

# **T** Diamond & Gemstone **ITAN GER 500**



**GERMAN INDUSTRY**  
**WWW.GERDETECT.DE**



### *Critical Warning*

...

Please be sure that all precautions taken against risks

Do not use your device while it is raining or on extremely wet floor

Turn on your device after you make sure that all parts are in place

Make sure that the device battery is fully charged before searching

If the battery starts to give a peep sound, close the device and recharge the battery

Do not start the pulse induction system without connecting the coil cable to the device, other ways the device will stop in the middle of opening

It is recommended to read the user manual before start working on the device to understand everything and to avoid mistakes doing the search

After the device start make sound and turn off automatically put the battery on charge and do not try to start the device without charging the battery

## TITAN GER - 500

... DIAMOND AND GEMSTONES DETECTOR ...



### Overview

- Dear customer, thank you for choosing the TITAN GER – 500
- This device enables you to detect underground diamond & gemstones
- TITAN GER – 500 designed to reach 65 meters under the ground
- and 3000 meters front range
- Works by long range system to confirm your target
- and identify the target underground and its depth

Be aware of high voltage resources, and do not use any charger other than the original charger that come with the device

Main unit of the device is under warranty against all electronic breakdowns for two (2) years

Any damages caused by user errors (laying open the main unit, hits, harms etc.) are not within this warranty

Battery and antenna are also not within this warranty  
You should follow the instructions in this user manual strictly to minimize the faults and to use your device correctly

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### The Long-Range System

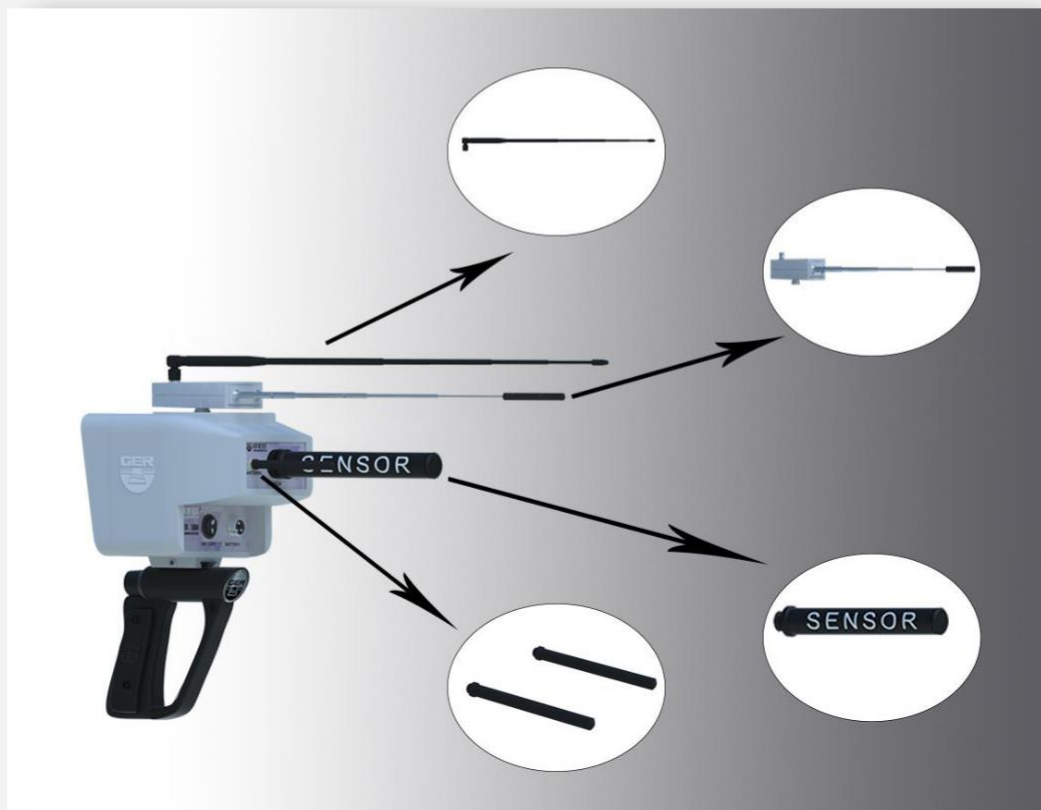


Figure (1) the long-range system components

This system specializes to cover vast areas and locate the target within 1-meter Square up to depths of 65 meters below the surface of the ground and Front Range up to 3,000 square meters.

