UIG WATCH DETECTOR

User Manual

Manuel de l'Utilisateur

www.uigdetectors.com

UIG WATCH DETECTOR

Live Scan & 3D Imaging Detector

USER MANUAL

ENGLISH

UIG DETECTORS COMPANY

Water And Metal Detector

INDEX

Critical Warning

- Ensure all necessary precautions are taken to avoid risks.
- Refrain from using your device during rainy conditions.
- Operate the device only after confirming all components are properly in place and connected.
- Verify the device battery is fully charged before starting searching, It is recommended to recharge the better before it reaches 10%.
- It is recommended to thoroughly review the user manual before utilizing the device to gain a comprehensive understanding and prevent errors during operation.
- Avoid energy sources, phone networks, metals, mobile phones, and electronic devices.
- You should only use the original charger that comes with the device.
- The device's main unit is covered by a two (2) year warranty against all electronic malfunctions, this warranty does not cover user-induced damages such as falls, unit openings, impacts, or misuse.
- The warranty excludes the smartwatch, battery, charger, and other accessories.
- The smartwatch is included with the device as a gift. However, this watch is not covered under the device's warranty. Therefore, the manufacturer is not responsible for any damage or loss of the watch, including loss during shipping.
- Strict adherence to the instructions in this user manual is necessary to reduce faults and ensure proper device use.
- Incorrect usage or exposure to excessive noise may compromise the device's capacity to confirm targets accurately.
  Best of luck with your endeavors!

Overview

- UIG WATCH DETECTOR is the world's first patent in modern nano-technology. The UIG Watch is the smallest imaging device in the world, operating with three-dimensional imaging technology.

- UIG WATCH DETECTOR is the first device of its kind in the world that functions with three professional scanning and imaging techniques with a multi-tasking imaging sensor with modern and highly effective techniques.

- Searching for metals, treasures, archaeological burials, trails, tunnels, caves, and voids underground.

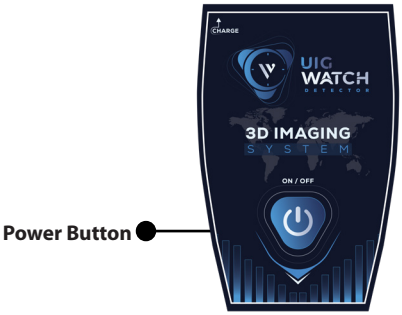
- The depth of the search in the UIG WATCH DETECTOR in the 3D system reaches 30 meters in the ground.

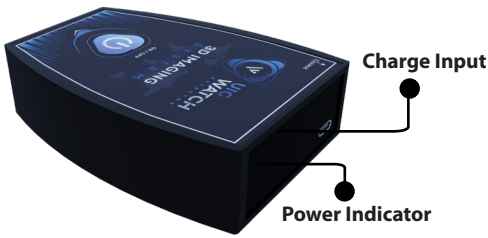
- The device works in seven languages: English - Arabic - Spanish - French - German – Portuguese - Persian

- The UIG WATCH DETECTOR device is one of the best German manufacturers. It has the European CE certificate according to international specifications and the international ISO 9001 certificate according to international specifications and standards.

- This device is designed to be compatible with its functioning in all countries and regions.

Device overview





Features And Specifications

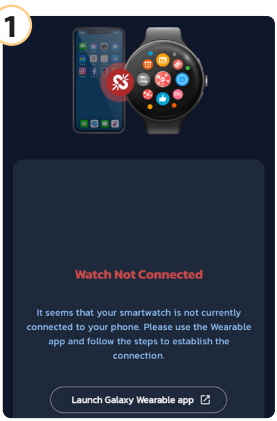
- The UIG Watch is designed to easily explore and search for precious metals, treasures, archaeological relics, passageways, caves, and voids underground.
- Three professional scanning and imaging techniques with a multi-tasking imaging sensor.
- Super speed in capturing targets and locating them accurately.
- Determining the target depth easily and accurately.
- The ability to specify depth in meters and centimeters and accurately distinguish between metals and voids.

- A lightweight moving arm to facilitate the scanning and imaging of targets.
- Weighing less than 90 grams, it is easily portable and concealable.
- It precisely scans ancient and archaeological walls, reaching depths of up to 20 meters.

