STINGER DETECTORS
USA TECHNOLOGY

www.Stingerdetectors.us

User's Manual

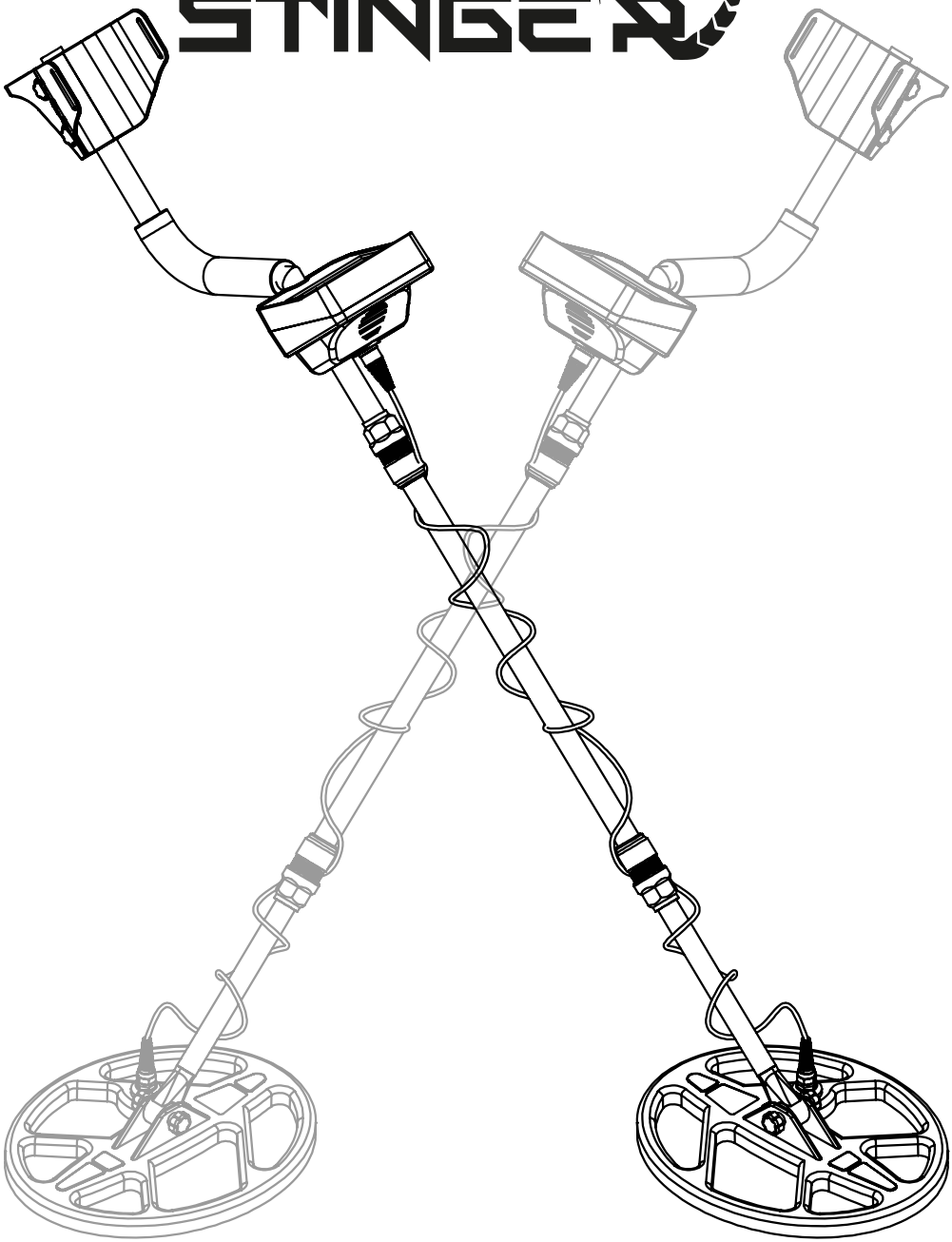
GOLD STINGER X5

Device Overview

GOLD STINGER X5 is the best electromagnetic device in the field of gold prospecting, metal detection, treasure hunting, and the most powerful in the field of discriminating between metals and determining the exact depth of the buried target.

welcome.

GOLD STINGER X5



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About Stinger Detectors and Gold Stinger X5

With strong feedbacks from experts in the field of exploration and detection of precious metals and buried treasures, Stinger Detector develops its new structure to suit all markets and for wider and bigger spread throughout the world.

We are committed to provide the best quality and highest performance metal detectors for prospectors of all categories, from beginners to professionals.

Stinger Detectors devices are manufactured based on practical tests and theoretical studies in all areas of metal detection and treasure hunting, taking into account feedback from professional prospectors from different countries of the world to obtain the best results.

Stinger Detectors provide all prospectors with the latest reliable technology to search for deep treasures, find ancient coins, antiquities hunting and natural gold prospecting with unique features, ease of installation and use with the best user experience in order to find your lost treasures easily.

Stinger Detectors in Gold Stinger X5 guarantee a maximum detection power up to 500 cm depth so that the device can detect the deepest buried targets and precious treasures, such as gold, silver, bronze, statues, bullion, ancient coins, underground chambers and tunnels.

Disclaimer and Copyrights

Disclaimer:
Stinger Detectors is not responsible for any use of its products that violates the laws of the country in which its devices are used, and our company invites its customers to check the laws regarding possession or use of this type of product in their country.
Stinger Detectors, its staff and authorized dealers shall not be liable for any kind of damage caused by improper use of the device or this user manual.
Stinger Detectors devices are metal detectors, based on scientific research, but this does not necessarily mean that our company guarantees any results that fits the purpose intended by the user.
Stinger Detectors is not responsible for misunderstanding this manual or misusing the device.

Copyrights:
Gold Stinger X5 device is protected by copyrights associated with Stinger Detectors.
Stinger Detectors is the only and exclusive manufacturer of the Gold Stinger X5, thus, it is strictly forbidden to reproduce or manufacture the device again in any other company or place that is not authorized by Stinger Detectors or not affiliated with our company.
Any person, entity or group that infringes the above copyrights is subject to legal liability.
For more information about copyrights, use of rights and permission to use, please contact our company's team by email
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Important Warnings before Use

General Notes

1. Do not operate or install the device without reading the user manual, or the quick user guide.

2. Do not start the search without properly setting the ground balance, wrong ground balancing will result in major metal discrimination errors, especially in Discrimination Mode.
Read important notes about ground balance.

3. Please, protect the device's primary coils from hard conditions like extreme heat and shocks.

4. Do not expose the battery to heat and do not use a different charger for the device.

5. Please, protect the device screen from water and high temperature and the main control panel from shocks.

6. In order for the battery life to last longer, we recommend to charge the battery at least once a month.

7. Wrap the coil cable you want to install on the device around the shafts, do not use force during assembly and use.

8. Gold Stinger X5 can signal the presence of gold instead of non-precious metals such as sheet metal and lead that have been underground for long periods and are rusty (tin, galvanized metal, etc.).
The distances and positions of the underground minerals affect the device's detection of these targets as may detect them as gold or precious metals.

