

# User's Manual



Gold Radra USER MANUAL



## Metal and Water Finder

Contents .....	Page	1
Safety information .....	Page	2
Technical specification .....	Page	3
Device parts .....	Page	5
Interfaces and components of Device .....	Page	6
Start work .....	Page	8
Charging .....	Page	21
Notes .....	Page	23

# Safety information



The operating in high voltage areas would limit the results and performance



It's better to turn off mobile while using the device.



Don't operate two devices with same method of search at the same place



Don't store in high temperature or high humidity



Disconnect the batteries before long time storage



The operator Must remove any metals that might affect the operation eg: Rings, watch, belt....



Any attempt to tamper the device or unapproved maintenance would void the warranty



For best power endurance and reliability, use heavy duty and high quality batteries that work on removable batteries



- ❖ The user must practice before starting the detecting operations and discoveries
- ❖ Store in Cool and dry place 15-40 C 5%-75% humidity



Read & Understand  
The User's manual  
before using this device

Search system :	Built-in ionic and radar search system
Search principle:	Processing the Signal Received level of ionic radiation
Operating processor:	MICROCONTLLER PIC18 & ARM 7
Operating frequency:	50 MHz
Power:	7.4v 3000 mAh/ output 12v
Power consumption:	Maximum of consumption 350 MA
Battery life:	8 work hours
Charger:	5.1 volt 3 amp / Charging Time 3 hours
Display Type:	TFT Color Monitor 4.3 " , 65536 Color, 48Mhz , CDMA GPU
Specialized to detects:	Gold
Targets Discrimination:	Yes, detects gold only
Target Selection System:	none
Depth Search:	50 M
Distance Search:	100 M
Results feedback:	Indicators of graphical radar data, acoustic, oscilloscope and signal strength, and vibration alerts.
Bluetooth	none
Wireless:	none

Automatic smart guidance system:	Yes , by graphical interface to locate the path and direction of the target, and Acoustic commands.
Voice alerts:	Yes
Vibrating alert:	Yes
Operating temperature:	From -15° C to 60° C
Storage temperature:	From -15° C to 40° C
Humidity:	It can be stored and work in the degree rate of air humidity of level 90%.
Weight:	Compound: 1 kg – disjointed in the bag: 3 kg
Dimensions:	19X13X19.5 cm
Bag dimensions:	40.5x35x21 cm

## Main Control Unit

The unit is responsible to control of the settings and search options.  
The batteries was built inside it.  
Also it's responsible to issuing the search acoustic , optical and vibrations results.



## Ion and Radar sensor.

This sensor needs to connect into its own entrance at the front of the device by using connectivity socket.



## Charger

An electric charger to recharge the device's battery  
Values: Input: 240-100VAC / 60-50Hz / 0.4 amps  
Output: 5 volts AC / 3 amp / 15 Watt.



## Headphones

Needs to contact through the headphones jack, who is to the right side of the device.





- 1 Socket to connect the Sensor
- 2 ON/OFF key
- 3 View screen
- 4 Socket of the charger
- 5 Socket of the headphones



Connect the radar sensor through the socket who is at the front of the main unit of the device.

1

1



To start using the device : firstly press on the power key which you can find it in the down interface of the main unit.

At the beginning the device will show us welcome screen and then the device name screen.



ON / OFF  
key



## Note :

When you run the device in the first time the device will be asked to select some of the primary and standards parameters like :

- Time
- Language
- Where do you want to use the device (old areas - mountainous areas - desert areas - searching through the car)



You can change these settings later by moving to the list of settings in the main screen of the device

After selecting the required parameters , the device will move to the main device screen.

## Note :

In the case while the device isn't connected with the radar sensor , the radar interface on the screen will be in gray and ineffective.



To access into screen of device settings click on the settings icon at the top of the screen to move to the main settings screen which contains several options like the follows



- ❖ sound settings : allows you to set the sound level with the possibility of activating the vibration feature on or deactivate it .



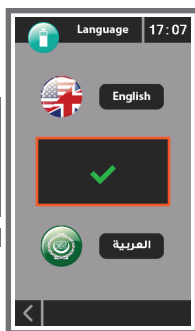
- ❖ Brightness: this option allows you the possibility to modify the screen brightness.



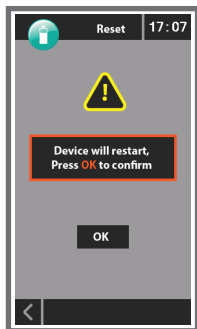
- ❖ Time : this option allows you to modify the time in the device



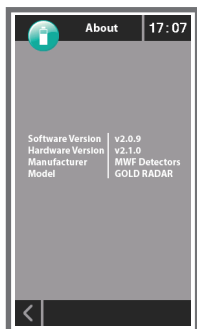
- ❖ Language: This option allows you to change the device language.



