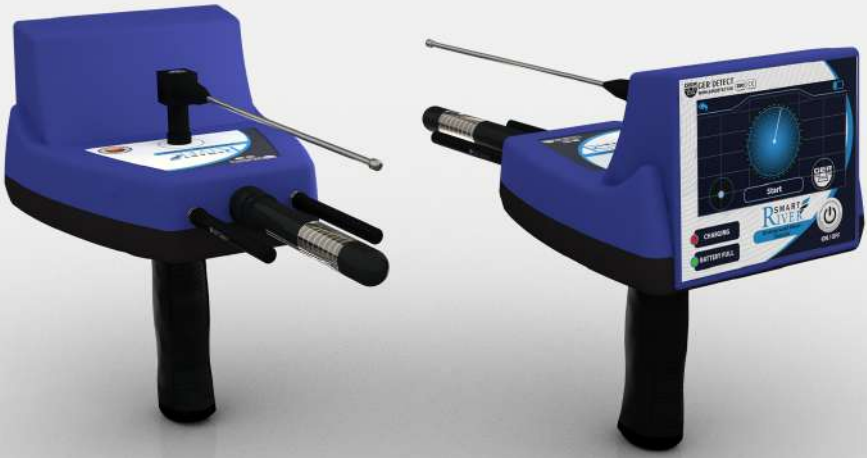
SMART RIVER

GER DETECT



RIVER F SMART

User Manual

www.gerdetect.de

SMART RIVER

USER MANUAL

ENGLISH

GER DETECT

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Critical Warnings

- Please make sure that all precautions are taken against risks.
- Do not use the device during rain or in areas where it has rained within the past 15 days. Wait 15 days after rainfall before using the device in such areas.
- Turn on the device after you ensure all parts are in place and connected.
- Make sure that the device battery is fully charged before you start searching.
- When the battery is nearly drained, the device will automatically turn off.
- It is recommended to read the user manual before using the device to avoid mistakes during the search.
- Be aware of (energy sources - phone networks - metals - mobile phones electronic devices), and do not use any charger other than the original one.
- The device's main unit is under a two-year warranty against all electronic breakdowns, any damages caused by user errors (falls, opening the main unit, hits, harms, etc.) are not covered within this warranty.
- Battery, charger, and other accessories are not covered by the warranty.
- You should strictly follow the instructions in this user manual to minimize faults and to use your device correctly.
- In situations when the device is misused or has a high noise level, it will not be able to confirm the target and determine the depth.

Overview

- RIVER F SMART device has been developed with the addition of more systems, new characteristics, and new professional techniques in finding water resources from long distances, and determining the depth with ease and accuracy.

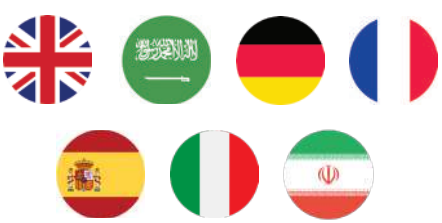
- RIVER F SMART is a multi-functional device for searching underground water, water wells, and water layers.

- Searches for fresh water and salty water.

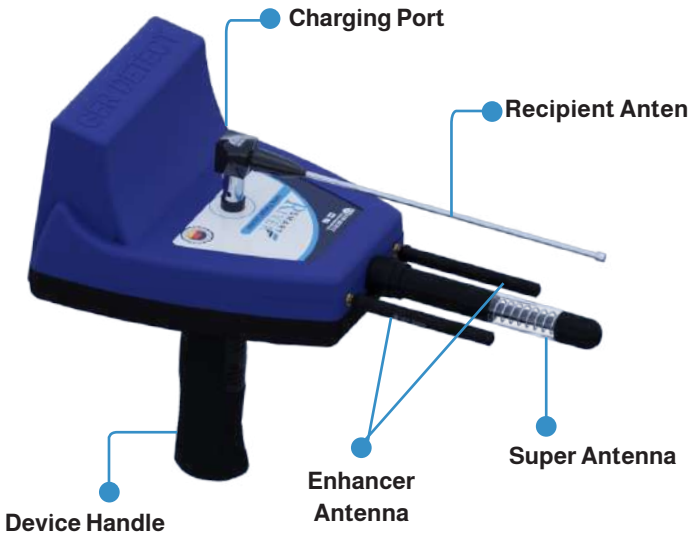
- The RIVER F SMART device depth search is 500 meters underground and a front range of 3000 meters.