Important Notes about Ground Balance

1. When performing ground balancing for the first time, do a factory reset of the device, then install the appropriate search coil into the device correctly and load it by pressing Down/Disc. button while holding the device horizontally ,then lower the device perpendicular to the ground (leaving a distance of 5 to 10 cm) from the ground surface, and start adjusting the ground balance until it shows you a fixed number on the Ground Balance screen. The device will make a distinctive beep sound indicating that the ground balance done correctly, you can then start searching and discovering your buried treasures with your Gold Stinger X5.

2. Do not perform ground balancing at home or in places containing minerals, in order to ensure that signals do not interference during balancing.

3. Reduce the sensitivity in the settings section when performing ground balancing in areas rich in minerals, or in magnetic fields.

4. In order for perform the ground balance properly, it may be useful to repeat the ground balancing several times.

5. During the ground balancing of the device, it is always preferred that the distance between the ground surface and used search coil should be 5 to 10 centimeters at max. Our experts also advise to reset the ground balance again if the device is giving wrong or inaccurate data.

Device Accessories

1 Cloth bag

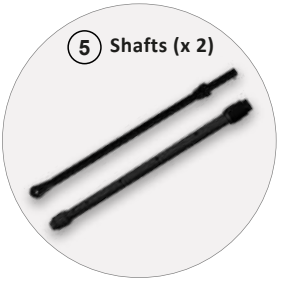
Package Contents:

1. Cloth bag
2. Small size GS 30 search coil
3. Main unit (system box), with hand grip
4. Big size GS 57 search coil
5. Shafts (x 2)
6. Device charger
7. Headphones

2 GS 30 search coil

3 Main unit, with hand grip

4 GS 57 search coil



5 Shafts (x 2)

6 Device charger

7 Headphones

Installation Method

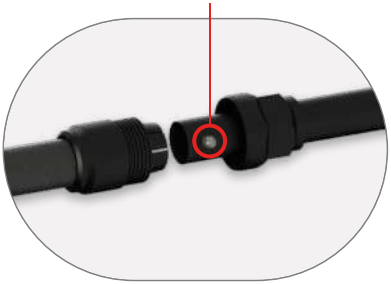
Device Operation and Coil Connecting

Device power button and charger socket

To connect the search coil, insert the coil cable into its socket in the main unit

Handle Shaft Installation

Press the pin at the end of the handle unit to connect the handle of the device with the shaft



Twist the knob over the knob connection point clockwise

Search Coil Installation

Place the coil shaft appropriately on the coil

Attach the search coil to the coil shaft using the screw and screw cap and then turn the screw cap clockwise

Main Control Unit

Main Unit

Up / Disc.
- Move up in menu options
- Change numbers and values

Down / Depth
- Move down between options
- Change numbers and values

Screen
Used to turn on/off screen backlight (this button only works in Pin Pointer Mode)

Systems
By clicking on this button we can move to next detection system (mode) screen

G-Balance
Used to enter to Ground Balance screen to adjust ground balance

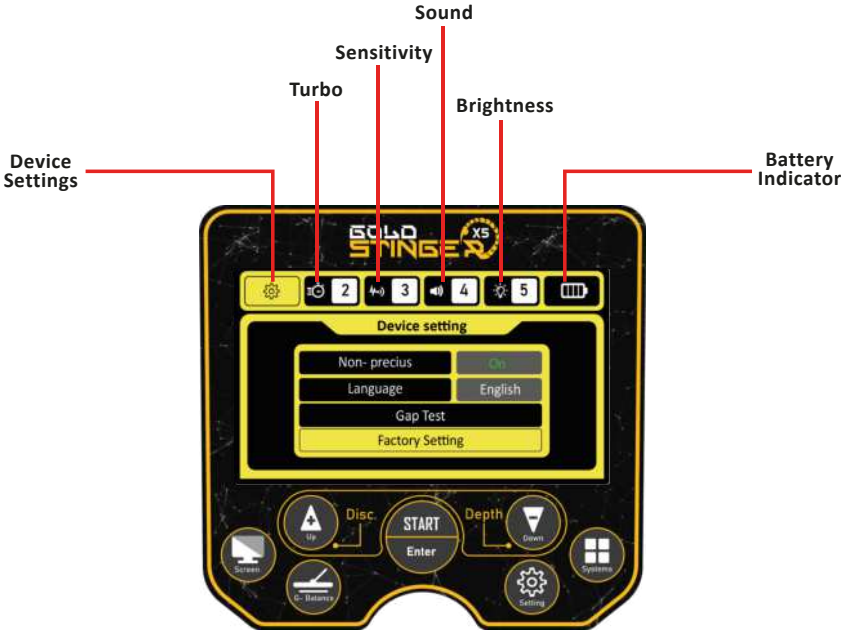
Settings
User can use this button to show general Settings menu or screen

The main control unit is the main part of the device through which we can control the device in general, as this unit enables us to access the detection modes of the device, its features and settings.

The main control panel is located on the front of the main unit (system box), through which we can turn the device on and off, and it contains the charger and headphone sockets.

User Interface & Search Coils

User Interface (Settings)



Search Coils

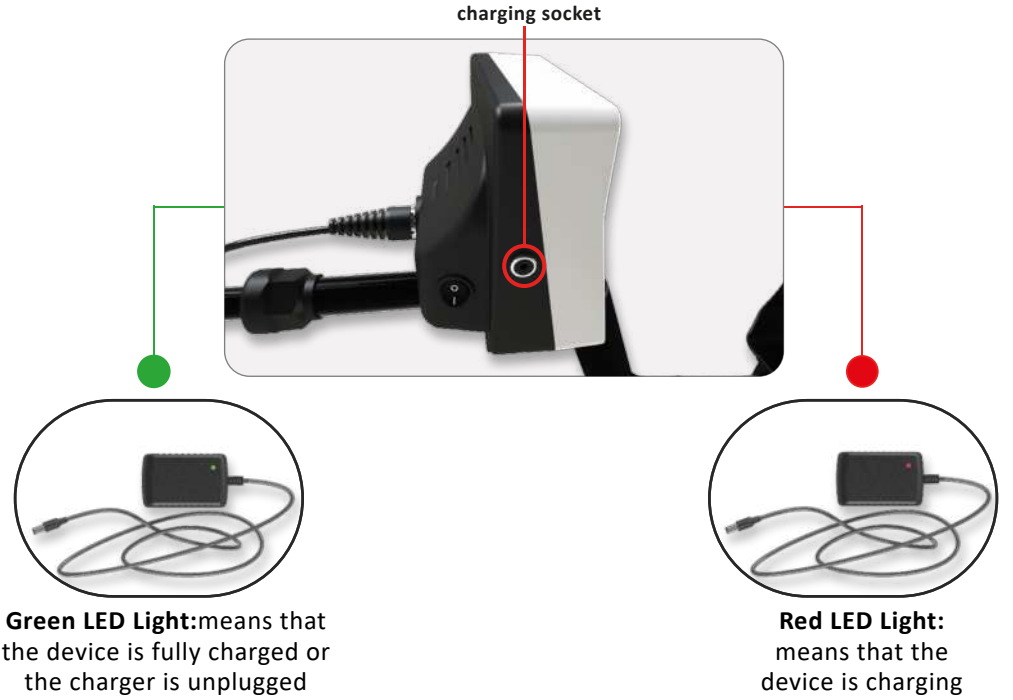
Big Size GS 57 Search Coil
With (36 x 41 cm) dimensions, used with 7 kHz frequency
Usable in all types of terrain conditions to conduct searches at greater depths.

