Available on the Google Play

GEOGROUND

GEOPHYSICAL GROUND MEASURING

3D ANALYZER



GET IT ON Google Play

Scan the QR code

Download the app:

Read the code on the cover, or enter the Play Store and type in Search field "**Geoground 3D Analyzer**". Install the application on your smart device and follow the steps below to connect with your new device.

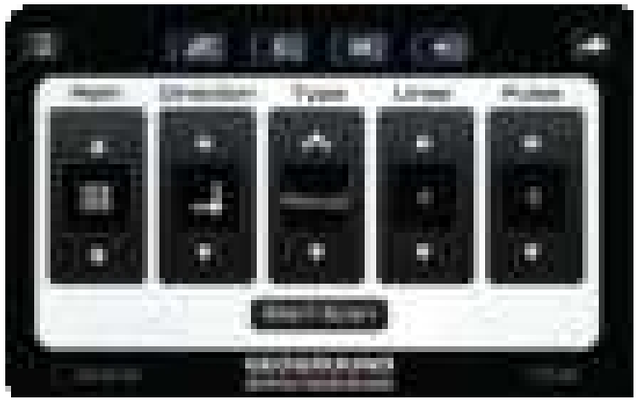


After launching the app, you will first see an alert to start searching for your device, choose your device from the list of available devices and give the necessary permissions to the app for the connection.

Note: In order to quickly connect or disconnect, we press the connection icon located in the status bar at the top of the main screen.

After entering the 3D ground scanning option in the application, the system settings screen will appear in front of us first.



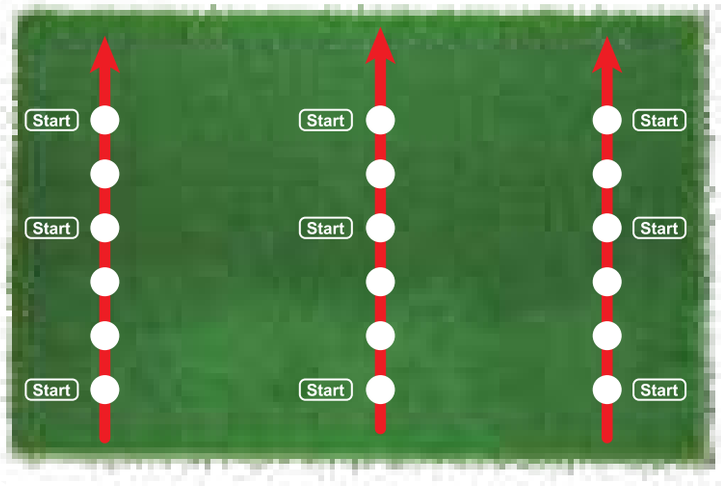


Before we adjust the settings of the ground scanning system from the application, the user must first specify the path that he will take during the search and the starting point of the direction in the specified path, in order to make the device determine and study the target area more accurately.

2 Path&Direction

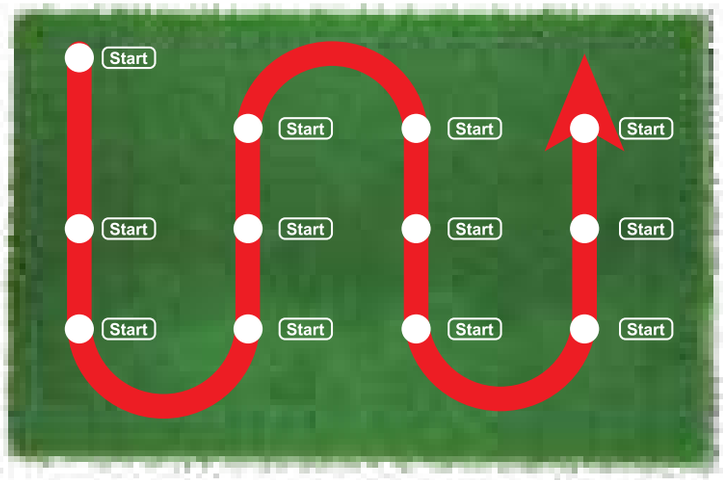
1-Path: From this option, we can specify the path by which we want to search.