- The RIVER F SMART device was developed by a leading manufacturer, incorporating advanced German technology. It is certified with the European CE and ISO 9001 certificates, meeting international standards and specifications.

- This device is designed to be compatible and functional in all countries and regions. It works in many languages: German - English - French - Spanish - Portuguese – Arabic - Persian.



Device Features and Specifications



- Among the features that allow the RIVER F SMART device to look for underground water sources, water wells, and groundwater are:

- Super speed in finding and locating water sites.
- Accurate and simple target depth determination system.
- A system for specifying the continent in which you search in.
- A screen with a touch system, which offers numerous benefits and functions.
- An electronic thermometer within the device screen that measures the weather temperature.
- A digital clock
- The possibility of muting and activating the device's sound.
- Super Antenna which enables the device to cover large areas of search.

Device Assembling

1 Install Device Handle

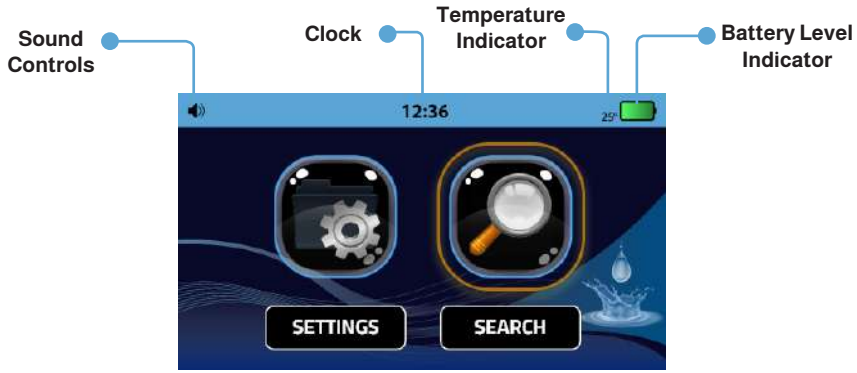
2 Install The Super Antenna

3 Install Enhancer Antennas

4 Install Recipient Antenna

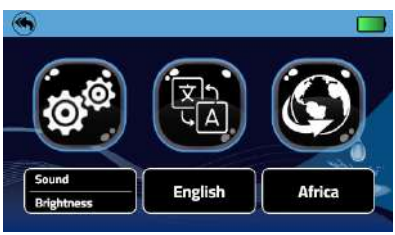
User Interface

After turning on the device, the following data will appear on the main screen



Main Screen

Settings Screen



Settings Screen

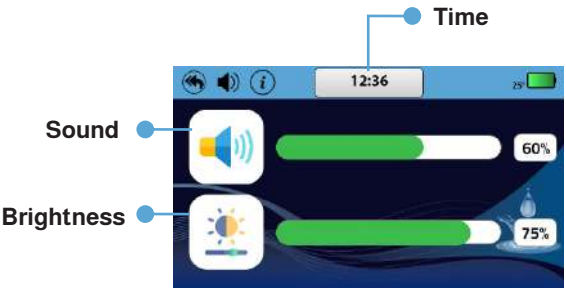
Languages Screen

It contains the working languages of the device, which are:
German - English - French - Spanish - Portuguese - Arabic - Persian.

Languages Screen

Device Settings

Through which you can set: Sound level - brightness level - time settings - device information



Device Screen

Time Setting Screen

Time Setting Screen

Device Information Screen

Which Includes device serial number

Device Info. Screen

Location Screen

Find and select the icon of the continent you want to search in. This unique feature was added because different continents have different groundwater frequencies.

