



**DEEPTeCH METAL DETECTORS
& ACCESORIES**

DEEPTeCH

Instruction Manual Vista Gold



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CONGRADULATIONS ON PURCHASING YOUR VISTA GOLD!

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DeepTech is always interested in customer opinions. If you should have any questions or comments regarding your Vista Gold or any other DeepTech product, feel free to contact us directly or through your local Authorized DeepTech dealer.

For further product information refer to:

www.deeptech-bg.com



DeepTech encourages all users to read the entire manual to ensure a complete understanding of all the features and functions that your Vista Gold offers.

Assembly

Before assembling your Vista Gold please check that the package includes the following parts:

- **11" Wide scan coil (not to be submerged in water, the coil is water resistant only)**
- **Lower shaft**
- **Middle shaft with camlocks**
- **Upper shaft**
 - Fully assembled with:**
 - **Control box**
 - **Battery compartment with armrest and detector stand**
 - **Padded hand grip**
- **Coil hardware consisting of:**
 - **Rubber washers (2)**
 - **Plastic wing nut**
 - **Plastic bolt**
- **Velcro tabs (1)**
- **Eight 1,5V AA Alkaline Batteries**
- **DVD with the manual and product videos**
- **Limited Warranty Information (in the instruction manual)**
- **Instruction manual (you're reading it 😊)**

If any of the above listed items are missing, please contact us immediately.



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Padded grip

**Upper shaft assembly
with control box**



**Battery box
with sliding
door for the
battery
compartment**

**Arm cup
with strap**

**Middle
shaft
with
camlocks**

**Lower
shaft
assembly**

**11" coil
with
coil
hardware**



1.1 Connecting the coil to the lower shaft

- Place the two rubber washers into the holes on either side of the lower shaft.
- Slide the bottom of the lower shaft into the bracket on top of the coil. Make sure that the spring loaded pin in the lower shaft is pointed downwards.
- Insert the plastic bolt through the hole in the coil and the lower shaft.
- Fasten the bolt with the plastic wing nut. Be careful not to damage the thread of the bolt by over-tightening. The plastic wing nut may need to be loosened to adjust the coil.

1.2 Shaft assembly

- Make sure that the camlocks of the middle shaft are loosened by rotating them counter-clockwise.
 - Push in the spring loaded pin on the lower shaft and slide it into the middle shaft until the pin reaches the desired adjustment hole. Tighten the camlock by rotating it clockwise until tight. Remember not to over tighten.
 - Attach the upper shaft assembly to the middle shaft by pushing the spring loaded pin in the upper shaft assembly and slide it into the middle shaft until the pin reaches the adjustment hole. Tighten the camlock by rotating it clockwise until tight. Remember not to over tighten.
- Remember, the detector should be set to length so that it is straight with your forearm and feels comfortable and light when you pick it up.

1.3 Coil cable

- Wind the coil cable around the complete shaft assembly enough times to take up any slack.
- Use the Velcro strap to keep the coil cable in place.
- Carefully push the coil plug into the socket on the back of the control box. Firmly tighten the retaining ring by hand to hold it in place (do not over tighten).

WARNING! The cable coming from the coil should not be wrapped too tightly in the coil area. Leave enough slack in the cable so you can adjust the coil when you detect on uneven ground. Failing to do this may result in damage to the coil cable or the coil itself.



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Controls

VOLUME KNOB

LED INDICATOR FOR BATTERY LIFE

SENSITIVITY KNOB

IRON VOLUME KNOB

GROUND BALANCE KNOB

RECOVERY SPEED SWITCH

DISCRIMINATION KNOB

BOOSTER ON/OFF TRIGGER

**SEARCHMODE TRIGGER:
SILENT DISCRIMINATION
ALL METAL
2-TONE DISCRIMINATION**

Rear view of the control box



2.1 Power switch



- The power switch is located on the front side of the battery box. This switch is used to turn the Vista Gold on or off.

WARNING! Never remove the coil cable from the control box while the Vista Gold is turned on. This may result in damage to the electronics.



2.2 Sensitivity

Sensitivity is the level of response to a target. The Vista Gold is highly sensitive and has a wide adjustment range. The Vista Gold has an operating frequency of 25 kHz which makes it very sensitive to small targets such as thin silver and gold coins, gold nuggets and jewelry. It is very important to set the Sensitivity level correctly according to the detecting conditions.

