diameter of the buried target in an estimated manner, by taking a first mark at the

first signal the device picked up or a sound issued by one of the systems and another mark at the opposite end of it.

We repeat this process on the opposite side of the first process until we draw a square or rectangle shape around the target location, then we take the estimated diameter of this square or rectangle in wand enter it in the input field located at the top.

By entering the obtained value into the Depth Detection system, the device calculates the approximate depth and displays it in the field below.



We can also change the value of the estimated diameter in the device by pressing the Left/ Right button on the keypad to decrease / increase the numeric value of the target diameter.

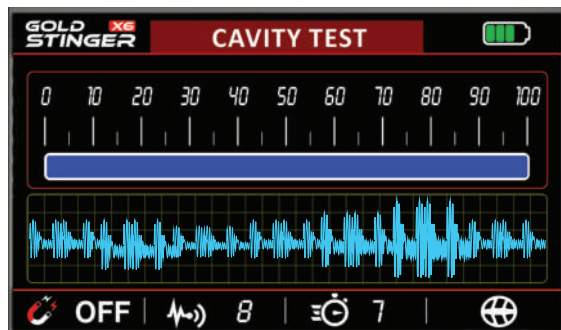
Then we press the Enter/ Start button on the keypad , then immediately it will show us a numeric value indicating the estimated depth of the buried target in the lower field.

Cavity Test

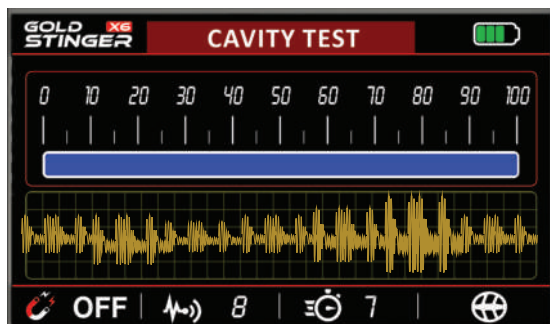


In this system when the device coil passes over gaps or unopened spaces such as rooms, tunnels, basements and graves, the Gold Stinger X6 device will draw a blue 2D graph on the “Gap Test” screen, **without the device making any sound.**

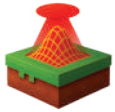
In order to enter the Gap Test mode, select cavity test system icon in the main menu.



Using Gap Test feature it is also possible to detect mineral soil; that means we can distinguish between soils that contain voids and gaps and mineral soils, as a graph appears on the screen in brown color when the device detects mineral soil, without the device making any sound.



Note: When the device start drawing the graph, by defining the start and end points of the signal in the search area, we can understand approximately 70% of the diameter of the mineral-rich soil within the area we are searching.



TARGET SCAN

This system is designed to analyze and display the type of target, its approximate size, and the likelihood of its presence. By scanning the ground directly over the suspected target—previously identified by other systems—the user can obtain more detailed information about the detected object.

To begin using this system, select it from the Main Menu and press the OK button.

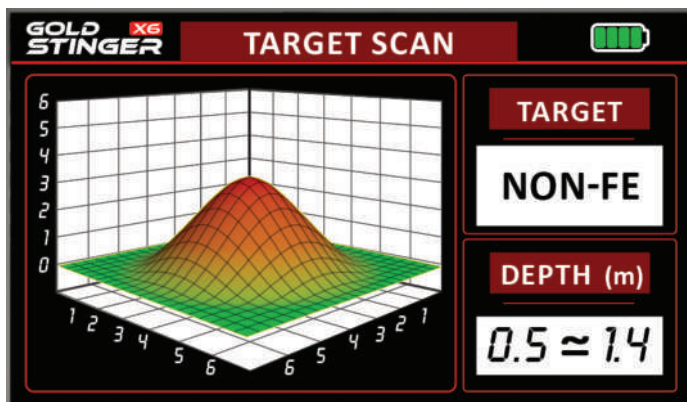


On the first screen, an illustration of the ground and the device's Coil positioned above it will be displayed. By pressing the OK button, an animation will start, showing how the Coil should move across the ground. The user must move the device in real time, following the same motion demonstrated in the animation, and continue this movement until the animation finishes. Once the animation ends, the user should also stop moving the device.

after scan complete the system will take the user to the next screen, where the analysis of the completed scan is presented as a three-dimensional graph.

Target Scan

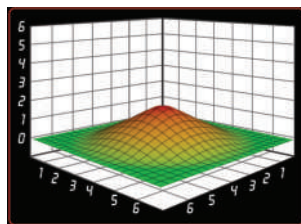
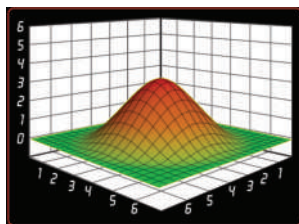
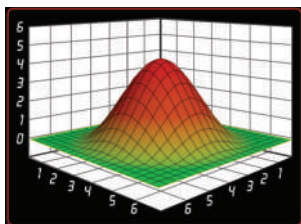
If any type of metal—valuable or non-valuable—is present beneath the scanned area, the graph will be displayed in red.