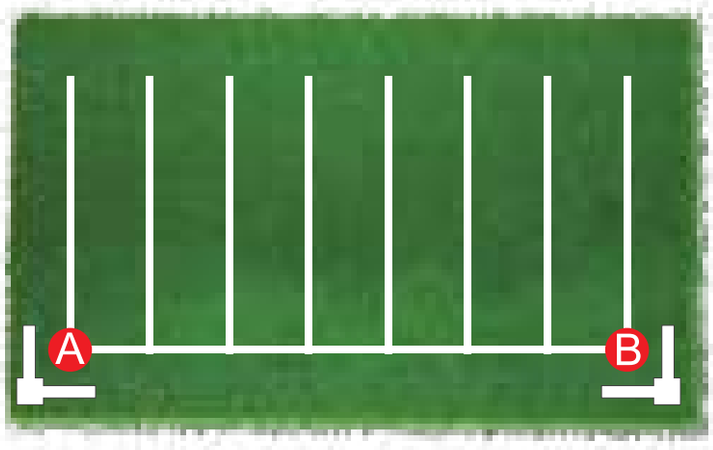
Parallel Path: In this path, the search lines are straight, parallel, and equal lines before the start of the first line, and at each step you take, the user must press this start button if we have chosen the "manual" search type. We also always recommend that the distance between one step and the other be an estimated 30cm. We repeat this process for each line we take, until we have finished all the marked lines.



(Please read paragraphs 3 and 4 on the following pages for how to calculate the number of lines and pulses in both the parallel and zigzag paths).

Zigzag Path: In this path, follow the zigzag method, as shown in the drawing on the side, remembering to press the Start button at the beginning and end of each step you take in this path. We also always advise that the distance between one step and the other be an estimated 30cm as well.

