

BR 950
PROFESSIONAL
Geophysical
User Manual

Safety information:

The components used in this device are subject to damage. Therefore, please adhere to the following information to maintain your safety and the device safety.

Before you start using the device, please read the manual carefully several times and understand it well, because the wrong use of the device may lead to damage or harm to the device.

You must pay attention and adhere to all information and warnings in the user manual before operating the device.

When assembling the device, make sure that all parts are connected correctly. And in case you need any assistance during the installation process, please contact the technical support team and ask for assistance.

After you have finished using the device, please return the device to its case to protect it from any possible damage.

The device must be stored in an environment free from negative electrical charges, away from moisture, and at a temperature below 50°C.

Turn off the device completely before saving it.

Make sure that the electrical socket provides the same voltage

Safety information:

indicated on the charger before plugging the charger into the socket.

If any of the following things happen, please contact the technical support team and request assistance:

- 1- A liquid substance penetrated the device
 - 2- The device was exposed to high humidity
 - 3- The device does not work well or you cannot operate it according to the user manual
 - 4- In the event that the device is dropped and damaged
 - 5- If there is a clear sign of damage or harm to the device
- Please keep the user manual for future reference.

Introduction

Thank you for your trust and purchase of BR devices
BR devices known worldwide for their efficiency in the field of metal detection and locating gold and treasures with high accuracy, now in your hands. This device will provide you with the most accurate and best results during the search process and you will be able to track the location of your target easily and quickly, because BR devices are equipped with the latest and best systems in this field.

For best results, please follow the information in this guide accurately and correctly to reach your target.

Technical specifications

The BR 950 PROFESSIONAL is one of the newly developed devices by BR detectors, a well-known company in the field of groundwater detection devices.

This version of the device outperforms its predecessors by providing greater capabilities and high-precision results

Screen : colorful screen 5 inch (800*480 pxl)

Languages: English, French, German, Spanish, Turkish, Russian, Urdu, Arabic, Persian and Italian.

Casing : Safety suitcase designed especially for BR 950 PROFESSIONAL components and parts.

Warranty : Three years real warranty.

The BR 950 PROFESSIONAL features a high-accuracy geophysical search system that measures soil resistance and detects changes in electrical charges between soil layers and thus determines the location, depth and quality of the detected water.

Targets: Fresh water - mineral water - salt water - all types of water.

Package Contents and Components

The complete package of the BR 950 PROFESSIONAL contains the following: a shock-resistant plastic case that contains the system to be controlled by a monitor and a control panel within the bag - 4 metal probes with a length of 35 cm - 4 spools of connecting wires - 4 Clips - (charger) 12 V- 1A- Portable battery pack to power the device (Input: 12.6V - 2A & - 3A Output: 12V)(9000 mAh Capacity:)



Device overview



Keys & Buttons



Power Button hold down to start or turn off the device.

OK confirms and selects options in the menus.

Back button cancels or retreat to previous page.

Left, Down, Up and Right buttons navigate through options and menus.

Settings Button activates settings menu for a quick access.

User Interface Layout



- 1- Current search system header
- 2- Time and Date.
- 3- Battery remaining capacity.
- 4- Selected Language.
- 5- Search systems.
- 6- Browsing saved scans .
- 7- Device settings.
- 8- Turning off the device safely.

Settings



Language Settings.

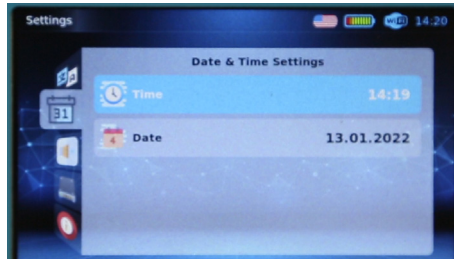
The user can select the desired language for the system and scan results.

The device supports the following languages:

English, German, Turkish, Arabic, Persian, Russian, Urdu, French, Spanish and Italian.

Press OK to select a language and change the settings to it.