Small Size GS 30 Search Coil
With (32 x 26 cm) dimensions, used with 14 kHz frequency
This coil is also suitable for use in areas such as rocks, bushes, walls, and holes.

Device Charging

Notes about Device Charging

Connect the charger supplied with the device (inside the bag); the LED light on the charger will change from green to red during the charging the device and turns green again when charging is complete
(The light will turn green if the charger unplugged from the device or only if the battery is full).
Note: The charging time of a completely empty battery is about 5 hours.



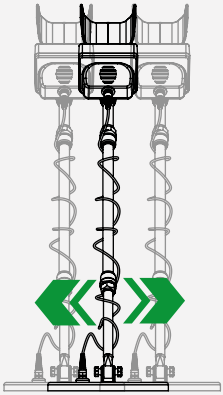
Green LED Light:means that the device is fully charged or the charger is unplugged

Red LED Light: means that the device is charging

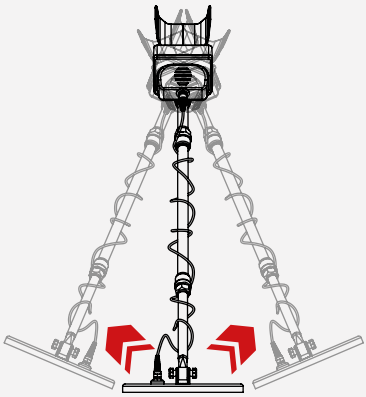
Notes when charging and not using the device:
- The device should not be charged with a charger other than the main charger (supplied charger)
- If the device is not in use, it is preferable to charge the device one time at least in the month
- It is preferable not to ignore the risk of combustion from excessive currents and extremely hot environments.

Correct Usage Methods

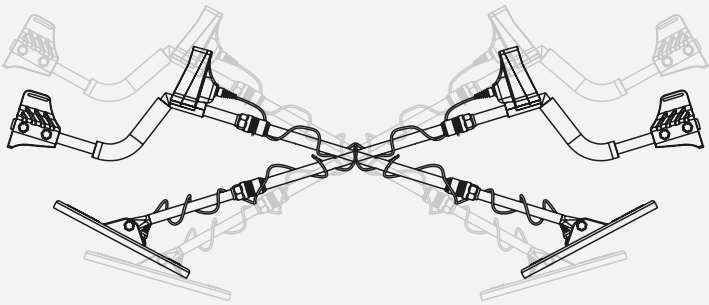
Correct Use



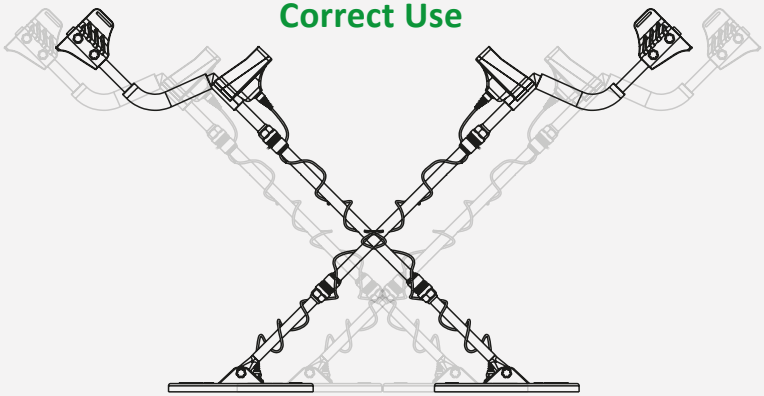
Incorrect use



Incorrect use

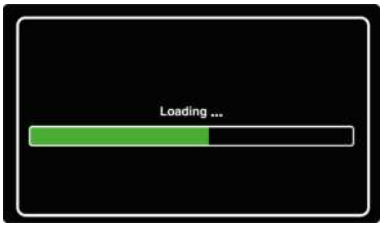


Correct Use



Powering The Device On

Turn on the device with the button on the right side of the device main unit. One of the search coils must be connected to the device correctly so that the device can perform the ground balancing correctly.
After the start and welcome screen loading is complete, Ground Balance screen will appear immediately.
You can also perform ground balancing by pressing the G-Balance button on the control panel.



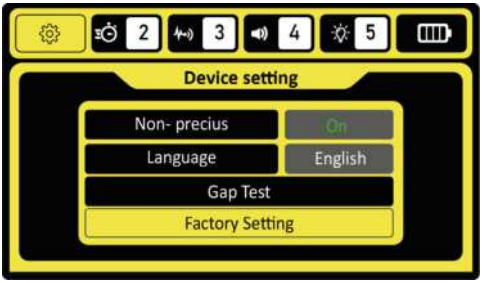
Note 1: To change the connected search coil, turn the device off and then turn it on again, pressing G-Balance button and wait for the loading to complete to show you the Ground Balance screen again.
Note 2: If you want to search in the same place again, you do not need to make a ground balance another time, because the device automatically keeps the last ground balance in its memory.

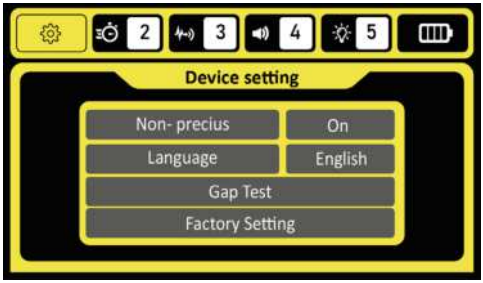
Ground Balance

Adjusting the ground balance correctly is the first and most important step in finding your target by uncovering your hidden treasure.
In order to get the best results while searching with the Gold Stinger X5, you must pay attention to the correct ground balancing, follow the following steps in order:

1. Step One: Factory Reset

Factory Reset: It is the first step in properly setting the ground balance correctly; to reset to factory settings; we first enter the settings by pressing the Settings button, then the general settings screen will appear in grey, as shown in the image above. to enter the device settings; we press the Enter / Start button located in the center of the main control panel, then we go to the last option in the list that appears to us, by moving down through the Down / Disc. button located to the right of the main control panel, we stop on the option, Factory Settings, and press the Enter / Start button , we will then see that the device has restarted automatically.