### The long-range system parts

Connect the handle  
to the device



Figure (1) The handle



Connect the signal boosting  
sensor



Figure (2) boosting sensor

Connect the  
transmitter antennas



Figure (3): Transmitter antennas

Connect the Signal  
Recipient



Figure (4): Signal Recipient

Connect the Recipient  
Antenna



Figure (4): Recipient Antenna

- Connect the  
battery cable and  
Switch the device  
through **ON / OFF** button



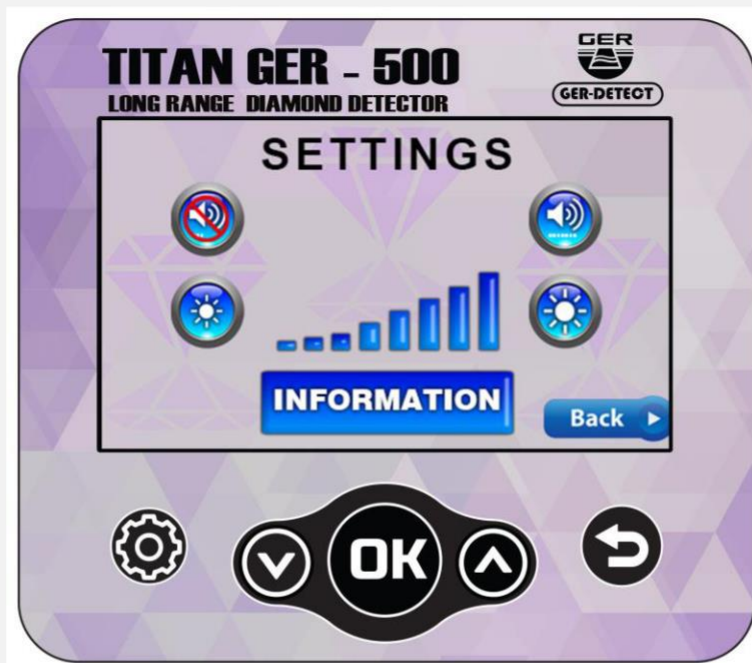
Figure (5): (ON / OFF) button



Figure (6): languages list

Click on the screen of the device to display the languages list the device works on four languages:

(GERMAN - ENGLISH - FRENCH - SPANISH - ITALIAN - ARABIC)



Settings menu (Sound Adjustment – brightness adjustment, and the device information)





Figure (9): Front Range Options

After selecting the language, you want to work in (English for example)

The target types menu will appear, choose the target type to be search for from a list of options through pressing on the type name,

(big diamond for example)



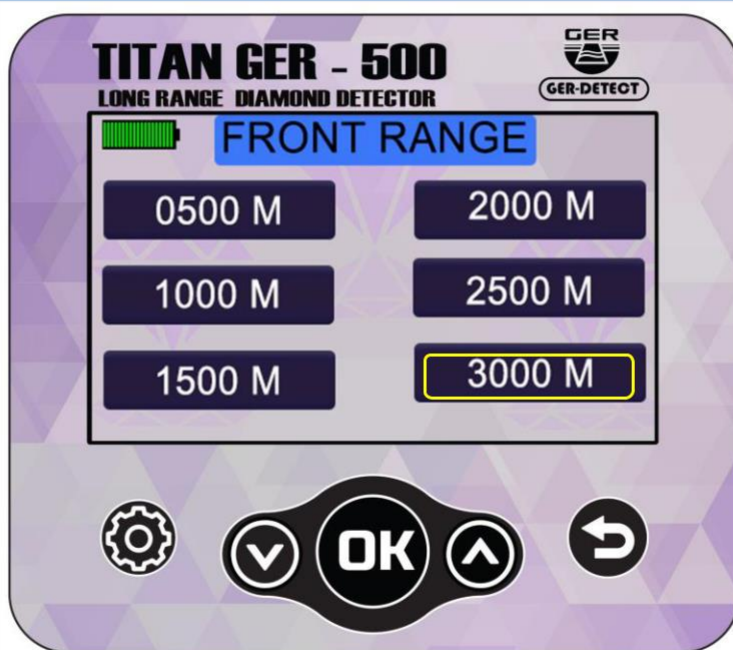
You can flick through these lists with the **NEXT** button

It's got a list containing a wider range of gemstones, which are **18** different kinds.