Location Screen

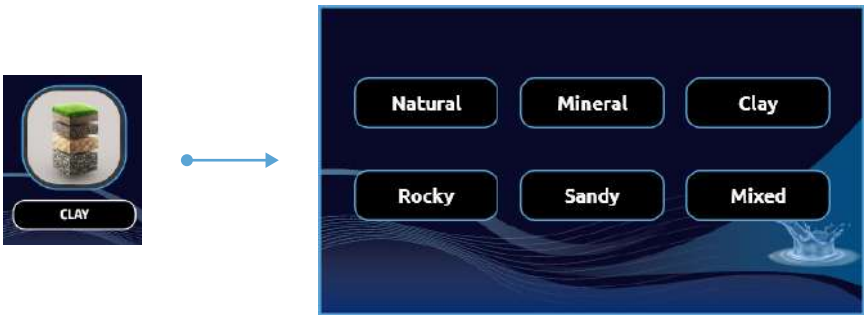
Device Operation Steps

1- Turn on the device by pressing the power button for two seconds

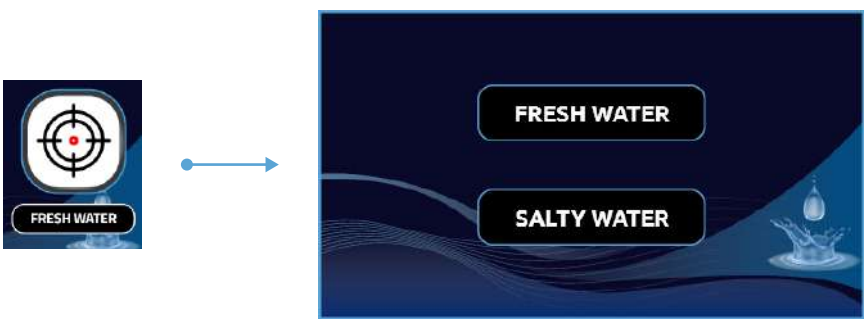
2- Press The Search Button

Search Options
3- Choose the type of target you want to search underground.

You can choose the type of soil in the search area (clay - mineral - natural - mixed - sandy- rocky)



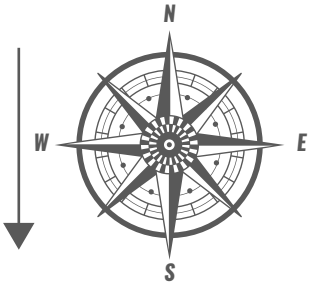
Then choose the water type you want to search for. (Example: Freshwater), which also appears on the front-range screen



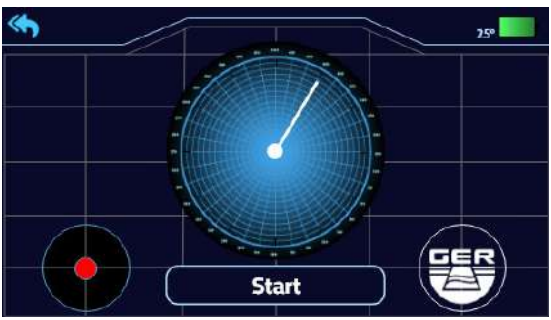
4- Then choose the front range you want to reach (from 100 meters to 500 meters - 1000 meters - 1500 meters - 2000 meters - 2500 meters - 3000 meters) for example, 500 meters

Example: If the front range of the target is expected to be within 500 square meters, it is sufficient to set the front range to 500 meters. However, if the front range of the target is unknown, you can set the range up to 3000 meters.

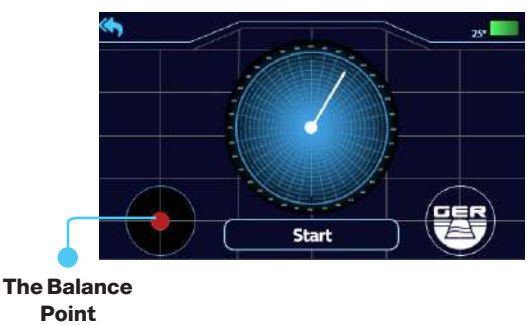
Note: The explorer must stand facing north to south The ionic fields are radiation emitted by underground water, water wells, and water layers after being underground for a long time. They overlap and interact with the soil, the nature of the earth's formation, and its regularity with magnetic lines to the north and south.