Smart Watch connection process

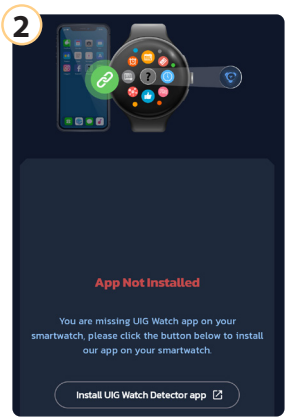
Please note that there may be 3 possible scenarios before the connection process:

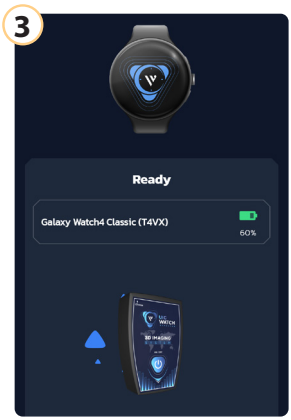
1. Watch not connected:
In this case, the watch is not connected to the mobile phone and is not ready for use.
Click on the "Open Wearable App" button to access the smartwatch linking program (Galaxy Wearable) and follow the on-screen instructions.



2. Watch connected but UIG Watch Detector application not installed:
In this case, the watch is connected to the mobile phone but the search application has not been installed.
- Press the "Install UIG Watch App" button to download the application to the smartwatch
(ensure the watch is connected to the internet to complete the download process).

3. Watch ready for operation:
In this case, the watch is connected to the phone and the search application is installed, indicating that it is ready for full application use.



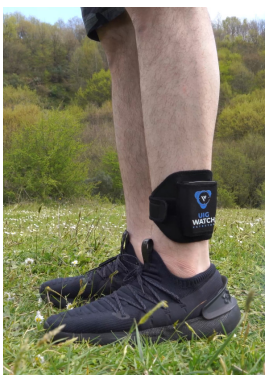


Device Operation Steps

Live Scan System Operation Steps (For Ground)

First

Using the ground live scan system with the smartwatch:
To start using this system, attach the device holder to your leg and then turn on the device by pressing and holding the power button, and then place the device into the holder.
The device must be straight and stable towards the ground.



Press the watch icon on the mobile phone and switch to the smartwatch.
You can now close the phone while keeping it near to the device.
Open the application on the smartwatch.
Press the "Live Scan" button on the main screen of the application on the watch.

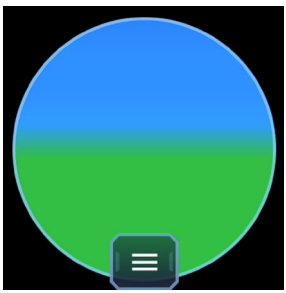
Watch app icon

Home Screen

Wait until the device is calibrated with the soil, then walk slowly with close steps in the designated search area, keeping the device stable and pointing towards the ground.

Walking should be in one direction, without changing direction.
If there is an obstacle, we must remain in the same direction and take steps to the right or left to move away from the obstacle, then continue walking.

If we want to change the search direction, we rotate and stabilize, press the calibration button and wait until the calibration process is completed, then continue walking.


searching

In the case of detecting a target, the graphical representation will gradually fill between yellow and red, with specific vibrations for targets, accompanied by accelerating sound.


Metal

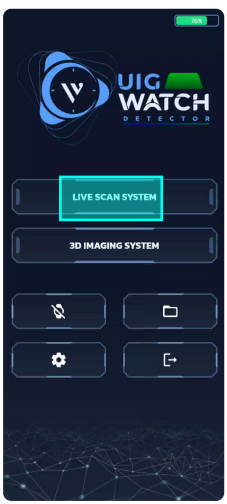
In the case of detecting a void, the graphical representation will gradually fill between cyan and blue, with specific vibrations for voids, accompanied by accelerating sound.


Void

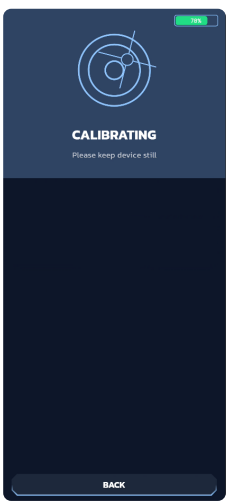
To determine the target's center, we take steps in the four directions to obtain the strongest signal.