Select the type of soil desired in the search area:  
(natural - clay - rocky - sandy - mixed - mineralized).





Increase the length of the antennas receiving a signal  
To able the device to detects targets even to **3000 meters**



After selecting the Front Range, the digital compass will appear, Fix the device at a 90-degree angle for the compass to work properly, then Press the "Skip" button on the screen or the "OK" button on the keyboard.

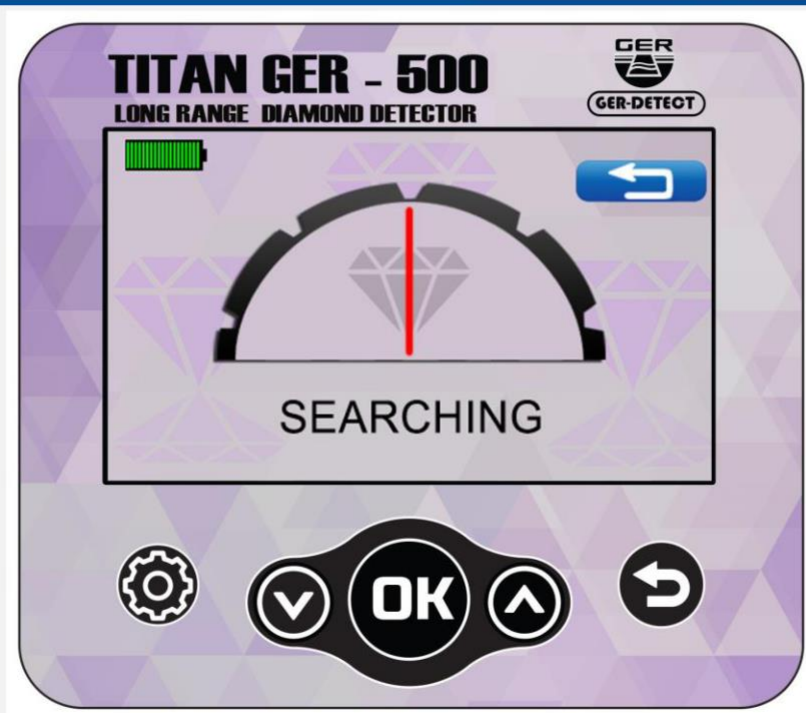


Figure (10): search screen

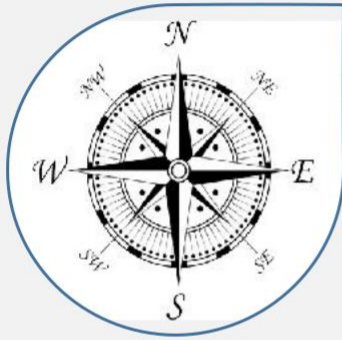
After pressing on skip button, the light signals will appear directly on the screen confirming that the device is sending and receiving signals that guide you directly towards the target.

When a signal is captured, the device will immediately turn around towards the target.

On the smart screen, there will appear the direction of the detected target alongside a beep at the location of the target.