A high Sensitivity setting enables the detection of smaller and deeper targets. When the Sensitivity is set to high, the Vista Gold may be affected by minerals in certain soils and signals from electrical appliances. You may need to decrease the Sensitivity to silence false signals or electrical interference. This will result in a more stable operation of the Vista Gold.

Always choose the highest stable Sensitivity setting to ensure best performance. This is done by turning the Sensitivity knob to the right until the Vista Gold becomes unstable; then reduce the Sensitivity by one or two settings until it is stable.

2.3 Ground

The Ground knob is used to adjust the Vista Gold to the soil conditions and correct ground effects encountered during detecting. Mineralization and “Hot Rocks” may cause false signals. Ground balancing the Vista Gold reduces false signals from ground mineralization; more accurately rejects ferrous minerals or pottery containing iron oxides and enables targets to be heard correctly. If there are “Hot rocks”, these can be eliminated by turning the Ground knob to the right.

Learning how to properly Ground balance will give you an advantage over others especially if they are running their detectors in an auto ground balance mode.

2.4 Discrimination

The Disc. knob is used to eliminate iron objects from detection. The Discrimination has a very fine adjustability range. The further the knob is turned to the right in the Disc. Mode (also known as the SILENT DISCRIMINATION MODE, the trigger on the bottom right side of the control box pulled towards you), the bigger the size of the iron object will be that is to be discriminated. In the last third section of the Discrimination scale, small aluminum foil will also be rejected. In the 2 Tone Mode (trigger on the bottom right side of the control box pushed furthest from you), the Disc. knob has a different function. It is then used to allow you to adjust the audio level of the low tone for iron targets.



2.5 Volume

The Volume knob lets you adjust the audio level of the speaker and headphones.

2.6 S/F Recovery Speed Switch (S=Slow and F= Fast)

With the help of the S/F Recovery Speed Switch, you can choose between the Slow and Fast Recovery speed setting.

The recovery speed is measured by the amount of time it takes the metal detector to respond to the next target after responding to the previous.

In the “S” (Slow) position, your Vista GOLD will have a slightly slower recovery speed but depth will increase by about 10%. In “S” position, the recovery speed is still very fast. In order for all targets to be correctly detected, we recommend you use this setting in areas with little mineralization.

In areas with many iron patches and/or high mineralization, we recommend using the “F” (Fast) position. In this position the detector will produce less falsing and at the same time allow you to swing the detector a little faster while still recognizing all adjacent targets correctly.

2.7 Iron Volume

This knob allows you to adjust the audio level of the low tone (the iron signals) in the 2 Tone Mode. Iron has a very special signature that can be recognized with ease. We have assigned it a low-pitched sound together with a volume setting so that you can make the tone more or less conspicuous to suit your personal preference.

In the 2 Tone Mode, this knob allows for improved site analysis and understanding of the detected area in order to find areas of former human occupancy. It also facilitates recognition of large ferrous objects (such as old weapons).

Remember, certain types of moist ground paired with a low mineral content may also trigger low tone signals or chatter. The IRON VOLUME setting may reduce or entirely eliminate this phenomenon which is related to high frequency detectors. Also very large ferrous targets will still give a high tone but are easily identified by the strong signal along with a slight low iron tone at the end of the target.



2.8 Headphone Jack ¼”

DeepTech recommends the use of headphones. When headphones are plug in, the speaker is automatically deactivated.

There a many advantages to using headphones:

- Improves battery life.
- Prevents the sounds from annoying bystanders.
- Allows you to hear subtle changes in the sound and faint signals from deep targets more clearly.

WARNING! Set your headphone volume prior to wear. Ensure that the headphone volume does not reach an extremely loud level. This may increase the risk of hearing damage.

2.9 LED Battery Control

There is an indicator “Low Bat” on the face plate of the control box. If the indicator lights up and stays on, the batteries are almost totally exhausted. At this stage, stop detecting and replace the batteries. If the indicator blinks when a target is detected, the batteries are low. In this case, it is best to replace the batteries at this time. The average battery life is about 20-25 hours. Extremely weak batteries may the reason for false signals. DeepTech strongly recommends to use 8 x 1,5 V AA Alkaline batteries. When using rechargeable batteries, we strongly recommend using batteries with more than 2000mA/H.