When clicking the **start button** the device will start sending and receiving signals directing you towards the target with a continuous sound

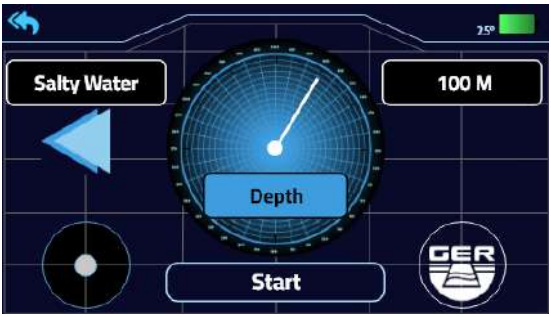


The balance of the device must be maintained during the search by fixing the gray dot in the middle of the circle icon



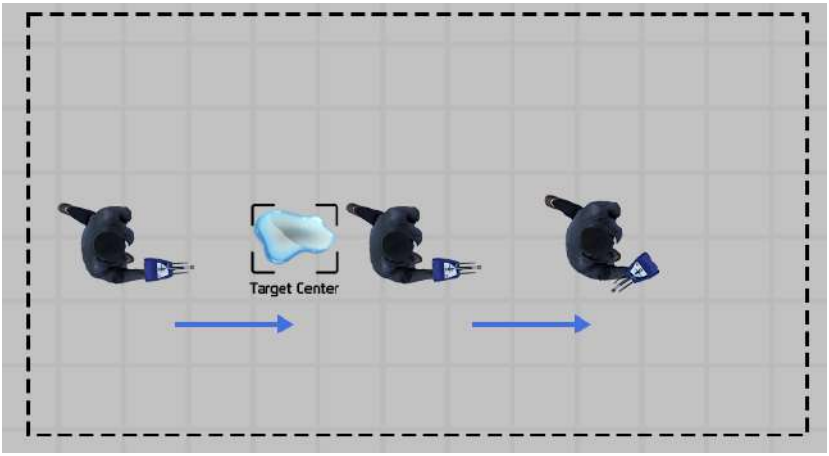
When getting any signal, the device will directly turn towards the target with the target's direction indicator appearing on the screen and the sound accelerating.

Confirm the direction of the target from all four directions to ensure that the target is reached more precisely.

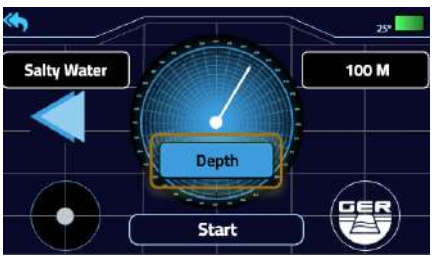


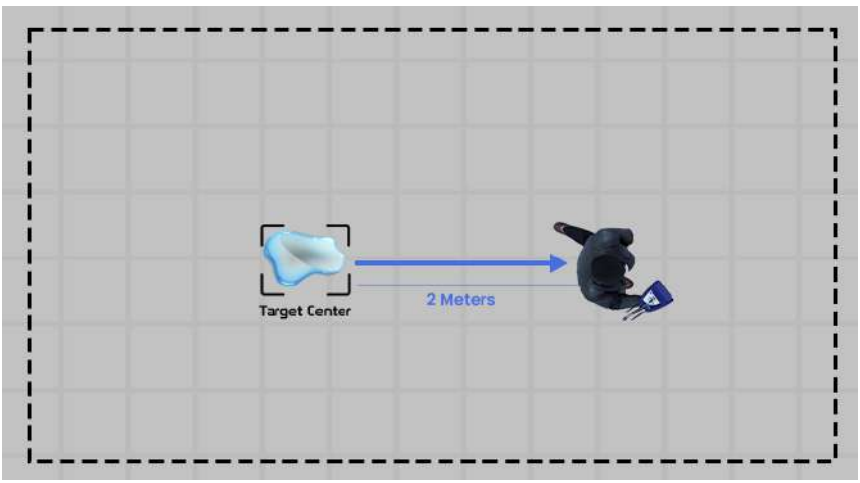
Follow the signal, and when the device turns back you will have passed the target. Limit the search site by placing a mark that will be the center for target confirmation.

Then confirm the location of the target from the four directions (from south to north - from north to south - from west to east - from east to west).
When standing directly above the center of the target, the device will rotate.

