

OMMO -English

OM-150 Metal Detector User Manual



Please charge the detector before using it for the first time.

Support

E-mail: service@ommohome.com

CE FC RoHS

1. INTRODUCTION

Thanks for choosing our OM-150 metal detector. With this metal detector, you can hunt for coins, relics, jewelry, gold, and silver just about anywhere.

Please read the user manual carefully and keep it for future reference.

2. PACKING LIST

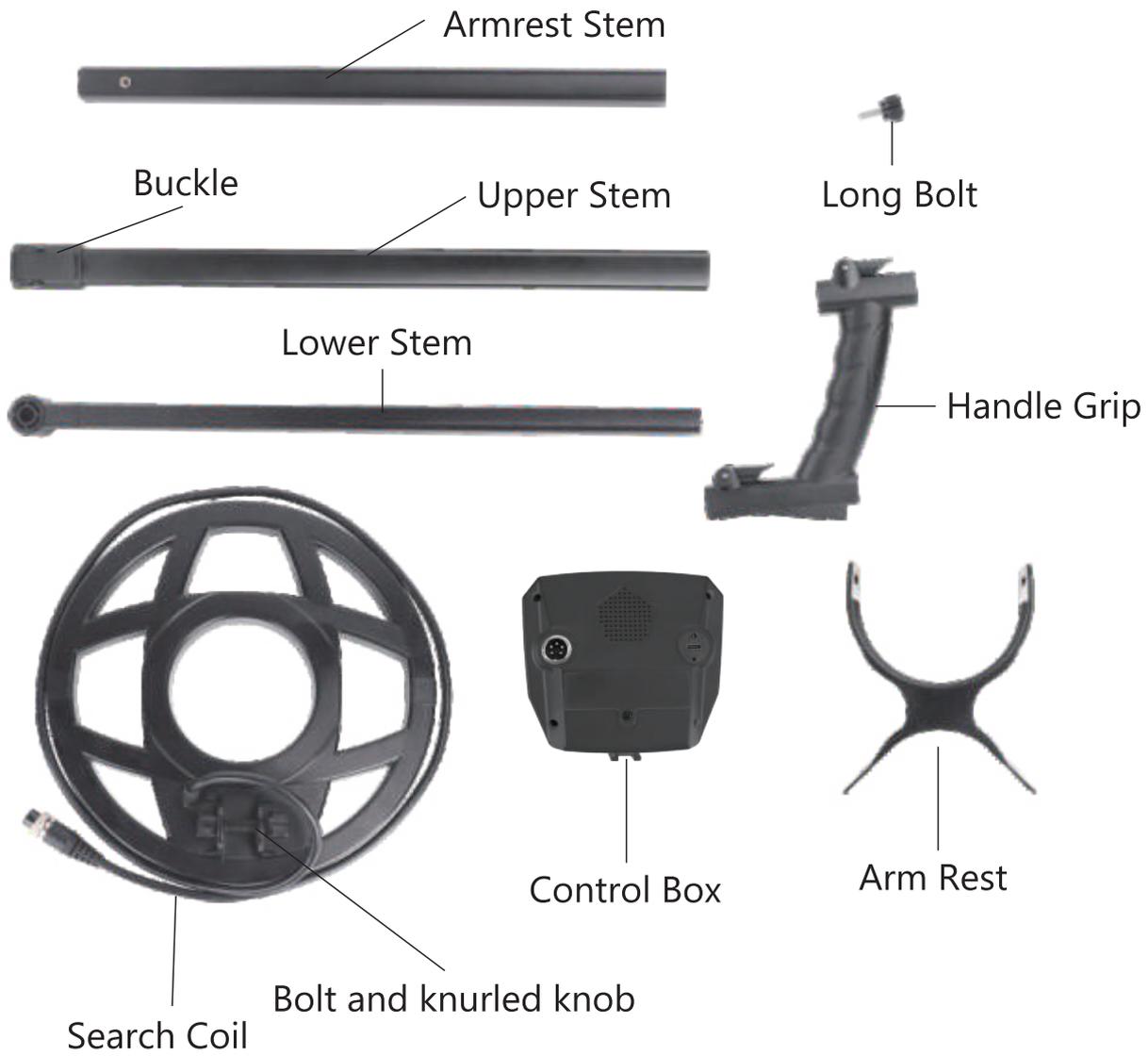
- 1 x Metal Detector
- 1 x Type-C charging cable
- 1 x Headphone
- 1 x User Manual
- 1 x Backpack
- 1 x Shovel

3. ASSEMBLY



Only the search coil is IP68 waterproof, the control box is not.