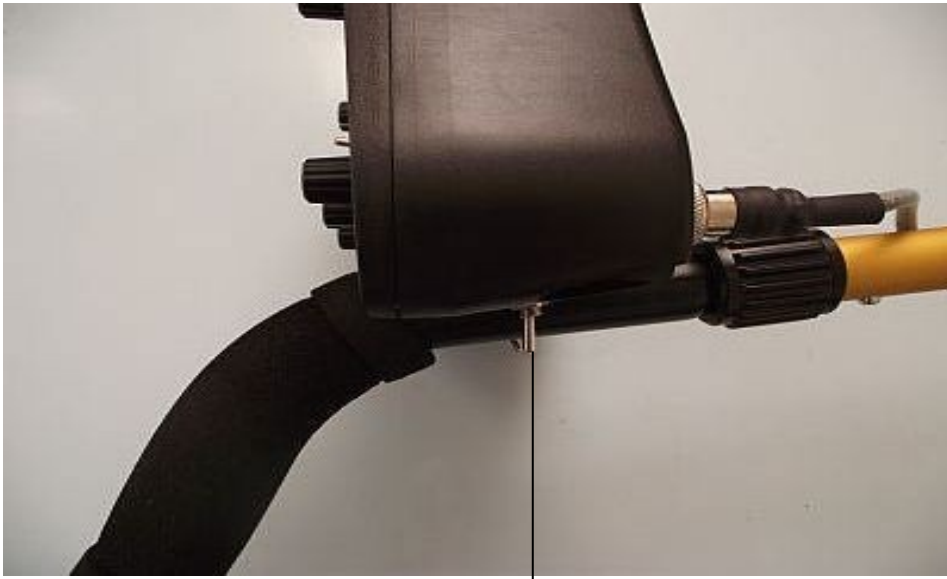
- Remember, the power consumption increases when searching with the Booster ON.



2.9 Mode Trigger: 2 Tone Mode/All Metal/Disc. Mode

The Vista Gold has a three position Mode trigger switch comfortably located on the bottom right side of the control box where it is easily accessible during detecting. The three position Mode trigger switch gives you the option to choose, and quickly switch, between different modes of operation.

- **Disc. Mode or Silent Discrimination Mode**
(Back position, trigger pulled towards you.)



**THREE POSITION TRIGGER SWITCH
BACK POSITION
(Trigger pulled towards you.)
SILENT DISCRIMINATION MODE or DISC. Mode**

When working in the Disc. Mode (Silent Discrimination Mode), ferrous targets will be discriminated by using the Disc. knob. You will hear a high tone if the target is non-ferrous. If the target is ferrous there is no sound or, depending on the size and shape of the ferrous object, short „cracks“. The size of the ferrous object that is to be discriminated is increased as you turn the Disc. knob to the right



- **All Metal Mode**
(Trigger in the middle position.)



**THREE POSITION TRIGGER SWITCH
(MIDDLE POSITION)
ALL METAL MODE**

Use the All Metal Mode (Trigger in the middle position) for maximum depth where soil conditions allow. In this position, you are detecting without any discrimination. All metal targets will sound off with a high tone. We recommended using this Mode only if you do not want any discrimination or where only good targets are anticipated.



- **2 Tone Mode**
 - **Low tone for ferrous objects and High tone for non-ferrous objects.**
(Forward position, trigger pushed from you.)



**THREE POSITION TRIGGER SWITCH
FORWARD POSITION
(Trigger pushed furthest from you.)
2-TONE MODE**

In the 2 Tone Mode, all non-ferrous and ferrous targets which are accepted according to the Disc. knob setting (to the right of the Disc. setting), will give a high tone. All targets rejected by the Disc. knob setting (to the left of the Disc. setting) will give a low tone. You can adjust the size of ferrous target to be accepted by either turning the Disc. knob to the left (the smaller the size of the ferrous target in order to give a low tone) or by turning the Disc. knob to the right (the bigger the size of the ferrous target in order to give a high tone). Big ferrous targets will still give a high tone but are easily identified by the strong signal along with a slight low iron tone at the end of the target.

This Mode is highly effective in iron patches to clearly identify non-ferrous targets among ferrous targets and also to specifically search for certain ferrous targets.

- Remember, the Vista Gold must be properly ground balanced in the 2 Tone Mode for optimum performance.