In the Target section, the device shows whether the received signal corresponds to a **ferrous** or **non-ferrous** metal.

In the Depth section, the approximate depth of the detected target is displayed.

The height of the graph increases or decreases depending on the size of the detected target and its distance from the surface.



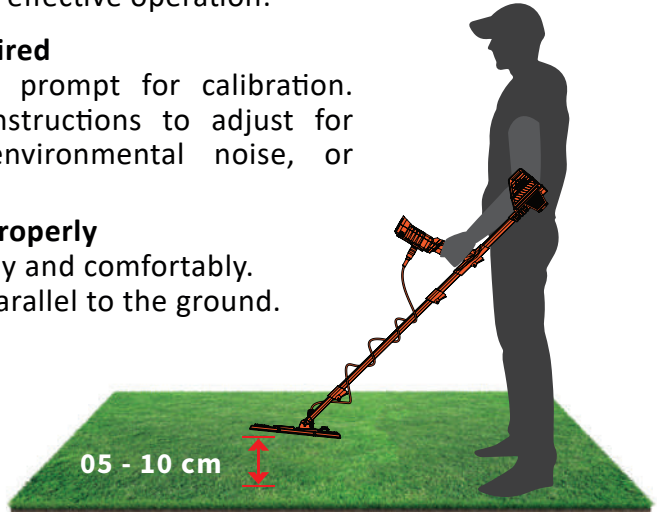
Once your detector device is fully assembled and powered on, and you've selected your preferred detection system from the main menu (such as Ground Scan, Metal Mode, or Tunnel Detection), follow these steps to begin effective operation:

1. Calibrate if Required

Some systems may prompt for calibration. Follow on-screen instructions to adjust for ground balance, environmental noise, or sensor alignment.

2. Hold the Device Properly

Grip the handle firmly and comfortably. Keep the coil head parallel to the ground.



3. Maintain Optimal Scanning Height

Hover the coil approximately 5–10 cm above the ground surface. Avoid touching the ground or lifting the coil too high, as this reduces detection accuracy.

4. Begin Scanning Slowly

Walk at a steady pace. Sweep the coil side to side in smooth, overlapping arcs. Ensure full coverage of the area without rushing.

5. Monitor the Display and Audio Feedback

Watch for visual indicators such as signal strength, depth readings, or target type.

Listen for audio tones or alerts that signal potential targets.

6. Mark and Investigate Signals

When a strong signal is detected, mark the spot. Re-scan the area from multiple angles to confirm the target. Use pinpointing mode if available for precise location.

Settings



SETTINGS

The Settings Menu allows users to customize the Gold Stinger X6 for optimal performance and comfort in various field conditions. Navigate using the directional arrows, confirm selections with OK, and return using BACK



LANGUAGE

LANGUAGE:

Select your preferred interface language. Options include: English, Español, Français, Deutsch, Türkçe, العربية.



Navigation Tips

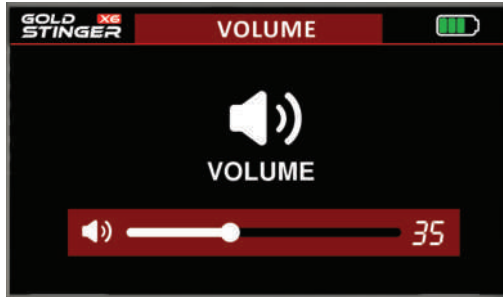
- Use LEFT/RIGHT arrows to scroll through options.
- Press OK to confirm a change.
- Press BACK to return to the previous screen.



VOLUME

VOLUME:

Adjust the audio output level (0–100). Ideal for adapting to noisy or quiet environments.



Navigation Tips

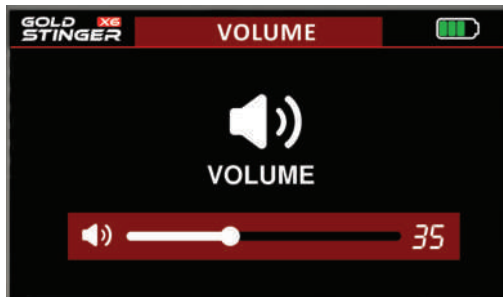
- Use LEFT/RIGHT arrows to change the volume level.
- Press OK to confirm a change.
- Press BACK to return to the previous screen.



BRIGHTNESS

BRIGHTNESS:

Set screen brightness (0–100). Useful for visibility in daylight or low-light conditions..