INSTALLATION STEPS:



1. Use the long bolt to connect the armrest and armrest stem.



2. Connect the lower stem to the upper stem. Connect the upper valve stem to the handle grip and lock the buckle.



3. Unscrew the bolt and knurled knob on the search coil. Then use the bolt and knurled knob, attach the search coil to the lower stem.



4. Insert the control box into the handle and push firmly.



5. Wind the search coil cable around the stem. Leave enough slack in the cable to let you adjust the coil. Insert the coil's plug into the matching connector on the control box. Ensure that the holes and pins line up correctly.



6. All the parts are installed (You can loosen the buckle at this point, adjust the rod length as needed, and then tighten the buckle).



4. CHARGING NOTICES

1. Please be sure to turn off the metal detector when charging. It is strongly recommended that a high-quality DC5V charger (not included with this product) and the Type-C charging cable (included with this product) be used.

2. Insert the charging head of the Type-C charging cable into the charging port of the control box. During charging, the indicator light is blue; when fully charged, the indicator light turns red.

Note: When the device is in charging mode, the control box cannot be powered on.

3. Please be sure to keep the charging port of the control box clean and waterproof.

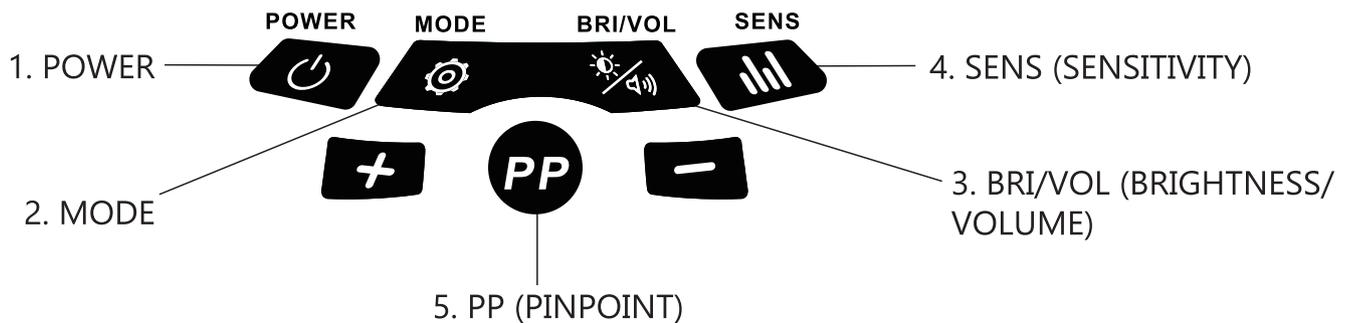


Charging indicator

Type-C charging port

5. CONTROL PANEL & SEARCH MODES

CONTROL BUTTONS



1. POWER:

Press the button for 1s to power on the detector. Press the button for a further 3s to power off the detector.

Note: The detector will memorize the current settings before turning off the power.

2. MODE:

Press MODE to select desired search mode. There are five modes to be selected from MODE indicator on the LCD.

3. SENS:

Press "SENS" button to adjust the sensitivity.

Note: Cell phones, cell phone towers, etc., all produce interference signals, and will cause the detector beeps erratically when no metal objects are being detected, sometimes erratically.

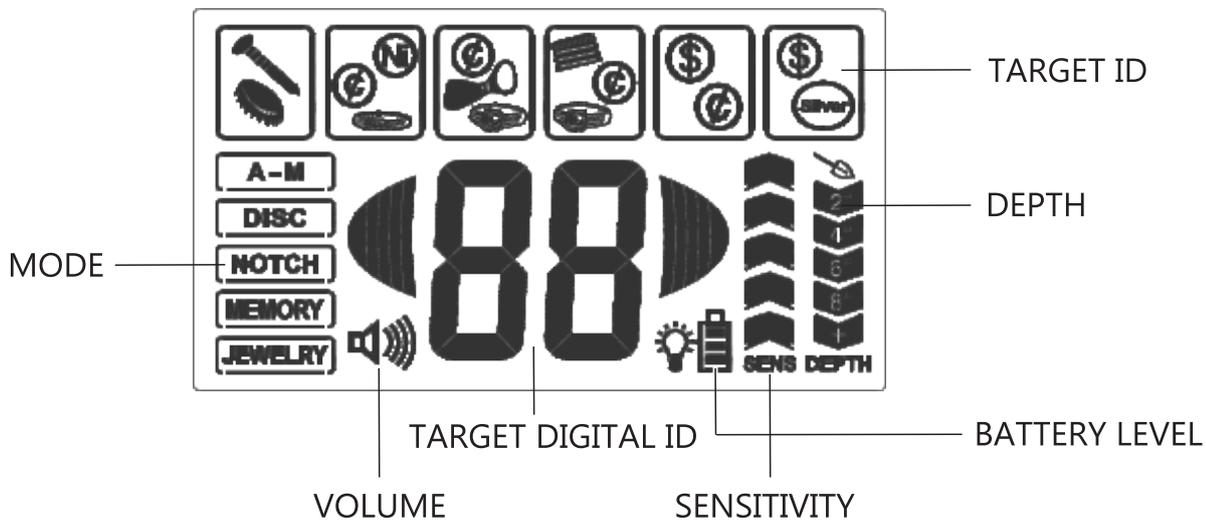
4. BRI/VOL (BRIGHTNESS/VOLUME) :