2.10 Booster Trigger

The Vista Gold has a two position Booster trigger switch comfortably located on the bottom left side of the control box where it is easily accessible during detecting. The two position Boost trigger switch allows you to turn the Booster On (by pushing the trigger in the forward position, furthest from you) or Off (by pushing the trigger in the back position, towards you). When the Booster is activated, you can achieve a 10-20% increase in depth for small targets and a 30% increase in depth for bigger targets. DeepTech recommends you work with the Booster Off on highly mineralized ground. Please remember there will be higher power consumption when the Booster is active.

- **Booster on**
(Trigger in forward position, furthest from you.)



**TWO POSITION TRIGGER SWITCH
FORWARD POSITION
(Trigger furthest from you.)
BOOSTER ON**



- **Booster Off**
(Trigger in back position, towards you.)



**TWO POSITION TRIGGER SWITCH
BACK POSITION
(Trigger towards you.)
BOOSTER OFF**



How to Ground Balance

The following steps will explain how to Ground Balance the Vista Gold. This is a very simple process that allows you to balance the Vista Gold to all types of soil. This is very important in order to obtain maximum sensitivity to small targets and depth.

- Turn on the Vista Gold with the Power Switch
- Set the Sensitivity as described in section 2.2 **Controls/Sensitivity**
- Switch the three Position Trigger Switch to the 2 Tone Mode
- Find an area free of metal targets
- Turn the Ground knob all the way to the left
- Lower the coil about 2 cm (1 inch) above the ground
- Raise the coil up about 15 cm (6 inches)
- Repeat this process as you gradually turn the Ground knob to the right until there is no or very little noise as you lower and raise the coil
- Set your desired level of Discrimination

Your Vista Gold is now Ground Balanced. If the soil conditions change significantly (by moving from a plowed field into a wooded area for instance), you must ground balance your Vista Gold again as described above.

You may Ground Balance in the Disc. Mode or All Metal Mode instead, but setting the Ground Balance in the 2 Tone Mode is more precise. You can then switch to which ever mode you choose. If you are receiving false signals from iron oxides in pottery or “Hot Rocks”, you can then Ground Balance the Vista Gold directly over these objects to eliminate signals from these unwanted targets.



Tips: How to set the Vista Gold

These tips will help to shorten the “learning curve” of the Vista Gold.

- If searching in the DISC. Mode for coins and other non-ferrous targets on highly mineralized ground that also contain many iron patches:
 - Ground Balance the Vista Gold as described in Section 3 **How to Ground Balance**
 - Set the DISC. knob at about 11 o'clock
 - Set the Sensitivity knob between 30 -35 (you may set this value higher if you are not receiving too much “chatter”)
 - Set the Recovery Speed Switch to “F” (Fast)
 - Set the Booster Trigger to the ON position
 - Sweep the detector a little slower (approximately 2 seconds from right to left)

 - Remember, fair amounts of iron in the ground paired with a low Disc. setting will result in “chatter”. This is avoided with the settings described above. If you feel the Vista Gold is still giving you too much “chatter”, reduce the Sensitivity instead of raising the level of Discrimination. If the level of Discrimination is raised under these conditions, more time will be needed to process the signals therefore increasing the detection distance between the discriminated iron object and the desired non-ferrous target in order for the desired target to be detected. With a little practice you will master these difficult conditions with ease.

*This may only happen in the DISC. Mode. Remember, the Vista Gold has a very fast recovery speed even with a high Discrimination setting and will outperform may other detectors.



- If searching in the 2 Tone Mode for coins and other non-ferrous targets on highly mineralized ground that also contain many iron patches:
 - Ground Balance the Vista Gold as described in Section 3 **How to Ground Balance**
 - Set the Sensitivity knob between 30 -35 (you may set this value higher if you are not receiving too much “chatter”)
 - Set the Discrimination to approximately 9-11 o’clock
 - Set the Iron Volume to 10 o’clock
 - Set the Recovery Speed Switch to “F” (Fast)
 - Set the Booster Trigger to the ON position (turn to the OFF position if there is too much “chatter”)
 - Sweep the detector a little slower (approximately 2 seconds from right to left)

The 2 Tone Mode may be used in basically any situation. In this Mode, the Disc. knob has a different function. It is then used to allow you to adjust the audio level of the low tone for iron targets. For example, if the Discrimination is set to “0”, all ferrous targets will emit a high tone. The further you turn the Disc. knob to the right, the bigger the ferrous target must be in order to emit a high tone. If you are searching for non-ferrous targets, it is recommended that the Discrimination is set between 20-30. In the 2 Tone Mode the Vista Gold is extremely fast and sensitive.