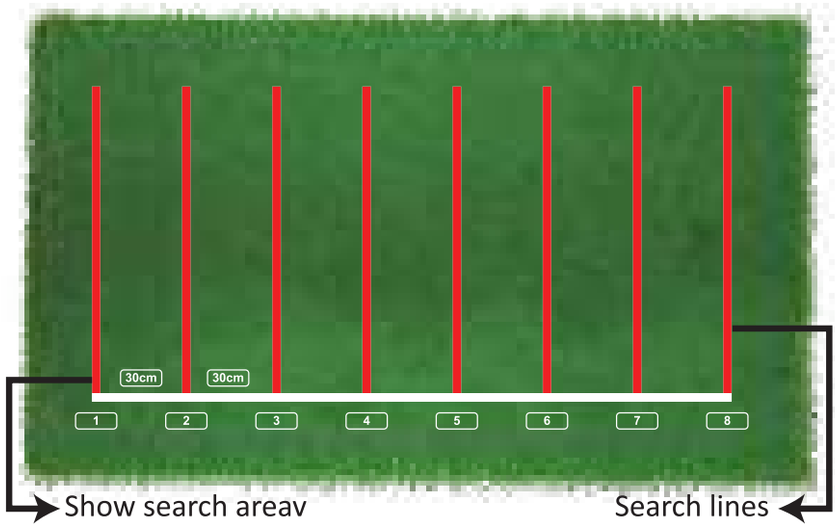




2- Direction: the angle of the search area

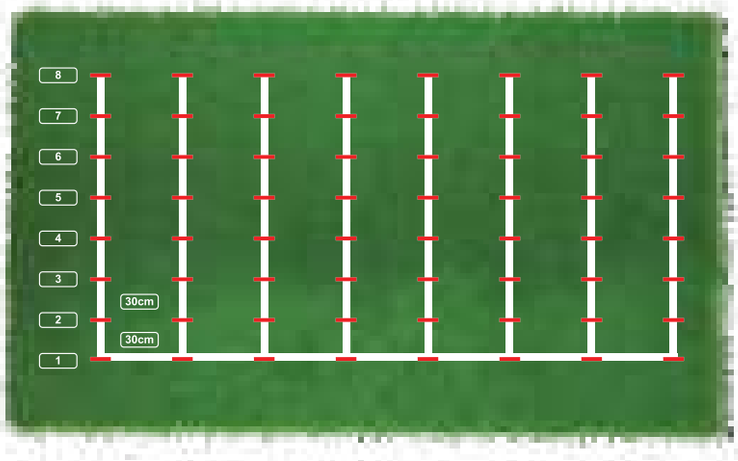
From this option, we can select the starting point from which the search will start, so that this point is in one of the corners of the specified search area. If we are going to start the search from point A, for example, we must specify this direction drawn as follows ( ) in the “Direction” option from the system settings, and vice versa for point B.

3- Lines: The process of calculating the number of trajectory lines in the search area: Let's say first that we want to search in an area 2 meters wide and 2 meters long, we divide the line of latitude that we drew into parallel and longitudinal lines "based on it" so that the distance between each line and the other is 30cm, In this case, we will produce "almost" a total of 8 lines based on the latitude that we previously determined. You write the number of fonts that we calculated, which is 8, in the “Fonts” field of the system settings in the application.



4- Pulses: The process of calculating the number of pulses for each line in the paths: The “number” of pulses is the number of times we will press the Start button on the wireless handle while searching in the path lines. To calculate the number of pulses in the search lines..and as we previously assumed that the length of the area The search is 2 meters, that is, the length of the lines that we specified in the previous paragraph will be 2 meters as well. We divide the line of longitude or the previous lines into equal sections, or we call them pulses, so that the measurement of one section or the distance between each pulse and the other is 30 cm. In this case, we will have "Almost" with a total of 8 pulses in each of the lines that we previously defined. We write the number of pulses that we calculated, which is 8, in the "pulses" field of the system settings in the application.

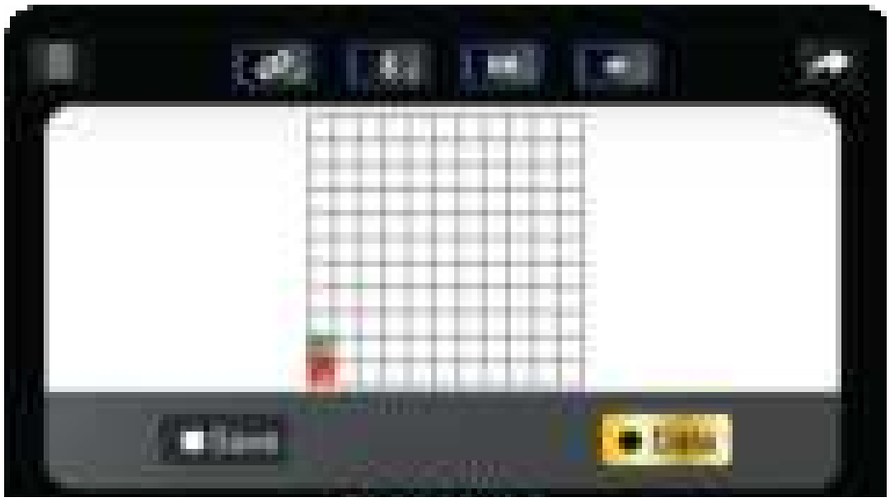
The white lines in this drawing indicate the eight search lines that we identified in the previous paragraph, while the red lines drawn on the white lines express the impulses that we will make in these lines.



5- Type(search type): by this option we can choose how pulses are recorded either automatically or manually, When selecting "Manual" option the user have to press Start button located on the wireless handle of the device at each step by step in one of the previous paths (as shown in the previous paragraphs, this is in contrast to the “Automatic” option so that the application here calculates the number of pulses in each A search line from the automatically selected paths, meaning there is no need to press the Start button manually at each step, but the user will have to press Start at the beginning and end of each line only.