Second

Using the ground live scan system with the mobile phone:
To start using this system, the device must be straight and stable in the direction of the ground.
We click on the "Live Scan System" icon on the application's main screen, wait until the device is calibrated with the ground, and then move while considering the previous instructions.

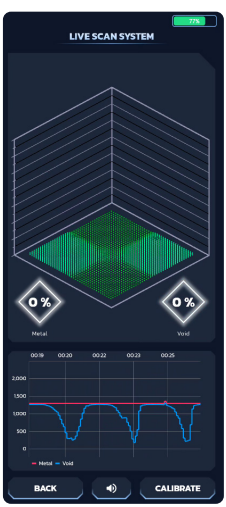


Home screen



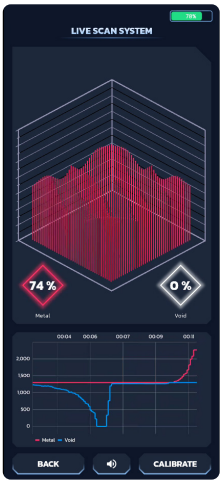
Calibration screen

The following elements will appear on the screen
1. A schematic representation consisting of a gradient square accompanied by a percentage and a chart representing the signal strength level emitted from the target with intermittent sound.
2. Calibration icon: To recalibrate the device when moving to a different search area or changing direction.
3. Mute and activate the device sound icon.
4. Back icon: To return to the main menu.



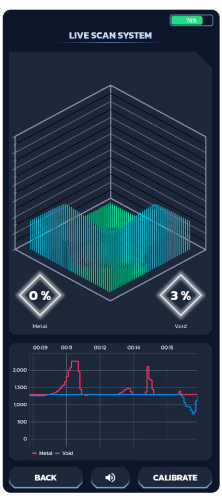
Live scan screen

In the case of detecting a target:
A schematic representation will gradually fill with yellow and red colors.
A change in the percentage and an increase in the target's chart indicator, accompanied by accelerated sound.



Metal Target

In the case of detecting a void:
A schematic representation will gradually fill with green and blue colors.
A change in the percentage and a decrease in the void's chart indicator, accompanied by accelerated sound.
To determine the target's center, we take steps in the four directions to obtain the strongest signal and the highest percentage.



Void Target

Note: To determine the target's center, we take steps in the four directions to obtain the strongest signal and the highest percentage.

Live Scan System Operation Steps (For Wall)

First

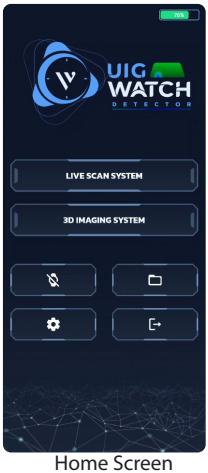
Direct the device towards the wall horizontally and straight.
The device should be positioned at a distance of 2 to 10 centimeters from the wall.
Maintaining the device parallel to the wall surface should be considered.

Before starting the scanning process, it is essential to observe the following steps:
1. Maintain device balance during the search.
2. Scan the same wall where the calibration process took place, and when moving to another wall, recalibrate the device on it as well.
3. Tap the "Live Scan System" icon from the application's main screen.

Note: The search process we applied with the ground live scan is the same as the wall live scan in both the watch and phone.

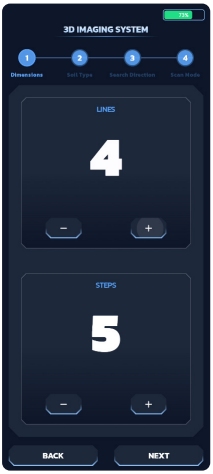
3D Imaging System Operation Steps

Using the 3D Imaging System with a Mobile Phone:
Enter the main screen of the application, and press the "3D Imaging System" button to navigate to the search properties selection screen, which includes:
Column and Step Selection Page: specify the number of columns and steps in each column according to the available space in the search area.
Soil Type Selection Page: choose the soil type from the following options: sandy, clay, rocky, or mixed, to obtain the best result for depth detection.
Search Method Selection Page: to determine the search method, whether it is zigzag, bidirectional, or parallel, where each column is completed before moving to the beginning of the next column.