- If searching on ground with “normal” mineralization and very few ferrous targets:
 - Ground Balance the Vista Gold as described in Section 3 **How to Ground Balance**
 - Set the Sensitivity as high as possible
 - Set the Discrimination to your liking
 - Set the Booster Trigger to the ON position
 - Set the Recovery Speed Switch to “S” (Slow)

The Vista GOLD is the only detector on the Market to date that is capable of the same depth and recovery speed results in all 3 (All Metal, Disc. Mode and 2 Tone Mode) search modes.



Troubleshooting

- The Vista Gold will not power on:
 - Insert Batteries
 - Replace Batteries
 - Batteries installed incorrectly
 - Battery pack not connected

- Excessive false signals:
 - Sensitivity too high
 - Incorrect Ground Balance
 - Coil cable loose or not connected

- The Vista Gold is producing only long tones:
 - Incorrect Ground Balance
 - Very high ground mineralization (repeat Ground Balance process on objects producing these tones)



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6. Technical Specifications

- Operating Frequency.....25kHz
- Detector typ.....motion
- Sensitivity control
- Volume control
- Manual Ground Balance
- Three Modes of operation:
 - DISC. Mode
 - 2 Tone Mode (low tone for ferrous objects and high tone for non-ferrous objects)
 - All Metal Mode
- Recovery speed.....Very fast
- Booster
- Pinpoint
- Searchcoil Type2D
- Searchcoil Size.....11"
- Cable Length (approx.).....53" (135 cm)
- Audio Frequency(approx.).....780/390 Hz
- Weight (with batteries).....(approx.)1400g.
- Power Consumption (Booster OFF).....43 mA
- Power Consumption (Booster ON).....52 mA
- Batter Requirement – we strongly recommend to use 8 x 1,5 V AA Alkaline Batteries or rechargeable Batteries with more than 2000mA/h
 - Battery Life (typical).....20-25 hours
 - LED Low Battery alert
 - Operation Temperature Range.....10-40 C
 - Optimum Humidity..... 0 to 75% R.H.



7. General Advice

Metal Detecting is an activity, which like other leisure activities requires some guiding principles. The following recommendations will allow you to fully enjoy your hobby while respecting laws, environment and other people.

- Enquire about and abide by the laws in force of the country or the state before searching. It is your responsibility to know them and to abide by them.
- Always ask permission of the land owner where you want to search.
- Have respect for nature and the environment in which you are searching.
- Don't forget to fill all holes you dig and properly dispose of any trash.

WARNING! Avoid detecting in zones where battles took place during both World Wars. Report any suspect object you might discover to the authorities.

Joining a Metal Detecting Club in your area is an easy way of enjoying and sharing this wonderful hobby with others. This is also an easy start as how to properly abide to the ethics of Metal Detecting. Since this is only a guide, you are of course responsible for actions on any property you decide to detect. Always leave the area neat and clean.

We would like to thank you again for purchasing a DeepTech product.

Should you have further inquiries, feel free to contact us via E-mail, fax or phone. We appreciate any comments or suggestions. Leaving feedback and suggestions will help to improve our products, if necessary, for everyone to enjoy.



8. Limited Warranty Information

- This detector is for outdoor use only. Many household appliances emit electromagnetic energy which can interfere with the detector.
- Use only Alkaline Batteries.
- Use only stereo Headphones.
- Do not store the unit in excessive heat or cold.
- Keep the control box away from water.
- Be careful with the coil cable.
- DeepTech warrants your consumer or industrial product against defects in material or workmanship for a period of two years on the control box and one year for the search coils from the date of purchase. This warranty is not transferable.
- Any alternation of the electronic circuit by an unauthorised person will void the warranty.
- This warranty does not cover damage due to a fall, shock or accident, deteriorations due to abnormal use or cable breakage of the search coils or of one of its conductors.
complete with proof of purchase and a written explanation describing fault.
- DeepTech reserves the right to change the design or specifications of its detectors without notice.