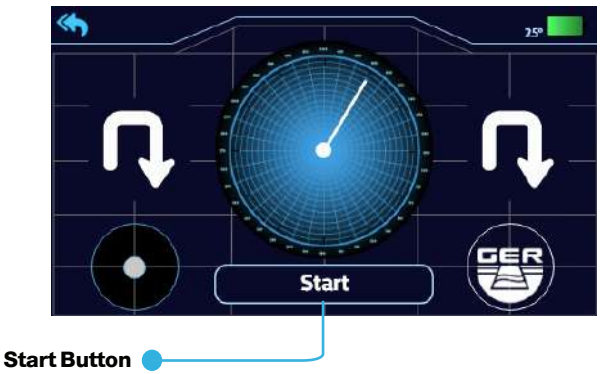


After you have confirmed the location of the target, click on the **depth button** to determine the target depth, then move away from the center of the target a distance of at least two meters.

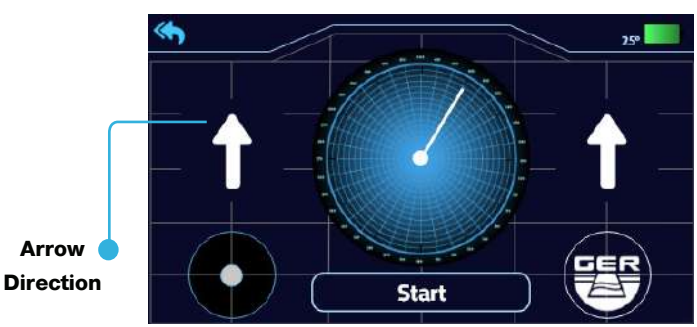




Point the device towards the target while maintaining its balance, press the **start button**, wait until you hear a beep from the device, then walk towards the target until the device rotates backwards with the appearance of an icon indicating the rotation of the device towards the back.



Turn in the opposite direction, press the start button, wait until you hear a beep emanating from the device, and the arrow icon shifts from the rotation direction to the forward direction, then walk until the device rotates backwards, the device will analyze and show the final results automatically.

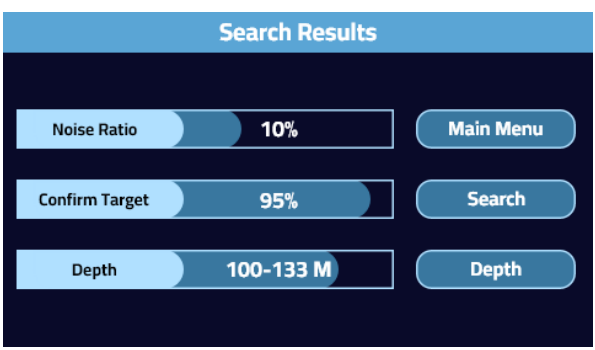


The following results and conditions will appear on the device screen when confirming the presence of a target:

Noise Ratio: It is the percentage of noise in the search area, which results from the proximity of (energy sources - phone networks - metals - mobile phones - electronic devices)
Target Confirmation: the percentage of confirmation of the presence of water in the search area.
Depth: The depth within which the water is likely to be located.

Example:
The depth is between 100-133 Meters.
Noise 10%.
Target confirmation 95%.

Note: Water can be found at a depth less than the depth displayed in the search data final results. The device is designed to detect and indicate the depth of the biggest water quantity.



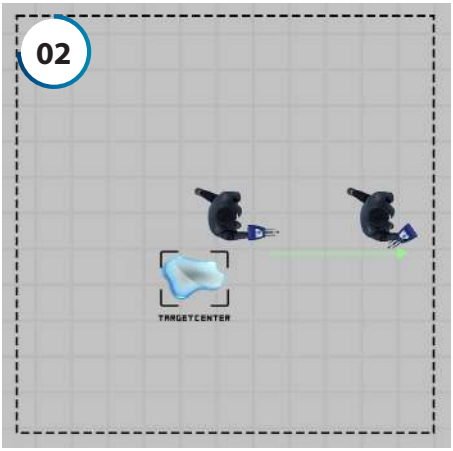
Important Note:

Aanalyze the results in the RIVER F SMART are as follow:

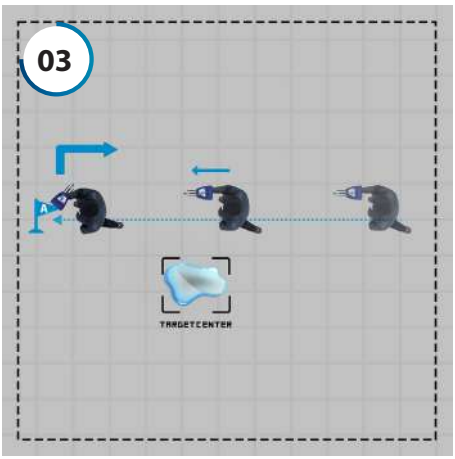
- If the result of the noise is high and the target confirmation rate is low: The device is not showing the depth, it is recommended to retry the search.
- If it shows depth and the noise percentage is greater than 30% It is preferable to retry the search.
- if the target confirmation rate is less than 90%, retry the search.
- In case the depth was re-determined on the same target, and a difference in depth appeared between the first and second depth-determination process it is likely due to variations in walking steps toward the target while determining the depth.