Navigation Tips

- Use LEFT/RIGHT arrows to change the brightness level.
- Press OK to confirm a change.
- Press BACK to return to the previous screen.

Settings



SENSITIVITY:

Fine-tune detection sensitivity. Higher values increase depth and responsiveness but may also increase noise.



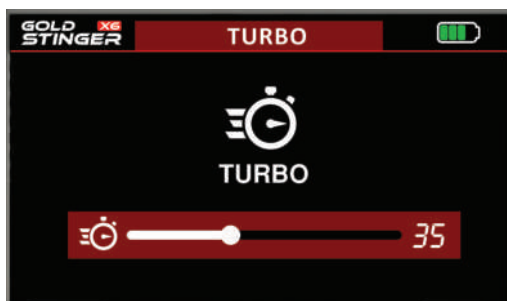
Navigation Tips

- Use LEFT/RIGHT arrows to change the sensitivity level.
- Press OK to confirm a change.
- Press BACK to return to the previous screen.



TURBO:

Boost detection power. Adjustable level (0–100). Higher settings may enhance depth but consume more battery.



Navigation Tips

- Use LEFT/RIGHT arrows to change the brightness level.
- Press OK to confirm a change.
- Press BACK to return to the previous screen.



REMOVE IRON:

Toggle iron discrimination. When ON, the detector filters out iron signals to reduce clutter.



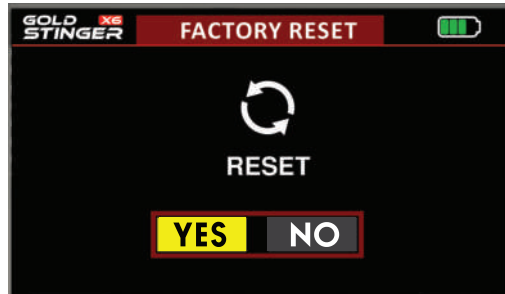
Navigation Tips

- Use LEFT/RIGHT arrows to change the turn ON/OFF Remove Iron.
- Press OK to confirm a change.
- Press BACK to return to the previous screen.



RESET:

Restore factory settings. Factory Reset erases all custom settings. Use with caution.



Navigation Tips

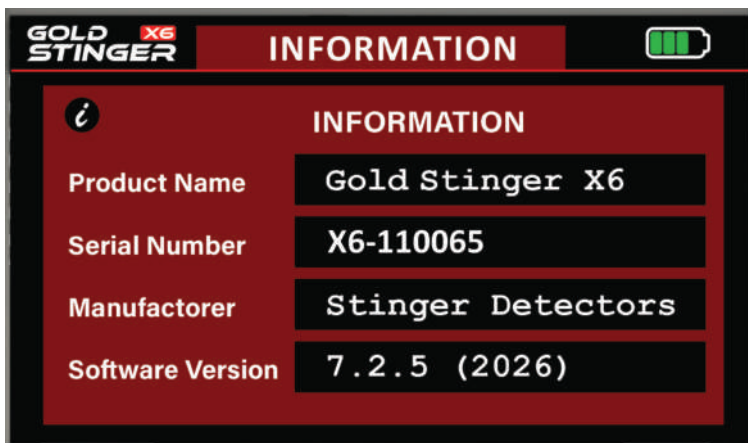
- Use LEFT/RIGHT arrows to Prompts confirmation (YES/NO) to prevent accidental resets.
- Press OK to confirm a change.
- Press BACK to return to the previous screen.



INFORMATION

INFORMATION:

View device details: model name, serial number, manufacturer, and software version. Useful for support and updates.



INFORMATION Screen

The INFORMATION screen displays the essential identity and software details of the Gold Stinger X6. It clearly presents the product name, serial number, manufacturer, and the software version currently installed on the device. These details allow users to verify the authenticity of their unit and ensure they are working with officially supported hardware and firmware. This transparency helps build confidence in the device's reliability, especially when performing updates, requesting technical support, or documenting equipment for professional use. The INFORMATION screen is designed to reassure users that their detector is properly registered, traceable, and operating on certified software. This section is informational only and does not include adjustable settings.

STATUS BAR



1. REMOVE IRON

- Function: Shows whether the iron discrimination feature is active.
- Status: ON or OFF
- ON: Iron targets are filtered out to reduce unwanted signals.
- OFF: All metal types, including iron, are detected.

2. SENSITIVITY

- Function: Displays the current sensitivity level of the device.
- Indicator: Numerical value 0–100
- Higher sensitivity increases detection depth and responsiveness.
- Lower sensitivity improves stability in highly mineralized or noisy environments.