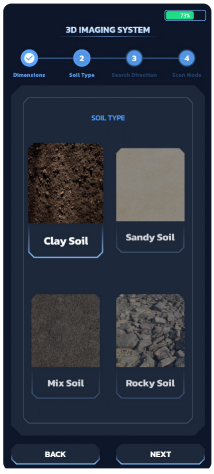


Home Screen

Search Mode Selection Page: automatic mode can be chosen, where the device captures images automatically while moving, or manual mode where you have to press the capture button at each step manually.

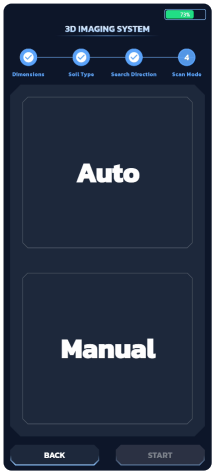


Lines & Steps



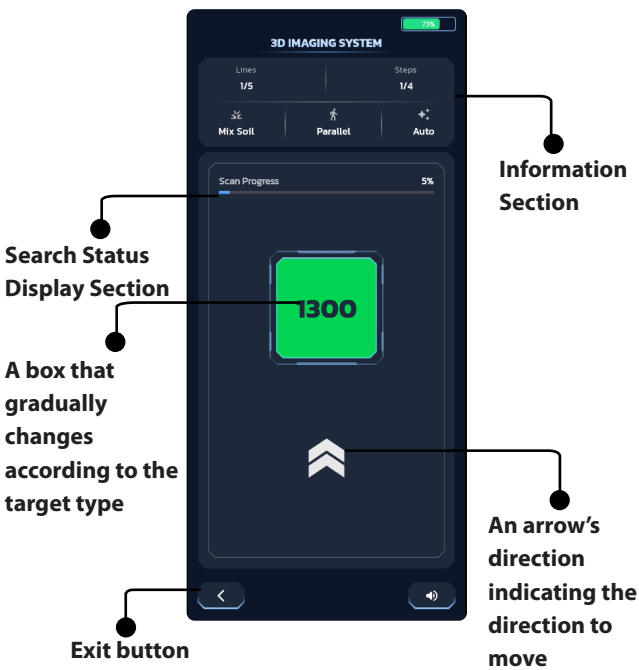
Soil Type

Direction



Mode

After selecting the search properties, stand still and stabilize the device towards the ground, then press the "Start" button, the device will calibrate with the soil.
Upon completion of the calibration, the following elements will appear on the screen:
Information Section: containing information about the selected search properties, current and remaining columns, and steps.
Search Status Display Section: Containing a progress bar and percentage of the survey progress.
A box that gradually changes according to the target type, Displaying the current captured value.
An arrow's direction indicating the direction to move.
A manual search mode capture button.
Sound mute and activate button.
Exit button to return to the main menu.



To start the imaging process:

Take close and equal steps of 30 to 40 cm in the designated search area.

Keep the device stable and directed towards the ground

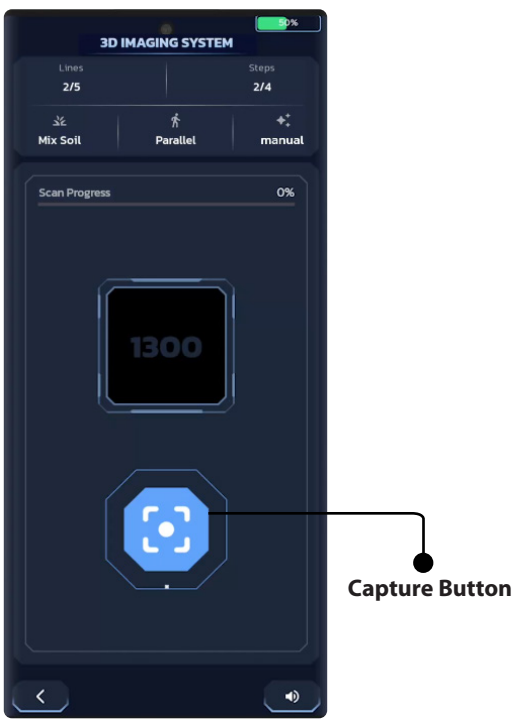
Paying attention to the arrow's direction to determine the steps.