How to find the exact center of the target:

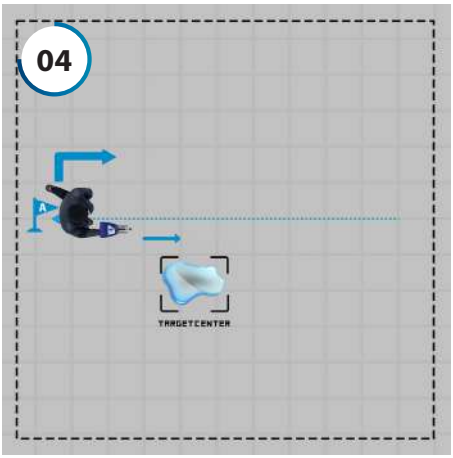
1. When reaching the target, the device will rotate 360° continuously.



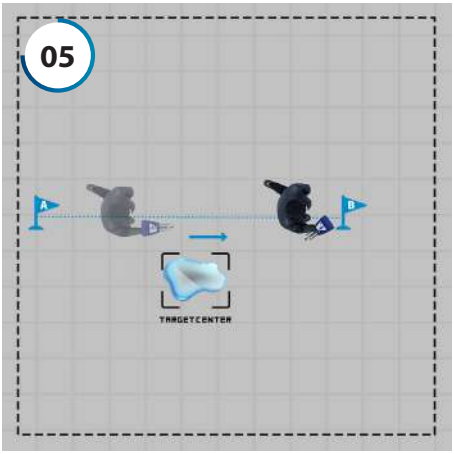
2. Move approximately two meters away from the target in a straight line.



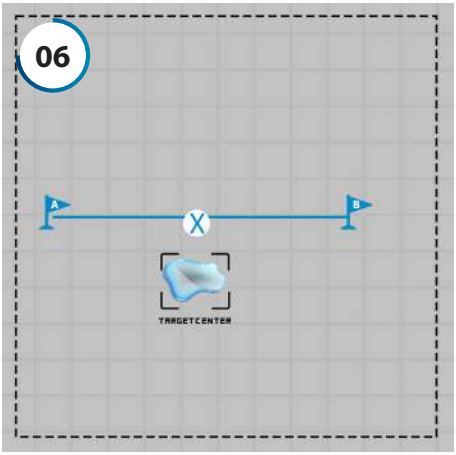
3. Turn and walk towards the target until the device rotates, place a mark on the ground representing the first point (flag A).