Settings

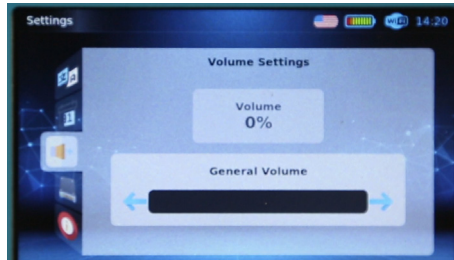


Time and Date settings

The user can change and set the correct time and date settings for the current time zone.

Saving a scan will always tag the current date and time for ease of navigating and future viewing.

Settings



Volume Settings.

The user can change the volume of the device for a clear feedback from the system and notifications.

Settings



Device Reset.

The user can clear the memory from all the saved scans for a quick and easy way to refresh the device.

Also a complete reset of all the scan parameters and clearing the saved scans is possible using the factory reset feature.

Settings



Device Info.

This interface shows the user the Brand, Device Model, Software Version and the Build Number of the device for more information about the current device and maintenance.

Scan systems

The system used in the search process in the BR 950 PROFESSIONAL is the advanced geophysical research system that has proven its effectiveness in the field of groundwater detection and is the preferred system for the majority of geologists and well drilling companies.

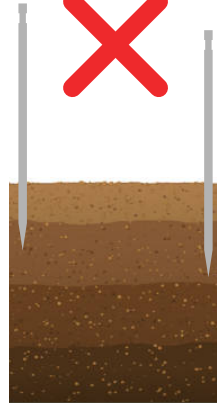
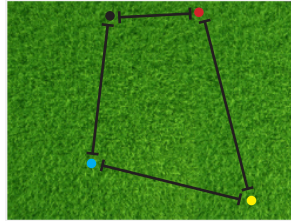
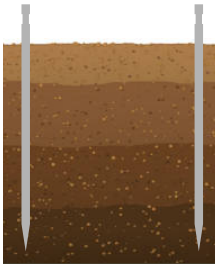
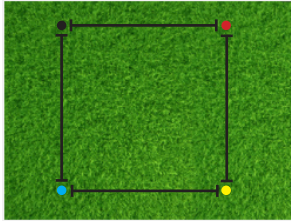
Search method:

First, choose a safe place must be chosen to place the device away from vehicles and drilling machines, and then the user inserts the probes into the soil in different locations within the area to be scanned.

The user connects the probes embedded in the ground to the connecting wires, which in turn are also connected to the main device in its place on the main panel of the device.

The user must also make sure that the sensors are fully embedded in the soil to get a better result, and then the user adds a little water to the soil where the sensor is located to stimulate the electrical charges.

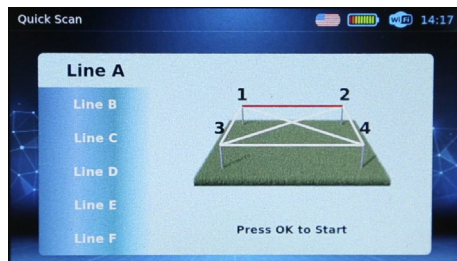
Then everything is ready to start the scanning process.



Quick Scan

The BR 950 PROFESSIONAL has 3 scan modes:

Quick Scan, and in this way, the user can scan between two points only out of six possible points to perform a quick scanning process between the two selected points only without the need for a comprehensive scanning process and thus obtains the result in one specific place accurately and quickly, and after choosing the scanning path line, the device scans and the result appears on the screen with the percentage of salinity and the depth of the water detected.