- Set Volume: Shortly press the "BRI/VOL" button to set the volume level, then press it again to adjust levels of volume. There are 4 levels of volume.
- Set Backlight: Press it for 3s to turn on the backlight. Long press it again to turn the light off.

5. PP (PINPOINT)

It can narrow down the search scope and enable you to determine the exact location of the target before conducting the exploration. Once you have determined the approximate range of the search target, press this button for 1 second to locate the target. The sound volume increases as you get closer to the target. Press and hold the button again for 1 second to exit the PP function.

SEARCH MODES ON LCD SCREEN



(1) A-M (ALL METAL) Mode

Press MODE to select A-M (ALL METAL) mode. A-M is displayed on LCD. You can detect all kinds of metal.

(2) DISC (DISCRIMINATION) Mode

a. The DISC mode can eliminate the unwanted metal target(s).

Press MODE to select DISC. DISC is displayed on LCD.

b. Press “-” to eliminate the unwanted target(s) in sequence from left to right. The eliminated target icon(s) will disappear on the LCD.

The detector will not detect such target(s). User can select several targets to be eliminated by using DISC mode.

Note: The 2 right-most categories can't be eliminated. These 2 right-most categories represent silver or other high-value targets, which are generally desirable. To pick up the eliminated target ID, simply press “+” and the recovered target icon(s) will be displayed again on the LCD.

(3) NOTCH Mode

Press MODE to select NOTCH. NOTCH is displayed on the LCD. This means NOTCH mode is selected.

a. The NOTCH mode is similar to Discrimination. It allows you to accept or reject different types of metals. While DISC works from left to right, the NOTCH allows you to accept or reject individual categories.

b. Press "+" or "-" to program the NOTCH feature. Each press of "+" or "-" cycles to a new category and that category icon will flash for 3 seconds. Then the category will reverse status. Alternatively, press MODE while the icon is flashing to accept the Notch. If the icon had previously been illuminated it will now disappear indicating that the category has been eliminated from detection. Likewise, an icon that is not visible on the display will re-illuminate, indicating that category is now notched in (i.e. detected).

(4) MEMORY Mode

Press MODE to select MEMORY. MEMORY is displayed on LCD. This means MEMORY mode is selected.

This mode is designed to detect the only memorized metal target. For example, if you want to find 1cent coin, sweep a sample of 1cent over the search coil. The detector will memorize the target. LCD only displays the memorized target icon and other target icons will be removed. In this case the detector will only detect 1 cent coin and will have no response to other metal targets.

(5) JEWELRY Mode

Press MODE to select JEWELRY. JEWELRY is displayed on LCD. This means JEWELRY mode is selected.

This mode is preset for detecting jewelry and precious metals. You can only detect metals in the jewelry mode setting, other metals are blocked by the detector and cannot be detected.

6. TARGET INDICATIONS

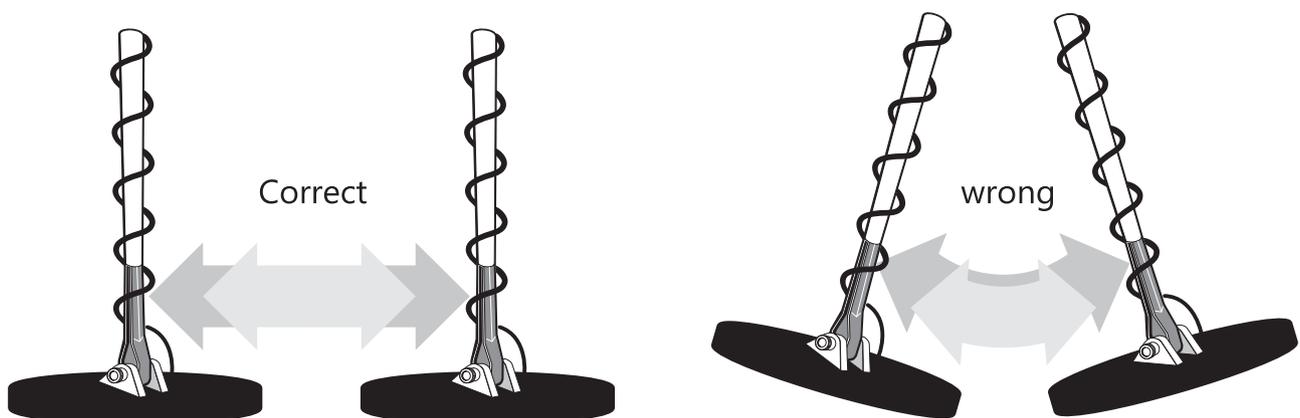
Target	Iron	5 cent/ Nickel/Ring	Pull tab/ Ring	1cent/zinc/ S-caps/Ring	10 cent/ Copper/Coin	25 cent/ Silver/coin
Tone	Low	Low	Medium	Medium	High	High
ID Display	 (flash)	 (flash)	 (flash)	 (flash)	 (flash)	 (flash)
Digital Value	0-40	41-55	56-65	66-75	76-85	86-99