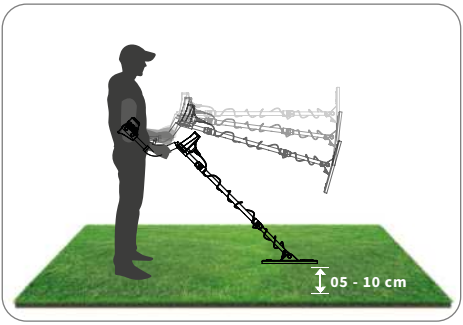




Note: When you turn on the device for the first time, the automatic Ground Balance screen will appear; In order to bypass this screen and go to settings to factory reset; we just press the Enter/Start button on the control panel, then the "All Metals" mode screen will appear, to go to the settings from here, press the Settings button from the keyboard, and complete the setup as described previously.

Notes on ground balance:
Do not perform calibration at home or in areas containing metal, that in order to ensure that signals do not interference during balancing.
When performing ground balancing for the first time, try to keep large metals at least 2 meters away from the device.
Reduce sensitivity in the settings section when performing ground balancing in heavily mineralized areas.
In order to make a ground balance correctly, it can be helpful to repeat the ground balancing several times.

2. Step Two: Install and Load Coils

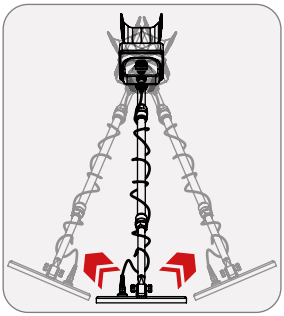


- Installing Search Coils: When the Loading screen appears, after factory reset, we make sure that the coil properly connected to the device, quickly; we raise the device horizontally in the air, so that it is parallel to the user's arm, then immediately and continuously press the Down/ Disc. button from the main control panel, the device will start recognizing the attached coil, wait a while for the coil to complete loading, then the device will make a distinctive sound indicating that the attached search coil has been recognized. Then lower the device at a level of 5 to 10 cm from the surface of the ground vertically, to start balancing the ground, as shown on the side.

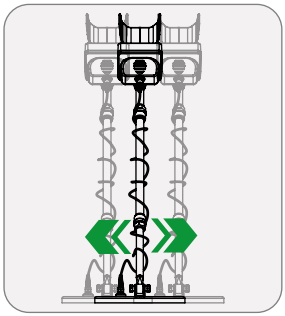
Note: During the ground balancing of the device, it is always preferred that the distance between the surface of the ground and connected search coil of the device being used should be 5 to 10 centimeters maximum. Our experts also advise to reset the ground balance again if the device is giving wrong or inaccurate data.

3. The third step: adjust the ground balance

- Ground Balance Adjustment: After the first factory reset, then connecting the search coil correctly, and loading it into the device. We lower the device from the air perpendicular to the ground, so that the coil connected to the device is horizontal with the surface of the ground, as shown in the above drawing. To make a correct ground balance: move the device steadily from right to left or from front to back and vice versa; until a fixed number appears on the Ground Balance screen, the device will make a distinctive beep sound indicating that the Gold Stinger X5 has the correct ground balancing.



Incorrect use



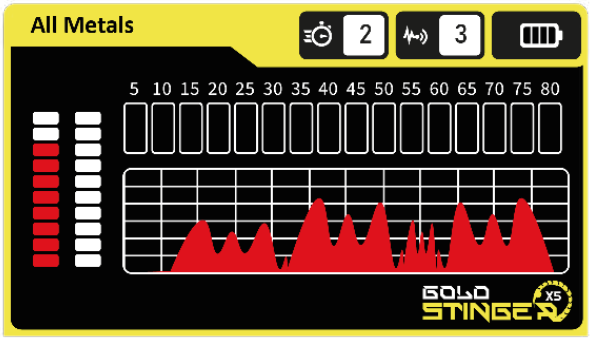
Correct use

All Metals Mode (Metal and Void Detection)

All Metals Mode - Metal Detection:

After adjusting the ground balance correctly, it will first show you the All Metals detection mode, which can be using it, the detection of all types of metals hidden in the specified search field.

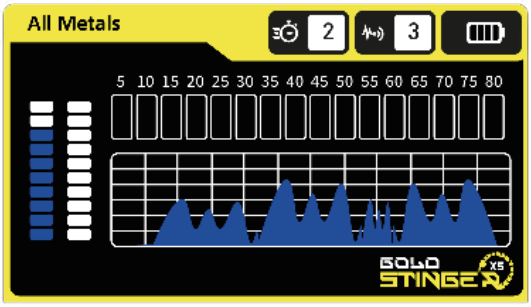
When the device finds signs indicating the presence of metals, it will make a distinctive sound and the screen will show a red graph, indicating the presence of metal. We can also access the All Metals mode by pressing the Systems button on the right of the main control panel.



Note: When the bars reach the highest level at the same time, it means that we are in the center point of the detected metal target.

All Metals Mode - Void Detection

When using the All Metals mode on the Gold Stinger X5 and while passing over space areas or gaps such as tunnels, chambers and tombs, a blue graph will begin to appear on the screen without the device making any sound accompanied with it.

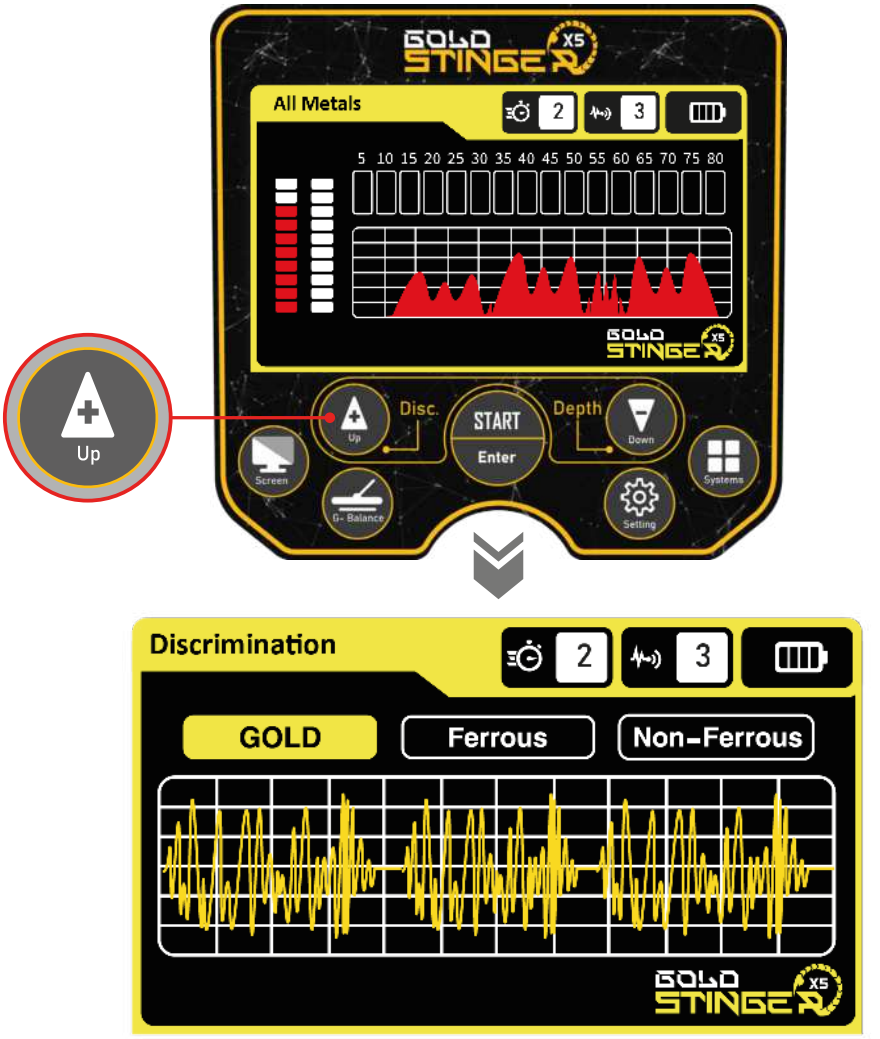


Note: To make sure that there are spaces in the search area correctly, the graph in the rectangle on the right of the screen must start moving up, and the blue squares must move with it