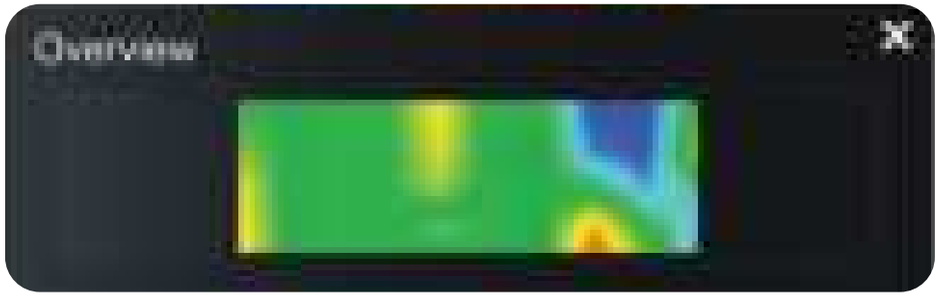
After completing all the previous settings, we press the "Start Scan" button at the bottom of the screen.. Skip the video tutorial and start searching with the previous settings.





We will notice that with every step we take in the paths, the application will start drawing 3D details. Complete the search process as we prepared it until a window appears on the screen stating that the search process has been completed successfully.

We review the result of our search. Then we save our search file in the application, in order to view it better later.



After entering the 3D drawing file, we can move the drawing formed in the middle of the screen in the direction and perspective we want, as if it were in 3D space.

5 Settings

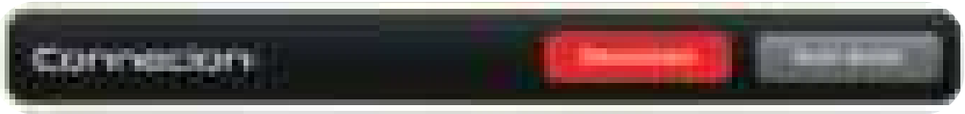
Settings: Language from Setting menu we can change the language of the application , as the app support eight most different widespread languages.



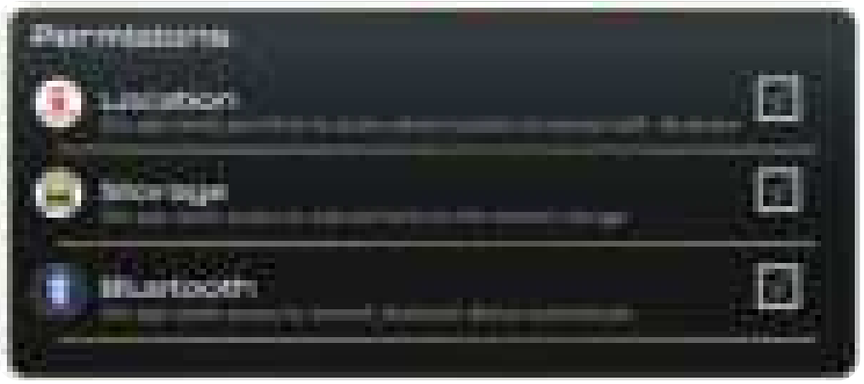
We can also change the language faster by returning to the main menu and pressing the language icon on the top bar. A list of the eight available languages will appear.



From the connection option in the settings, we can access the option to connect the device to the application, or to disconnect with the device. We can also access the Quick connect feature from the top bar of the main menu.