In automatic mode:

The image will be captured automatically with each step.

You should move one step and wait for the device to capture the image with a capture sound.

In manual mode: you should stop and press the capture button with each step.



After completing all the steps, a data processing message will appear, and you will be directed to the search result page, which includes:

Top Toolbar: containing the following buttons:

Save: to save the search result within the application files.

Reset the image to default.

Full screen.

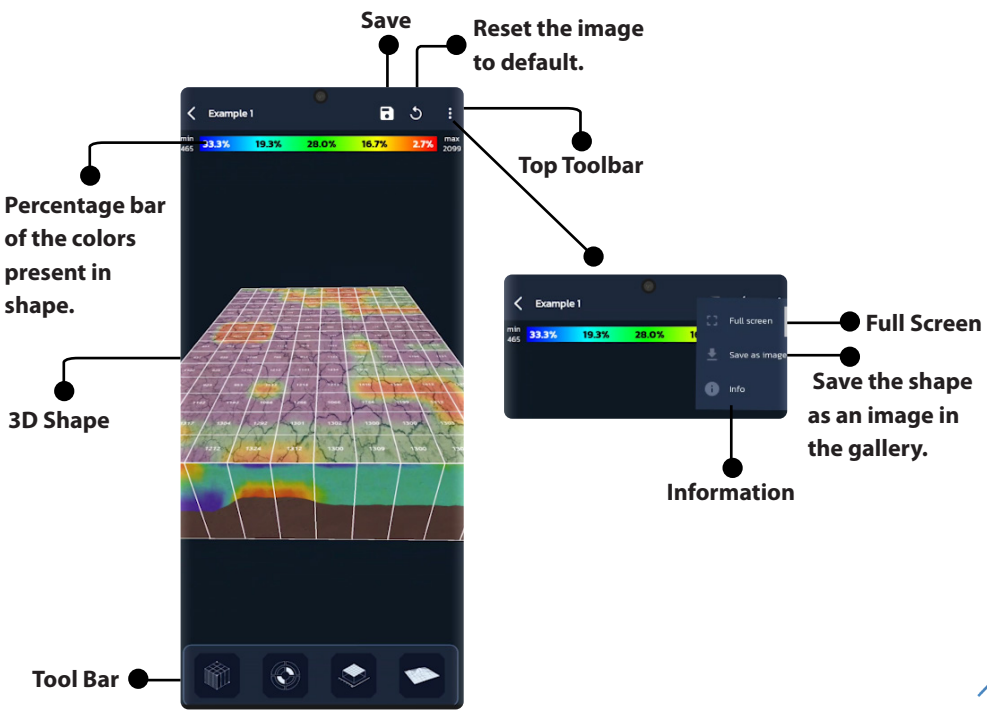
Save the shape as an image in the gallery.

Information.

Percentage bar of the colors present in shape.

3D Shape: displaying the steps and columns divided with the search value for each step, the color and shape change according to the search result.

- If it is graded towards red, it indicates the presence of targets in the area.
- If it is graded towards blue, it indicates a void.



Tool Bar: containing the following icons:

Show/hide column and step lines.

Identify the location of the target or void in the search area
(it just gives the depth for the high possibility of existing targets or voids).

Show/hide search values or area information.

Control the shape between full 3D, diagram, or 2D.

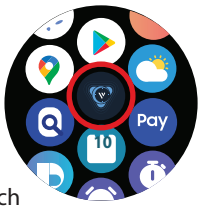
Hide or show the surface or wall in the shape.

Control the viewing perspective.

Other options also include:
Select the color map option.
Increase or decrease the resolution of the shape option.
Change the background color.
Change grid line width with color change.
Change the size of the search value line and change its color.
Hide or show the color bar.

Note: If you want to save the search result for later analysis, press the save button on the top toolbar, with the option to write the name or notes for the search operation.