In the bar on the far left of the screen to the top as well, with the bar on the right filled with white. As for the boxes in the upper section, they indicate the strength of the signal received by the device.

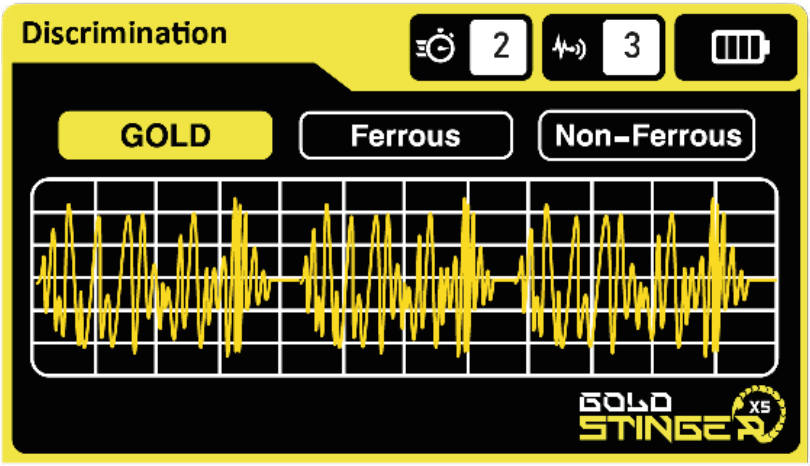
Discrimination Mode (Metal Type Discrimination)

Gold Stinger X5 can discriminate between the metals it has detected very powerfully and accurately by using Discrimination Mode.
After we detect the presence of metals by using All Metals Mode, for example, we can then move to the Discrimination mode by pressing the Up / Disc button located on the left of the main control panel.



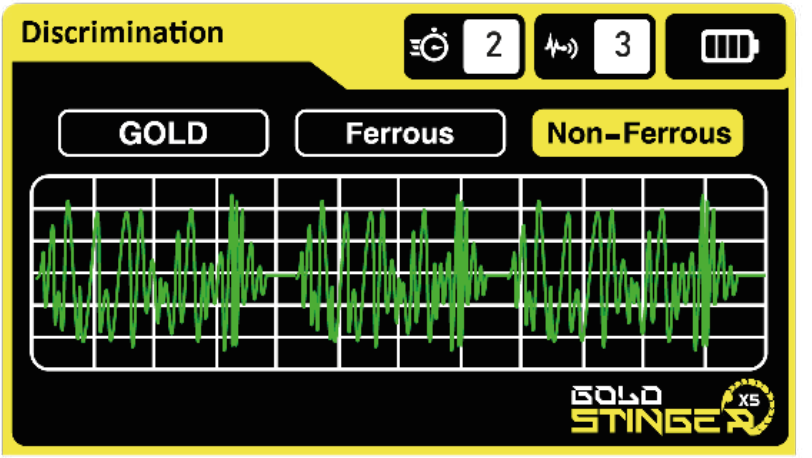
Discrimination Mode (Gold Detection)

In Discrimination Mode, Gold Stinger X5 discriminate between gold and precious metals such as copper, silver and non-precious metals such as iron.
When the device detects signs indicating the presence of gold, for example, the device will makes 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.



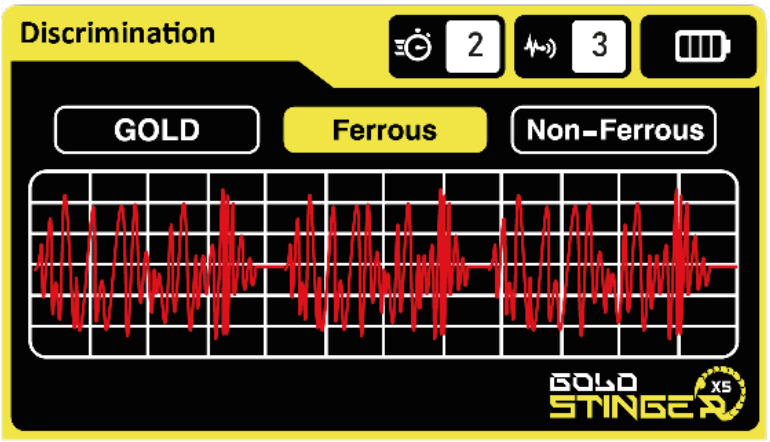
Discrimination Mode (Precious Metals Detection)

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.



Discrimination Mode (Non-Precious Metals Detection)

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.



Warning: If graphs appear on the screen in All Metals Mode of all colors, this means the device was not able to identify the metals or their type. Try to pull the device aside for a distance of 30 cm above the ground and pass over the specified area with a distance of 5-10 cm above the surface of the ground, and if it gives the same signals, then make the ground balancing process again.

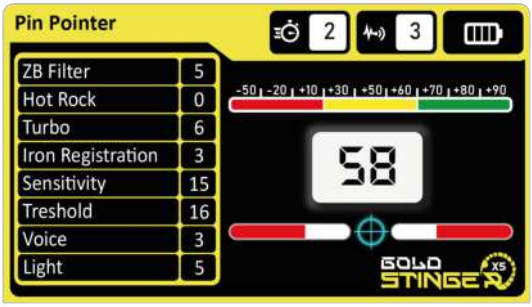
Pin Pointer Mode (Quick Search)

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.

[Press and hold the Start button]

[The Pin Pointer mode is more suitable for searching for small targets]

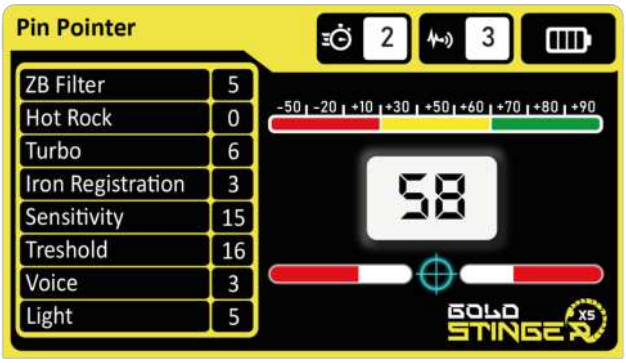
The Pin Pointer Mode provides you with an excellent opportunity to detect iron, steel, nails and iron parts with special sounds for each metal with different numbers depending on the signal strength.
This mode will also enable us to find valuable items such as gold, silver, bronze, copper and lead.