Figure (11): Increasing the length of the antennas



North to South

South to North

East to West

West to East

After detecting the target, confirm the target from four directions

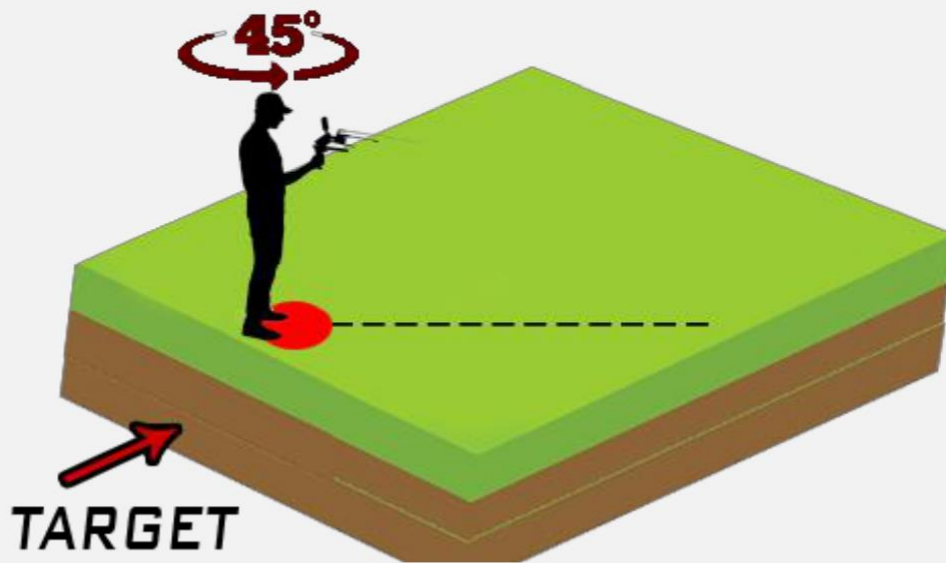
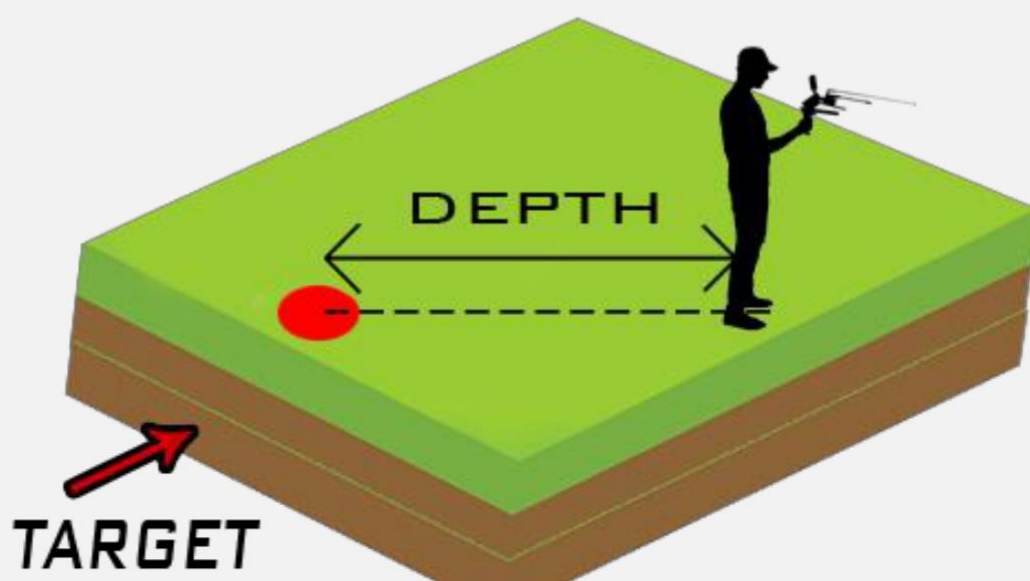


Figure (14): determine the depth

To determine the depth of the discovered target, stand above target and turn **45 degrees**

Walk straight ahead until the antenna reverse to the back





Measure the distance between the antennas reversing back and the target center point.

The distance between the antennas reversing back and the center point is equal the target depth

For **example**, if the distance is **3 m** the depth of the target is **3**.

**Note:** The target must be buried underground for many years so that by the time and interaction with the soil's composition, an ionic field will be formed which will help prospectors to detect the target.

Therefore, testing the device on diamonds or gemstones laid on the ground or newly buried under the ground will not show the real capacity and functionality of this device to detect the target or to reach larger depths.

The reason for that is that the ionic fields are radiations from diamonds or gemstones that have been in the ground for a long time and have intersected and interacted with the soil and the nature of the earth as well as having been regulated with magnetic fields north and south – These features do not actualize in diamonds or gemstones when they exist on the ground or newly buried.

### Warning



If you want the device work well without errors you have to follow next steps

When using the device please do not wear the watch



When using the device please do not wear the jewelry



When using the device please get away from metal, lighter and mobile phone



Please take off the belt



The shoes should not contain any metal



Stay away from the car



Stay away from electrical ground power lines or any surfacing electric