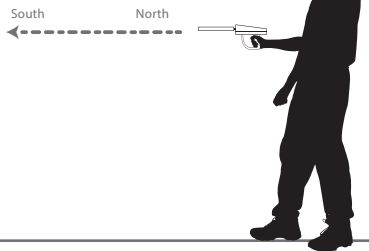
- ❖ Reset : restore the device to the default operating mode.



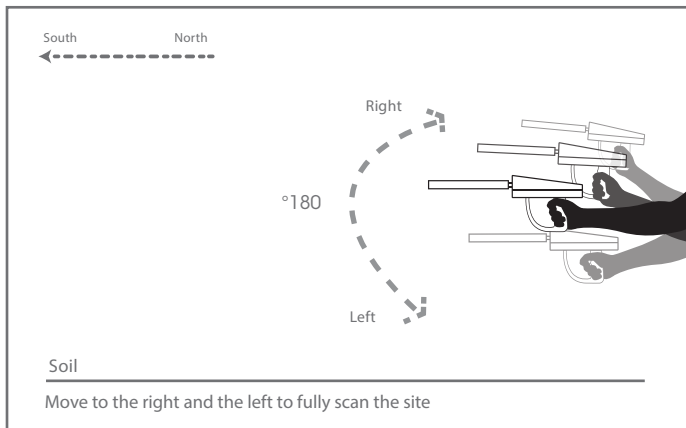
- ❖ About: When you click on this option the device will show us a screen containing information about the device's manufacturer and the device's release time .



- ❖ After select the required settings, the device will be ready to begin the search operation.
- ❖ Carry the device in parallel with the ground as shown in the picture
- ❖ You have to start the search from the north to the south that is mean the person who carry the device should to stand in the north side of the place of target expected.



- ❖ After making sure that we are standing in the right direction and carry the device properly as described in the previous two steps.
- ❖ We move the device 180 ° to scan the site is fully as shown

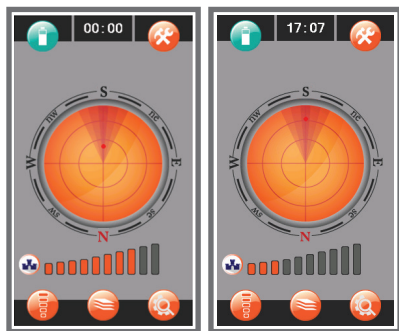


- ❖ When the device find the target site , will install the Cursor on the radar screen toward the target location and will appear a point on the radar clarify the whereabouts of the target.

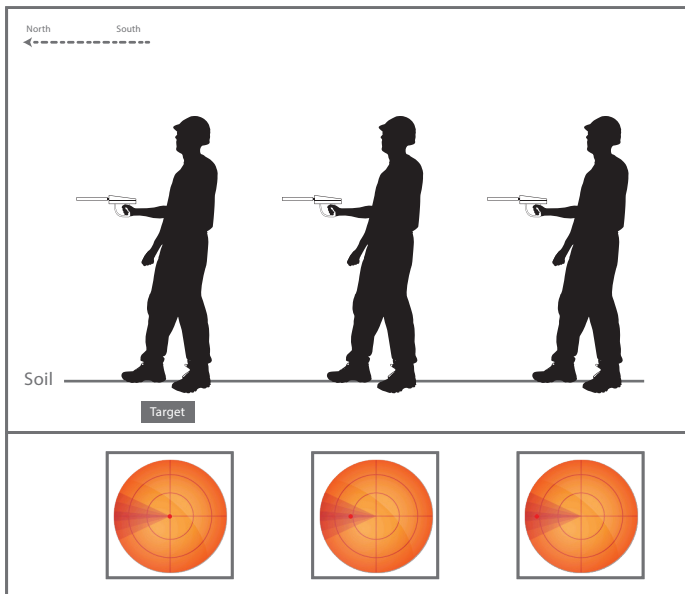


## Note

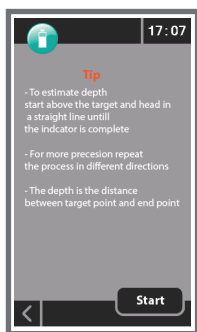
In the case of the device without connecting with the radar sensor the radar interface will be gray and ineffective.  
after connect the radar sensor the radar interface will be active and radar sensors start the process.