Quick Scan Method

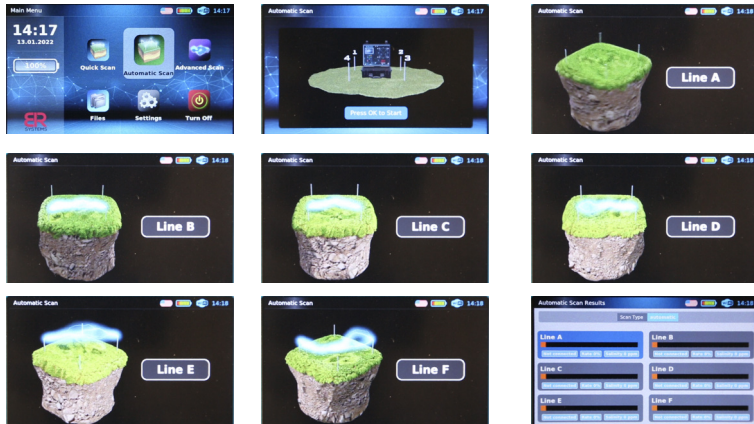
Make sure that the electrodes of the ground survey cables are connected according to each color to the device. Also, make sure that the clamps are connected to the cable electrodes and to the ground probes attached to the device, and then place the probes in the soil in a regular square shape.

Using the arrow buttons, you can choose the Quick Scan system from the main menu

It is possible to conduct a geophysical survey between two points, each of which forms a line among the six lines, which are the sides and diagonals of the square, so that the result of scanning each line separately appears clearly on the device screen, where it is possible to identify the precise details of the survey for each line and review the rate of water percentage, salinity and depth .

Automatic scan

Automatic scan: This process is very easy, as the device performs a comprehensive scanning process for all six points, and then shows the comprehensive result on the device screen for each two points separately so that it shows the percentage of water salinity and depth, and then you can save the result in the device's files.



Automatic Scan Method

Make sure that the electrodes of the ground scan cables are connected according to each color to the device. Also, make sure that the clamps are connected to the cable electrodes and to the ground probes attached to the device, and then place the probes in the soil in a regular square shape.

Using the arrow buttons, you can choose the Automatic Scan system from the main menu and press the OK button to start the scanning process

It is possible to conduct a comprehensive geophysical scan of all the six lines that make up the sides and diameters of the square so that the result of the scan appears clearly on the device screen with accurate determination of the details of the rate of water percentage, salinity and depth in each line

The scan result is automatically saved in "Files" which can be accessed from the main menu and review the previous search results.

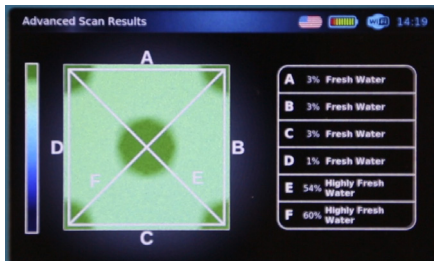
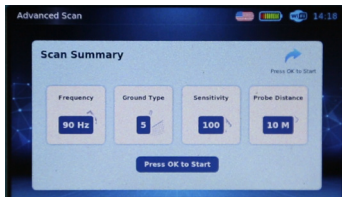
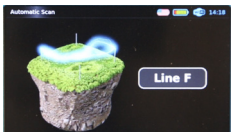
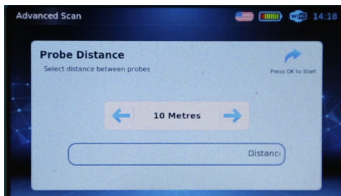
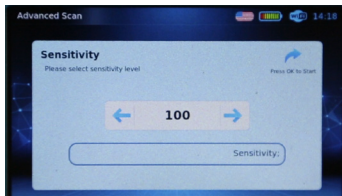
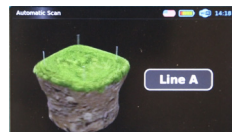
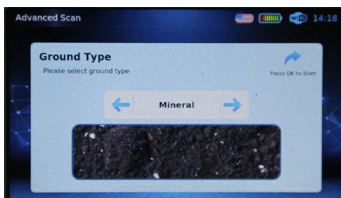
Advanced Scan

Advanced Scan: In this way, the user can conduct a more advanced scan, as you can select multiple options on which to base the survey in order to suit the environment and nature of the target place, and these options are:

The signal frequency, the nature of the soil, whether it is mixed, neutral, rocky, clay, sandy or mineral in addition to the degree of sensitivity and the distance between the probes to be searched, and then the user appears on the screen a summary of the choices he made before starting the search process to review and verify them and then a comprehensive search process begins with the settings set by the user, and the result that will appear on the screen will be the comprehensive result.