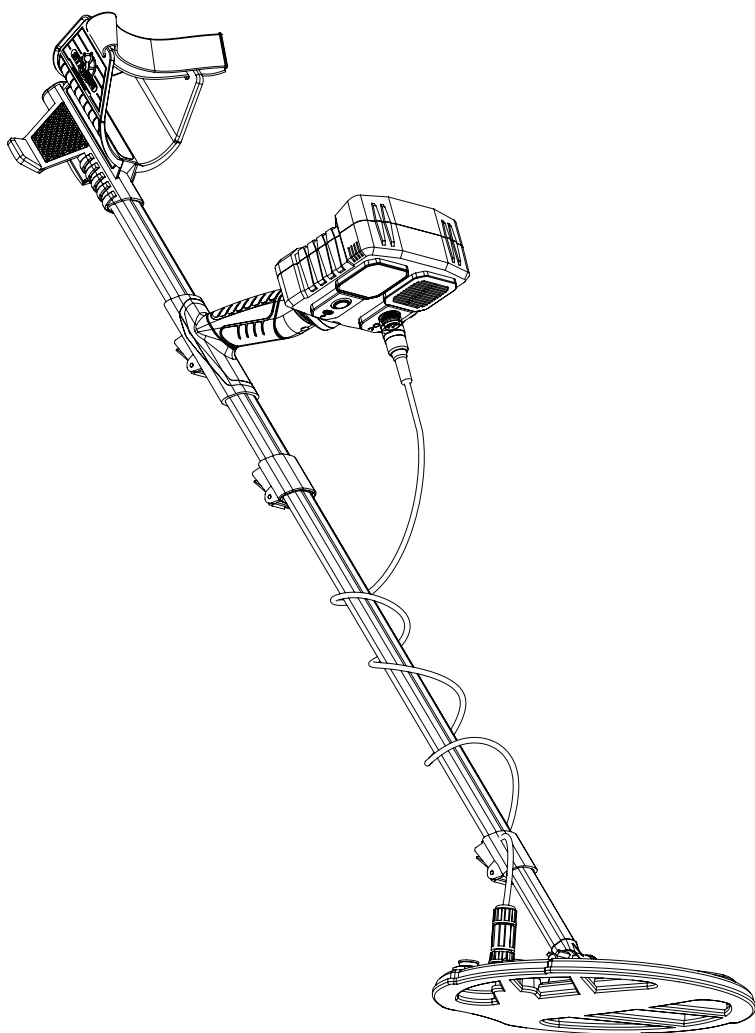
3. TURBO

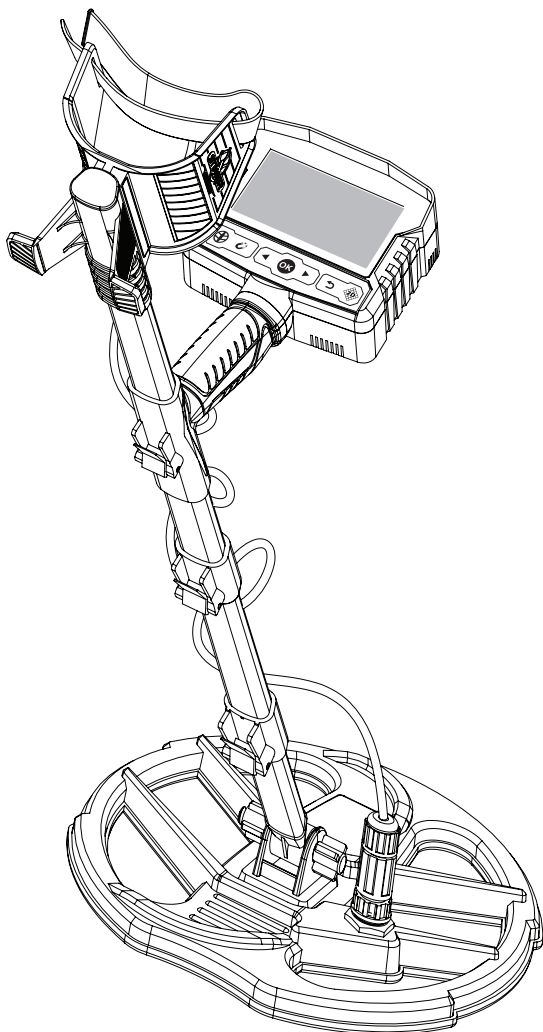
- Function: Shows the active Turbo Power level.
- Indicator: Numerical value representing the boost intensity.
- Higher Turbo levels enhance detection depth and signal strength.
- Lower levels conserve battery and reduce noise in difficult soil conditions.

4. COIL CONNECTIVITY

- Function: Indicates the connection status between the control unit and the search coil.
- Status:
 - Connected: Coil is properly detected and communicating.
 - Disconnected / Error: Coil is not detected, cable is loose, or communication is interrupted.

This indicator helps users quickly verify that the coil is functioning before and during operation.







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