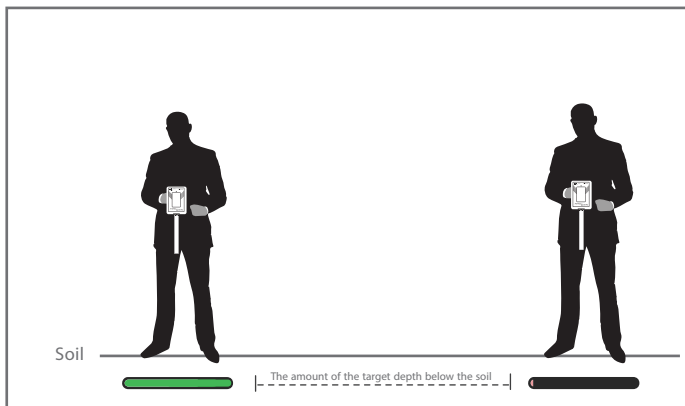
- ❖ Repeat step # 3 and move toward the target point will note that the target point will moving on the radar indicator.  
repeat until the point move to the middle of the radar indicator on the screen.  
that mean in this case the user is standing on the of the target site as shown in the picture



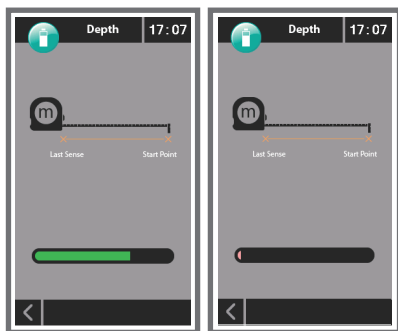
- ❖ After selecting the target point now we have to determine how much depth of the target beneath the soil, and this is done through the following steps:
  - Select the option (determine depth) on the screen.
  - Will appear a screen Include some instructions to determine the depth of the target as shown in the picture.



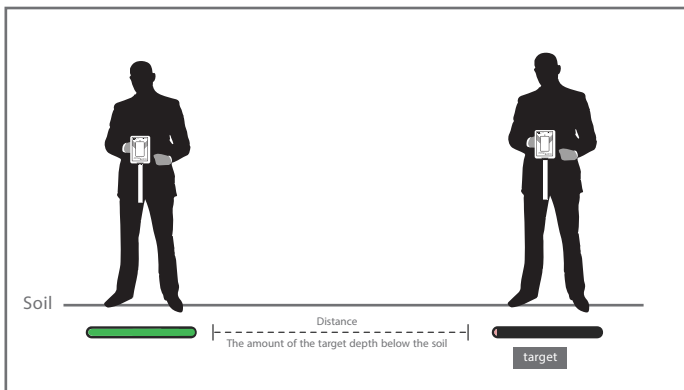
- After reading the instructions and clicking on the start button, carry the device and guide the direction of the radar sensor soil and walking straight toward one of the four directions as shown.



- ❖ When you begin calculate the depth and the moving to the depth screen , Note the presence of scale on the screen, the tape is blank in the presence of the target point and filled with as we move away from the target in one of four directions.



- ❖ When the meter full, we measure the distance between the target and the point where the tape is full , then is the depth of the target amount is below the soil, as shown in the drawing.



## Note

Preferably do a depth measurement of the four directions to get a sure depth value.

After you determine the depth we have finished the search process. ❖

## Warnings



- Use the charger supplied with the device only and do not use other.
- Store the charger in a safe place away from the flaming material
- Check to make sure the closure of the power switch after the completion of the use of the device or prior to storage.
- After the completion of shipping in the case are to issue a beep end chargers ensure the closure of the power switch.
- When the end of battery while you work the machine will issue an alert message on the screen in addition to audio then the screen will be separated automatically alert so be sure to close the power switch then to ensure longer battery life.

## Charging cases

### Charging Status During the extinguishing device

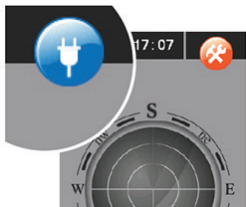
1 - When you plug in the charger with the device in the event that the device does not function.

2 - is an audio version of the operating benefits should be the key to start the charging process of an alert.

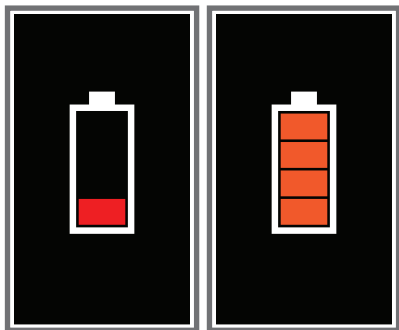
3 - After pressing the power key screen appears containing the battery in the charging process for 15 seconds and then the screen is separated and shipping process will last.

### Charging Status During device is running

When you plug the charger with the device in the event that the device is running the battery note change form at the top of the screen to the color blue and the emergence of an electric Socket as the following picture



## ❖ Charging status when the device is off



## ❖ Charging status when the device is ON









### **United States of America - illinois**

[www.mwf-usa.com](http://www.mwf-usa.com)  
[info@mwf-usa.com](mailto:info@mwf-usa.com)  
+1 ( 708 ) 364 9602

### **Turkey - istanbul**

[www.mwf-metaldetectors.com](http://www.mwf-metaldetectors.com)  
[info@mwf-metaldetectors.com](mailto:info@mwf-metaldetectors.com)  
+90 ( 212 ) 222 0946  
+90 ( 212 ) 222 0947