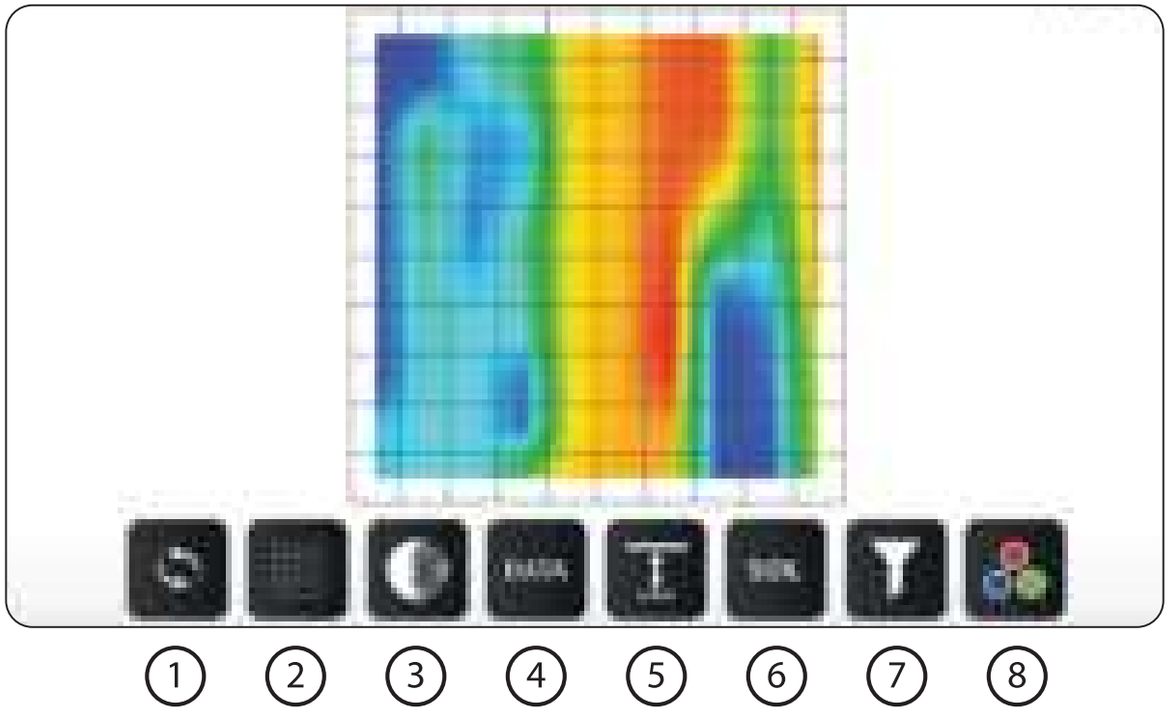
It should also be recommended to open Bluetooth before starting to connect the device, or to give permission to the application to automatically open Bluetooth technology. We can turn on bluetooth from the bluetooth icon present in the top bar.



Permissions To turn on or off an app's permissions (location, storage, bluetooth), we can just click on the box next to the option.

In order to access information about the Geoground company or the connected device, we can click on the right pop-up window.

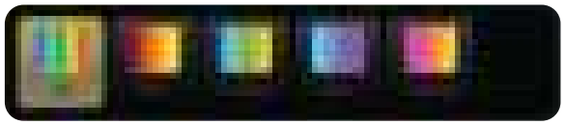
This app is private and exclusive to Geoground. This application only works with Geoground devices that support 3D ground scanning systems. Download the application and connect it with your device to start the journey of detecting the largest targets in a professional and easy way.



1- **Settings and Drawing Reset** view for the automatic and main mode.
2- **The ground grid** or the surface of the search area.
3- **The wireframe** or clear line vision of the drawing.
4- **Search results data**.
5- **The approximate depth** in each search box (grid cell).
6- **Soil** for the search area,choose... the appropriate type of soil from 15 natural types - cement - clay - sandy - clay - high minerals - low minerals - rocky - fresh water - salty water - snowy - permafrost - charcoal - granitic - saline.
7- **Color filter** It is used to hide one of the colors of the drawing.



8- **Color themes** of drawing color gradations.



We can refer to the file of the search we have done at any time we want through the files section of the application.

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