4. After marking, turn and walk in the opposite direction.

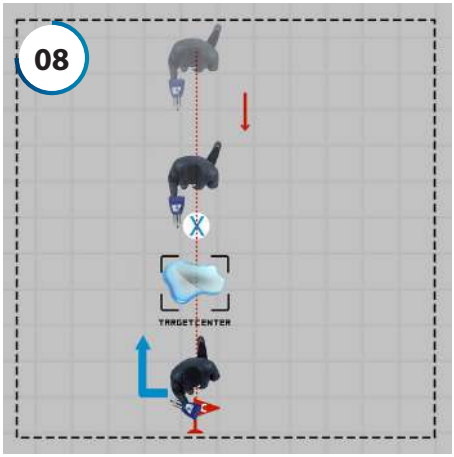


5. Continue walking in a straight line until the device turns, place the second mark at the second point (flag B)

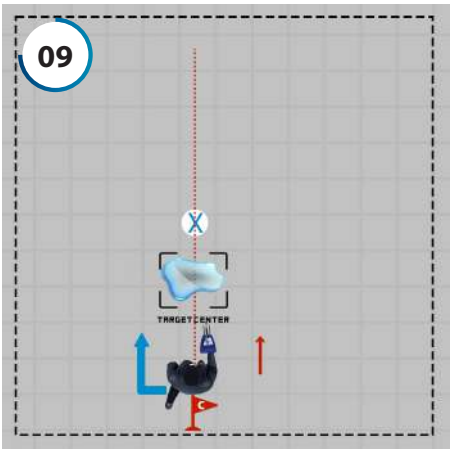


6. Measure the line between the two points, then put another mark (blue X) in the middle of the line.

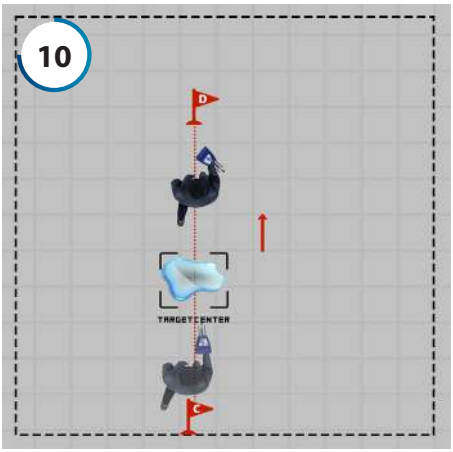
7. Start at the midpoint (blue X), walk about 2 meters in a straight line, then turn in the opposite direction.



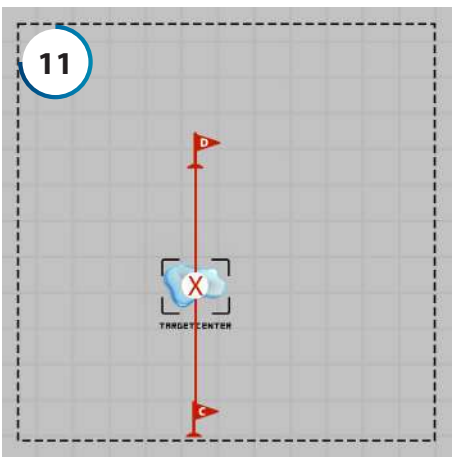
8. Start walking towards the target and continue walking until the device turns, put the mark (flag C).



9. After placing the mark, turn and walk in the opposite direction.



10. Walk in the opposite direction in a straight line towards the target and continue walking until the device turns again, put the mark (flag D)



11. Place a mark (red X) in the middle of the line between flags C and D, the center of the target will be found at this point.

Device Parts & Accessories

Main Unit of The Device

Device Handle

Signal Receiving Antenna

Super Antenna

Car Charger

Charger

Device Case

Warranty Card

Support Antennas

Technical Specifications

Audio Output	Dynamic speaker frequency 350~5500 Hz sound output: 84 ± 3dB
Liquid Crystal Display (LCD)	Touch Screen Full Color 480 x 272 px
Dimensions	Device: 218 mm
	Super Antenna of 388 mm
	Golden Antenna of 462 mm
Frequency	3.2 _ 18 KHz
Data Processing Speed	180 MHz
Operating Temperature Range	0 C° to 70 C°
Operating Humidity Range	Up to 95 % non-condensing
Storage Temperature Range	- 20C° to 70C°
Storage Humidity Range	Up to 98 % Relative Humidity
Operating Time (27 WH Battery)	10 Hours
Waterproof Rating	Not Waterproof (Weather-resistent Only)

Li-ion Battery Technical Specifications

Type	Li-ion Rechargeable Battery - Internal Battery
Output Voltage	Li-ion 3.6 VDC
Capacity	Li-ion 27 Wh
Run Time	10 Hours
Battery Operating Temperature	0 C° to 50 C°
Battery Storage Temperature	- 5C° to 70C°

Li-ion Battery Charger Specifications

Operating Temperature	0 C° to 50 C°
Storage Temperature	- 30 C° to 80 C°
Input Voltage	90 -> 250 VAC 50->60 Hz
USB Output Current	5 VDC / 2100 mA

Other Technical Specifications

Total Weight	4865 g
Device Weight	592 g
Bag Weight(Empty)	3730 g
Bag Dimensions	53.0 cm x 40.0 cm x 22.8 cm

THANKS FOR CHOOSING
RIVER F SMART DEVICE

GER DETECT

Gold & Water Detectors

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www.gerdetect.de

Note :