Second: Using the 3D Imaging System with a Smartwatch:



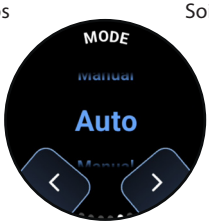
To start, press the watch icon from the application's main screen to activate the operation mode on the smartwatch:
You can close the phone while keeping it near to the device.
Open the application on the smartwatch.
Press the "3D Imaging" button, and you will be directed to a page to select the search properties, including columns, steps, soil type, search direction, and search mode (automatic or manual).

Lines

Steps

Soil Type

Direction



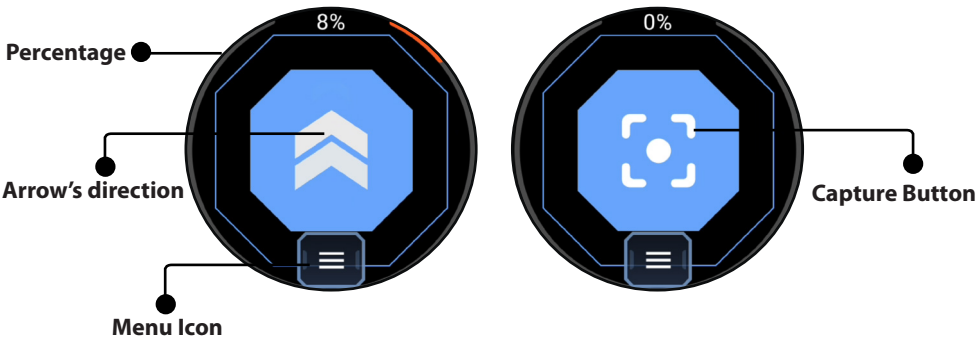
Mode

Stand still and stabilize the device towards the ground.
Press the "Start" button.
The device will calibrate with the soil.

Start Calibration

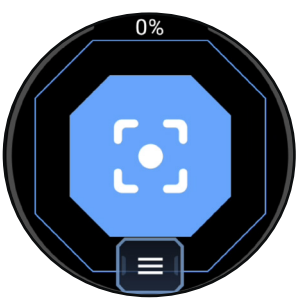
Calibration

Upon completion of the calibration, the following elements will appear on the screen:
Percentage: to know the percentage of search progress.
Arrow's direction: to know the direction of the next step.
In manual scan mode, th e capture button will appear in the middle of the screen.
Menu Icon: containing a button to turn off the screen while keeping the search mode active, and a button to exit the search.



To start the imaging process:
Take equal steps while pointing to the arrow's direction to determine the steps.
In automatic mode: the image will be captured automatically with each step, and you should move one step and wait for the device to capture the image with a capture sound.

In manual mode: you should stop and press the capture button on the watch with each step.
Upon completion of the search, a message will appear to save or ignore the search.
If saved, the search result will be saved on your mobile phone for later analysis, accessible from the application's home page under the "Open" icon, with the file name "Watch" along with the time and date of saving.



Manual mode

Important Note:

- For the best accuracy in results, selecting the maximum possible number of rows and columns is recommended.
-
- On the main screen of the phone application, there is an icon to open previously saved search files, along with examples of pre-loaded search operations.

  The smartwatch also contains a settings button to control sound and vibration, with examples of vibration for targets or voids.

The Device Parts And Accessories

Smart Watch (gift)

Main Unit

Carrying bag

Charger cable

Device carrier

Car Charger

Smart Watch charger

Charger

Warranty Card

Technical Specifications

Frequency	1KHz
Data processing speed	72 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 (5.18 Wh Battery)	10 Hours
Waterproof Rating	Not waterproof (weatherproof only)
Bluetooth	2.4 GHz radio Bluetooth

Battery Technical Specifications

Type	Rechargeable Battery - Internal Battery
Output Voltage	Li-ion 3.7 VDC
Capacity	Li-ion 5.18 Wh
Run Time	10 Hours
Battery Operating Temperature	0 C° to 50 C°
Battery Storage Temperature	- 5C° to 70C°

Battery Charger Technical 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

Total weight	580 g
Device weight	85 g
Battery weight	40 g
Bag weight (empty)	275 g
Bag dimensions	210 mm x 185 mm x 95 mm

Thank you for choosing
UIG WATCH Detector

UIG DETECTORS

Gold, Diamonds & Gemstones Detectors

+90 539 544 02 23
+90 531 852 40 31

info@uigdetectors.com

www.uigdetectors.com