Pin Pointer Mode (Numerical Values Analysis and Features Explanation)

Numeric values appear at the right of the screen depending on the type of metal and the value of the detected signal.

* In Pin Pointer mode, non-precious metals match with numeric values from **-50 to +30**
* Gold targets with numeric values from **+30 to +60**
* While the precious-metal targets match with numerical values from **+60 to +90**



With different sound corresponding to specific values range.

On the left of the screen we see a list of the features of this mode:

ZB Filter: When the value of this feature is increased, the device will be more stable while searching in places that contain metallic impurities (such as iron or chrome).

Hot rocks: This feature enables the device to filter out false signals caused by burnt tiles or leftover bricks or tiles.

Turbo: We can control the detection depth of the device from here.

Iron registration: It allows isolating ferrous metals without the device making any sound and without showing numbers on the right of the screen as well.

Sensitivity: From here we can adjust the sensitivity of the device towards metals of all kinds.

Threshold: Allows us to search with different and distinct sounds for each metal detected by the device.

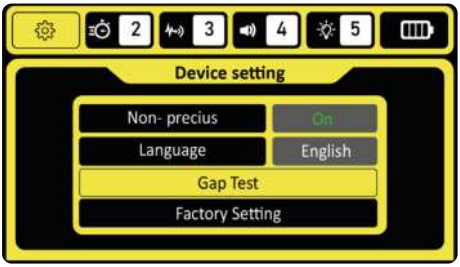
Voice: We can control the volume of the device's sound from this feature.

Light: This feature allows us to dim the screen or turn it on again.

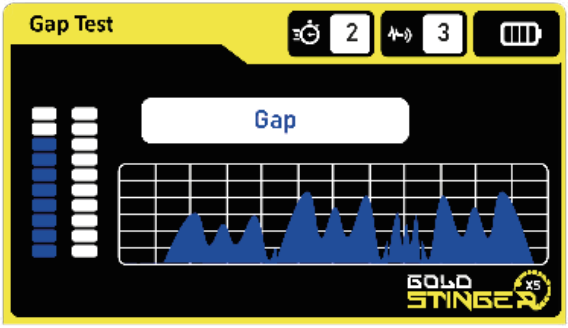
Note: In order to start searching through this mode and to capture the signal correctly, here the prospector must hover the device over the target while pressing the Enter/Start button on the control panel. The text on top of screen will change from Mode 0/1 to Pin Pointer Mode.

Gap Test (Space Test)

When the device coil passes over gaps or unopened spaces such as rooms, tunnels, basements and graves, the Gold Stinger X5 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, we must press the Settings button in the main control panel, and go to the (Gap Test) option in the device settings menu.



Device Settings/ Gap Test



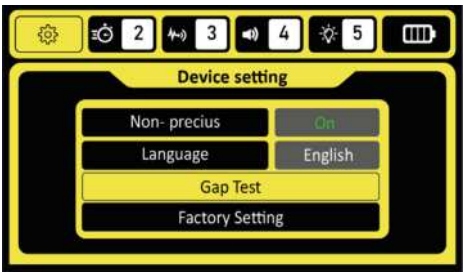
Gap example

Note: By defining the start and end points of the signal in the search area, we can understand approximately 70% of the diameter of the detected space

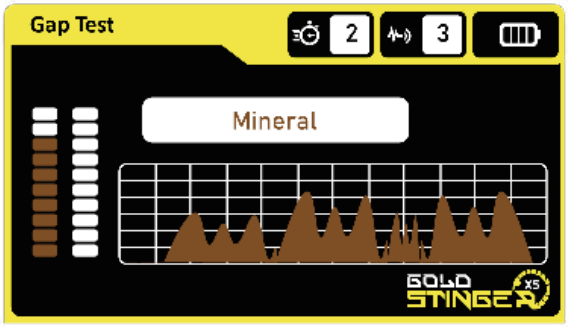
Gap Test (Mineralized Soil)

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.



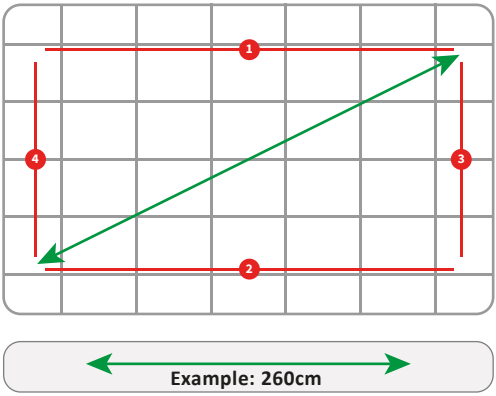
Device Settings/ Gap Test



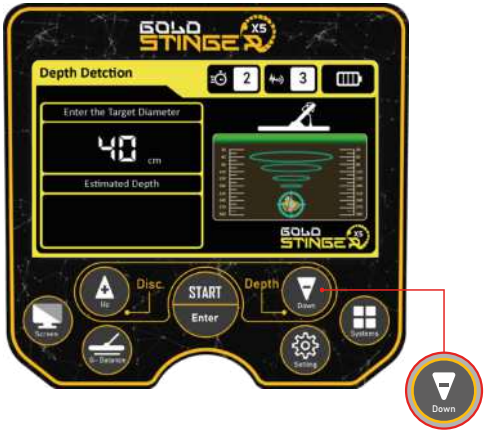
Mineral soil

Depth Detection

Estimated Depth Measurement:
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.
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.



We can also change the value of the estimated diameter in the device by pressing the Up / Disc button on the control panel to increase the numeric value or the Down / Depth button to decrease the numerical value of the target diameter.
Then we press the Enter/ Start button on the main control panel, then immediately it will show us a numeric value indicating the estimateddepth of the buried target in the lower field.

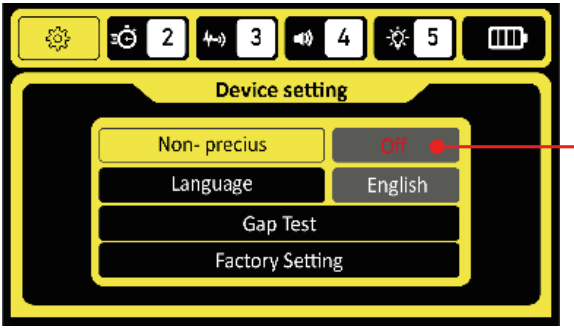
Note: When measuring the estimated depth of the buried target as described in the previous section, it is possible to get errors in the calculation that may reach only 7% of the full numerical value.
That could be due to not obtaining high accuracy or completely correct in the ground balance, or not entering the target diameter of the target correctly.

Estimated Depth

300 cm is the estimated depth of the buried target, meaning that the target we are looking for is located approximately three meters below the surface of the ground in the search area.