Note: There is a wide variety of metals and no target can be identified for certain until unearthed. This table is for general reference only.

7. OPERATION GUIDE

Hold the search coil level to the ground about 1~2 inches above the surface, slowly move the search coil over the area where you placed the sample, sweeping the search coil in a side-to-side motion.

1. Never sweep the search coil as if it were a pendulum. Raising the search coil while sweeping or at the end of a sweep will cause false readings.



2. Sweep slowly, hurrying will cause you to miss targets.

3. It's better to sweep the search coil from side to side in an arc line of 3 inches motion and keep the search coil parallel with the ground.

If the detector detects the item, it sounds a tone, and the target icon flashes. Meanwhile LCD displays the digital value of target as well as the depth.

If the detector does not detect the item, make sure that the mode is set correctly for the type of metal you're searching for. And make sure that you're moving the search coil correctly.

NOTES:

- The detector responds with a signal when it detects the most valuable metal objects. If a signal does not repeat after you sweep the search coil over the target a few times, the target is probably junk metal.
- False signals can be caused by trashy ground, electrical interference, or large irregular piece of junk metal.
- False signals are usually broken or non-repeatable.

8. FACTORS AFFECT THE DETECTING

It's difficult to have an accurate detecting result. Sometimes the detecting may be restricted by some factors:

- The angle of the target buried in the soil.
- The depth of the target.
- The level of oxidization of the target.
- The size of the target.
- Electro-magnetic and electrical interference surrounding the target.

In area of highly mineralized ground, or fertile ground, or wet sand, the detector will sound even if there is no metal. In this case, you can lower the sensitivity.

Metallic digging tools will also affect the detection if they are near the search coil. It's better to place them a little far away.

9. TROUBLESHOOTING

Problem	Reason	Suggestion
The detector displays or sounds without detecting any target	<ol style="list-style-type: none"> 1.The detector may receive interference and false signals from broadcast antenna and other electronic lines 2.The humidity of environment may be extremely high 	<ol style="list-style-type: none"> 1.Change the searching place 2.Wait for some time to check again
The detector sounds false signals	<ol style="list-style-type: none"> 1.Sensitivity set too high/environmental electromagnetic interference 2.Sweeping the detector's search coil too fast or at a wrong angle 3.Using 2 detectors in close proximity 	<ol style="list-style-type: none"> 1.Reduce the sensitivity 2.Sweep the search coil more slowly and hold the detector correctly 3.Keep two detectors at least 6 meters (20') apart
The detector does not detect anything	<ol style="list-style-type: none"> 1.Sensitivity set too low 2.Target range is eliminated 3.Search coil is not parallel to the ground 	<ol style="list-style-type: none"> 1.Increase the sensitivity 2.Recover all target ranges 3.Adjust the search coil angle to be parallel to the ground
The LCD displays multiple target categories or emits several sounds at once	<ol style="list-style-type: none"> 1.There may be over one kind of metal targets 2.The detector can't identify the target. Sometimes, oxidized metal also causes the excursion of target arrow and tone 	<ol style="list-style-type: none"> 1.Reduce the sensitivity to eliminate the detection of the deeper target 2.Sweep the search coil with different angles
The detector does not function	<ol style="list-style-type: none"> 1.Five-pin cable not connected well 2.Dead battery 	<ol style="list-style-type: none"> 1.Re-plug it properly 2.Replace with a new battery

10. CONTACT INFORMATION



Please scan the QR code to get the installation and FAQ videos.

Website: <https://ommohome.com>

E-mail: service@ommohome.com

Disclaimer

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