Advanced Scan



Advanced Scan Method

Make sure that the electrodes of the ground scan cables are connected according to each color to the device. Also, make sure that the clamps are connected to the cable electrodes and to the ground probes attached to the device, and then place the probes in the soil in a regular square shape.

Using the arrow buttons, you can choose the advanced scan system from the main menu and manually control the signal frequency, and then press the OK button to move to the list of land type selection, where it is selected according to the nature of the search area. Ranging from 5 meters to 50 meters

When you press the OK button, a summary of the scan will appear according to the search settings that were selected in the previous steps

Then the device is ready for the scanning process, which begins by simply pressing the OK button

It is possible to conduct a comprehensive geophysical scan of all the six lines that form the sides and diagonals of the square so that the result of the scan appears clearly on the device screen.

Advanced Scan Method

Using the arrow buttons, you can view a three-dimensional image of the layers of the earth that were scanned using the advanced scan system.

The scan result is automatically saved in “Files” which can be accessed from the main menu and review the previous search results

Warranty Terms and Conditions

A. Extent of limited warranty

1. BR SYSTEMS warrants to the end-user customer that the BR SYSTEMS product specified above will be free from defects in materials and workmanship for the duration specified above, which duration begins on the date of purchase by the customer.

2. For software products, BR SYSTEMS limited warranty applies only to a failure to execute programming instructions. BR SYSTEMS does not warrant that the operation of any product will be interrupted or error free.

3. BR SYSTEMS limited warranty covers only those defects that arise as a result of normal use of the product, and does not cover any other problems, including those that arise as a result of:

- a. Improper maintenance or modification;
- b. Software, media, parts, or supplies not provided or supported by BR DETECTION;
- c. Operation outside the product's specifications;
- d. Unauthorized modification or misuse.

Warranty Terms and Conditions

4. For BR SYSTEMS products, the use of a non-BR SYSTEMS accessories does not affect either the warranty to the customer or any BR SYSTEMS support contract with the customer, However, if product failure or damage is attributable to the use of a non-BR SYSTEMS accessory, BR SYSTEMS will charge its standard time and materials charges to service the product for the particular failure or damage.
5. If BR SYSTEMS receives, during the applicable warranty period, notice of a defect in any product which is covered by BR SYSTEMS warranty, BR SYSTEMS shall either repair or replace the product, at BR SYSTEMS' option.
6. You can request warranty services through BR SYSTEMS or any approved seller or distributor.
7. In case of maintenance inquiry, you can request maintenance through our approved sellers or agents and the customer shall pay only shipping costs during warranty period.

Warranty Terms and Conditions

8. This Warranty Card will not be considered as valid until the customer fill the registration form on BR SYSTEMS TECHNOLOGY'S website, and warranty begins on date of purchase mentioned on warranty card.

Online Registration Form Link; <http://www.brdetector.com/register-check-guarantee/>

B. Limitations of warranty

NEITHER BR SYSTEMS NOR ITS THIRD PARTY SUPPLIERS MAKES ANY OTHER WARRANTY OR CONDITION OF ANY KIND, WHETHER EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, SATISFACTORY QUALITY, AND FITNESS FOR A PARTICULAR PURPOSE.

C. Limitations of liability

1. The remedies provided in this Warranty Statement are the customer's sole and exclusive remedies.

Warranty Terms and Conditions

2. EXCEPT FOR THE OBLIGATIONS SPECIFICALLY SET FORTH IN THIS WARRANTY

STATEMENT, IN NO EVENT SHALL BR SYSTEMS OR ITS THIRD PARTY SUPPLIERS BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER BASED ON CONTRACT, TORT, OR ANY OTHER LEGAL THEORY AND WHETHER ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

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