Separation of Non-Precious Metals

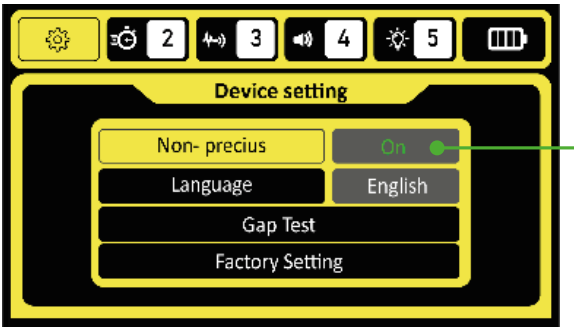
Gold Stinger X5 can discriminate between metals according to their types in a very strong way, as we mentioned earlier.
This feature enables us to exclude (isolate) non-precious metals from the search operations in all detection modes of the device, so that the device detects the target area without seeing the non-precious metals.



Non-Precious / Off

When "Non-Precious" option disabled in the device settings, the device will normally detect non-precious metals in the detection modes.

To activate the non-precious metal isolation feature in the device, we go to the device settings menu by pressing Settings button on the main control panel, and then we can switch between the option to turn this feature on or off by selecting (Non-Precious) option and pressing the Enter / Start button from the main control panel.



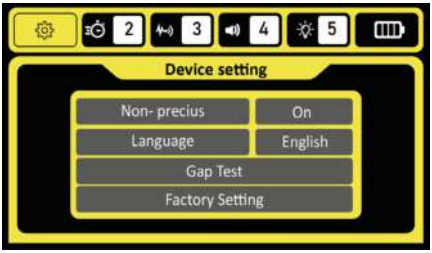
Non-Precious / On

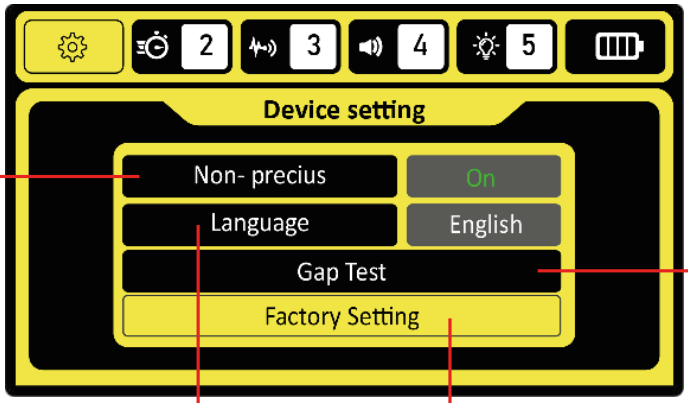
If you enabled "Non-Precious" option in the device settings, the device will not detect (isolate) non-precious metals in the detection modes.

Settings

To access the general device settings - Device Settings, Turbo, Sensitivity, Sound, Brightness - the device will show us the screen of the device in a gray color (empty screen).

First, to enter the Device Settings, we press the Enter/ Start button on control panel





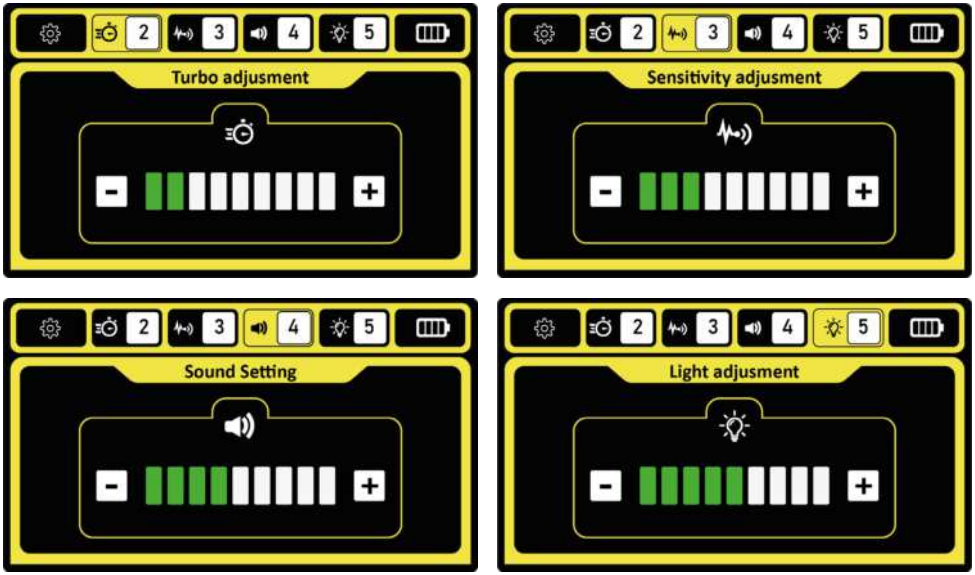
From here, we can access turning on or off the Non-Precious metals isolation feature, and by activating this feature, the device can isolate non-precious metals completely from the detection modes.

Our device has the option to change the language, by choosing Language from one of eight worldwide and widespread languages.

We can also access from the device settings the option to reset the device settings to the factory default values, which in turn resets all the settings and data in the device to the basic factory settings.

From here, we can access the Gap Test feature, through which we can detect places that contain voids, gaps or mineral soil in the search area.

To move between the general settings of the device, we press the (Up /Disc.) button to move to the right and the Down /Depth button to move to the left.
In order to enter any section of the settings, first we choose the section we want, and then press Enter/ Start button.



Secondly, from the Turbo settings, we can increase the additional detection depth of the device, and thus increase the efficiency of its work.
Thirdly, the Sensitivity settings, and from here we can control the sensitivity of the device towards metals, and thus reach the device to a greater depth.
It should also be noted here to adjust the sensitivity in proportion to the nature of the soil and the search area, so that the ideal sensitivity value is 7 out 9 in the sensitivity adjustment bar.
Fourthly, Sound settings that enables us to adjust the overall sound volume of the device, as we want.
Fifth, Brightness settings that enable us to adjust the brightness value of device screen to be appropriate for the user.

In order to increase or decrease the setting value, we can use the Up / Disc button on the main control panel to increase the value or the Down / Depth button to decrease the desired value.

Important Notes

In order to calculate the depth of the buried target you detected using the Gold Stinger X5 device…
First, determine the exact center point of the buried target you detected (by using Pin Pointer mode as an example). Then take the device aside and reset the ground balance again.
Determine the place where the signal detected for the first time, that is, the place where the device made a sound or a signal using one of detection modes.
Do this from all four sides of the place of search area; until you make a rectangle or square area, then you can enter the Depth Detection mode to determine the approximate depth of your buried target better.

When using the Gold Stinger X5, check the spot you have detected several times.
You may encounter misleading signals when searching for the first time, especially if the target site contains rusty objects of tin, steel, chrome and galvanized metals that remain underground.
To reduce these errors, try to clean the soil (about 30 cm) from the place you detect in the form of a grave and repeat the search process in this area again.

Important Notes

Gold Stinger X5 can identify objects that have been underground for many years, depending on their sizes. The device can detect underground-buried objects between 20 centimeters and 5 meters maximum, depending on the size and dimensions of the target.

If the size of buried target diameter is approximately 10 x 10 cm, the approximate depth of this target will be approximately between 35 cm and 90 cm.

- For 20 x 20 cm dimensions target, the depth will be between 75 cm and 120 cm

- For 40 x 40 cm dimensions target, approximate depth will be between 110 cm and 180 cm

The maximum depth ranges from 200 cm to 500 cm.

The above depth table may vary depending on the rocky, stony and mineral locations.

In order to reach the maximum depth in the device, the discovered target must be of a large size, compared to the size of the search coil. In addition the sensitivity of the device must be raised to the maximum value, and ground balance must be correct, and it is preferable that search area be ancient and does not contain minerals and things that affect the effectiveness of the device or interference of the signals in the search place.

General Technical Specifications

1. Working Frequency: Multi Frequency
2. Display: 4.3 LED Edgelight TFT Screen 480×272 Pixels
3. Battery: Lithium Ion 7.4 V.2.6 Ah
4. Working Current: Maximum 350 mAh
5. Battery Charger: 8.4-1.5 Ah
6. Communication System: Embedded Special System Processor 32 Bit
7. Battery Working Time: Standby 20 Hours
8. Battery Active Full Working Time: 5 Hours
9. Operating Temperature Range: 0 O C to 45 O C (32 O F to 113 O F)
10. Storage Temperature Setting: -20O C to +80 O C (-4 O F to+149 O F)
11. Slow 2D Live Graphics Search (Slow Search)
12. TRH Numeric Value (Speed Connection)

Uses of the Gold Stinger X5

- Detecting metals of all kinds, including ferrous metals (such as iron) and non-ferrous metals such as silver, copper, platinum and others.
- Detect old or new coins minted made of gold, silver or copper
- Excavation of ancient artifacts such as statues, swords, daggers, weapons, drinking glasses, etc.

Prospecting for natural gold from gold nuggets and gold veins

- Discovering buried treasures such as golden chests, valuable antiquities and archaeological treasures of historical value.
- Detect underground cavities including for example: tunnels, chambers, tombs, catacombs and caves.

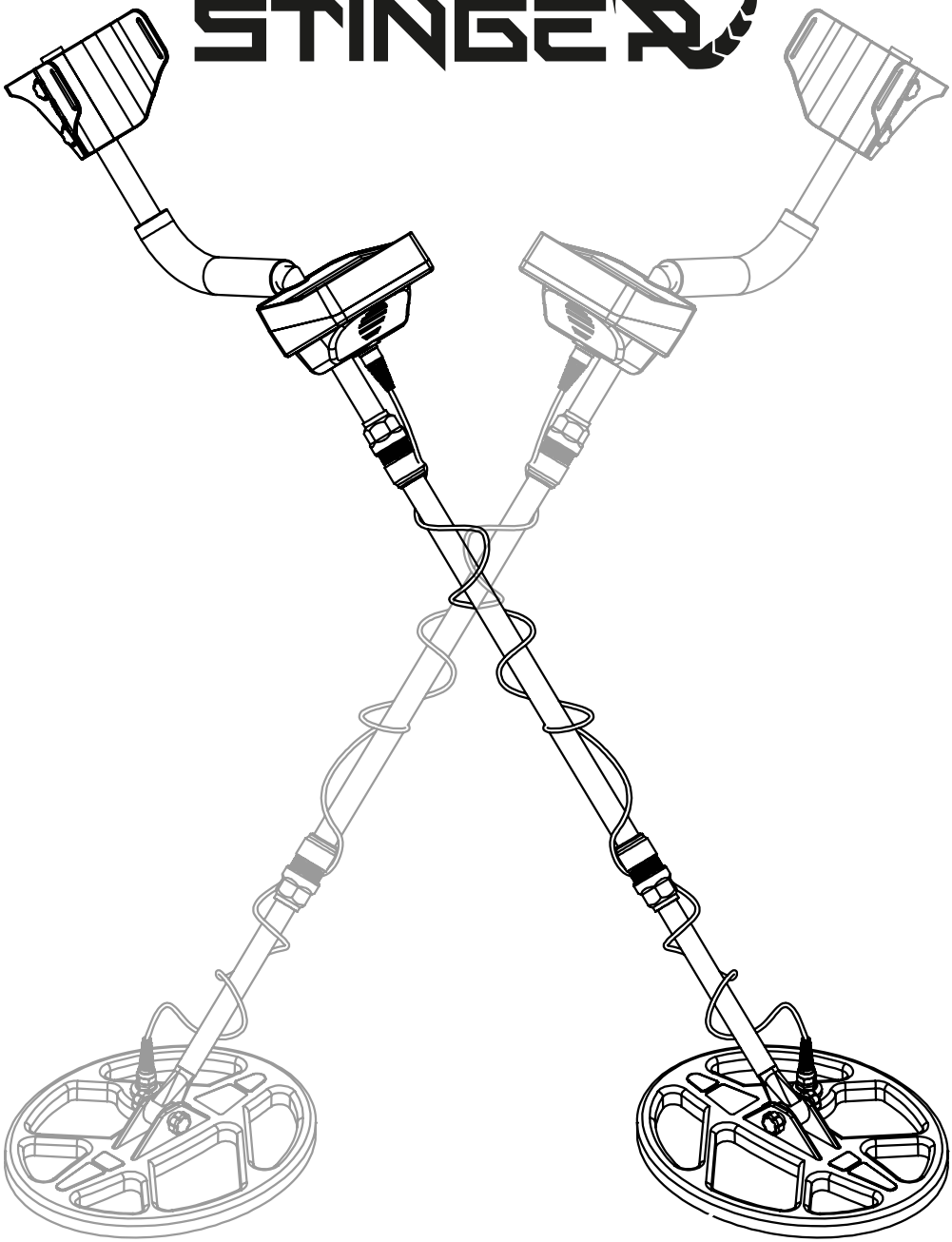
Contact Information

Info Email: info@stingerdetectors.us

Sales Email: sales@stingerdetectors.us

Website: www.stingerdetectors.us

GOLD STINGER X5



Thank you for choosing us.

Stinger Detectors

STINGER DETECTORS
USA TECHNOLOGY

Stinger Detectors devices , made in U.S.A , provide all professional and novice prospectors with the latest reliable technologies to search for buried treasures and find gold, precious metals and coins with advanced, unique and easy-to-use features.

GOLD STINGER X5

Gold Stinger X5

Stinger Detectors guarantees in Gold Stinger X5 a maximum detection depth up to 500 cm so that the device can detect the deepest buried objects and precious treasures, such as gold, silver, bronze, statues, alloys, ancient coins, underground rooms and tunnels.

You can contact us at any time via
Info Email: info@stingerdetectors.us
Sales Email: sales@stingerdetectors.us

You can also always visit our website to see all that is new. Website: www.stingerdetectors.us

OFFICIAL PRODUCT

Gold Stinger X5

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CE

Made in USA
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