OM-151 Metal Detector
User Manual

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

Support
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CE FC **RoHS**

1. INTRODUCTION

Thanks for choosing our OM-151 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.
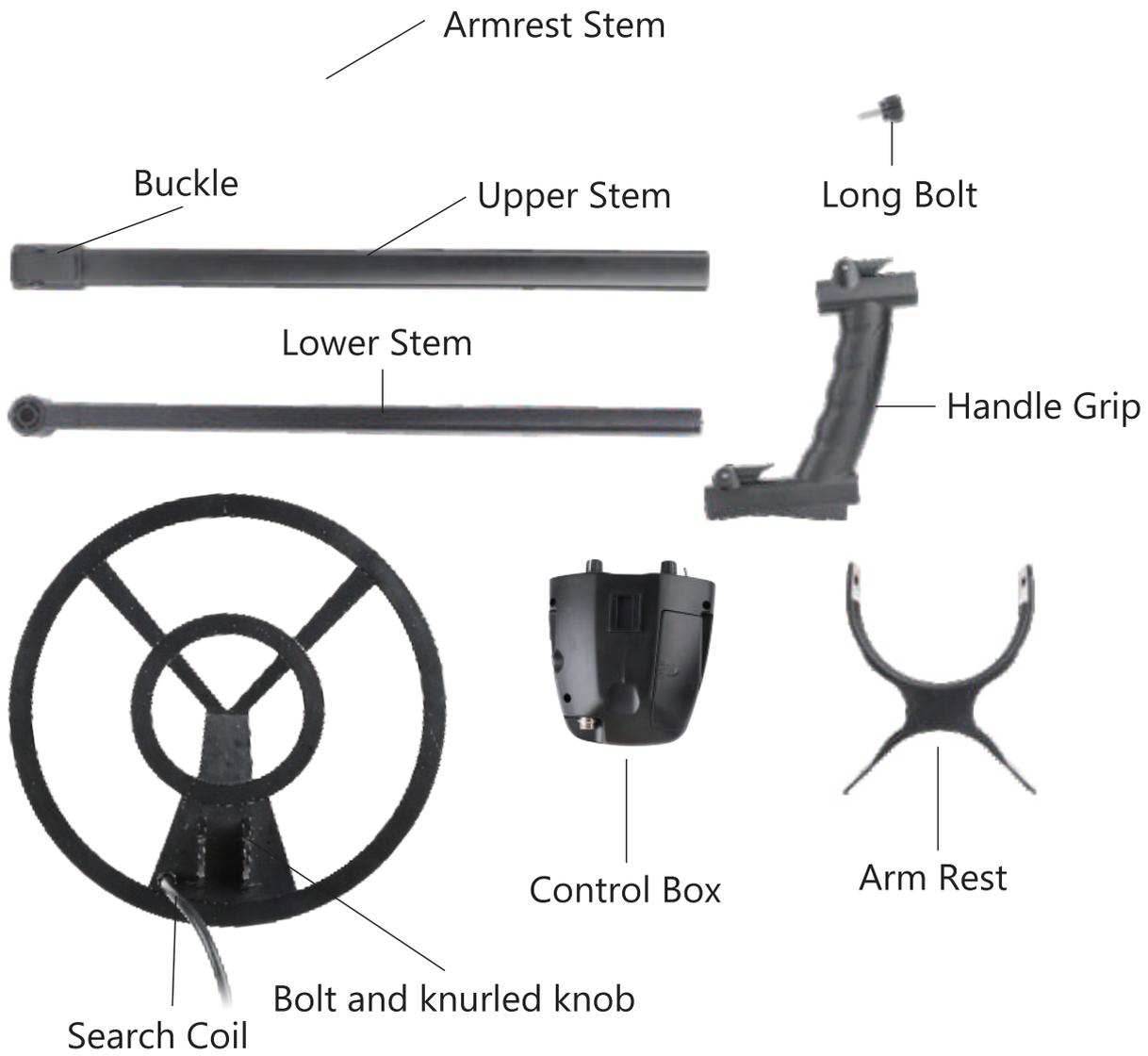
2. PACKING LIST

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

3. ASSEMBLY

1.Arm Support

2.Armrest Stem

4.Handle Grip

3.Control Box

5.Upper Stem

6.Buckle

7.Lower Stem

8.Search Coil

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

INSTALLATION STEPS

Armrest Stem

Buckle   Upper Stem   Long Bolt

Lower Stem

Handle Grip

Control Box   Arm Rest

Bolt and knurled knob

Search Coil

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

2. Connect the lower stem to the uppper 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. The indicator light flashes rapidly when the control box is in a low-voltage state. Insert the Type-C charger plug into the charging port of the control box at this time. During charging, the indicator light will flash slowly. When fully charged, the indicator light remains steadily lit.

3. Please be sure to keep the charging port of the control box clean and waterproof.
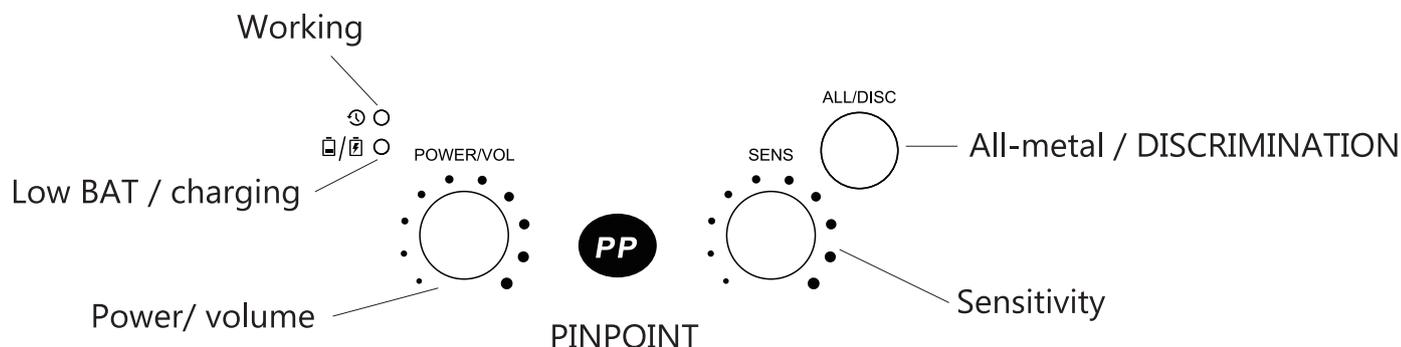
Charging indicator   Type-C charging port

5. CONTROL PANEL & SEARCH MODES

CONTROL BUTTONS

Working

Low BAT / charging

POWER/VOL

Power/ volume

PP

PINPOINT

SENS

ALL/DISC

All-metal / DISCRIMINATION

Sensitivity

1. POWER / VOL: (Power / volume)

POWER: Rotate the knob clockwise to turn on the detector.

VOL: After powering on, rotating the knob clockwise increases the volume, while rotating it counterclockwise decreases the volume.

2. ALL/DISC: (All-metal / DISCRIMINATION)

ALL: (Toggle Switch to the Left) In this mode, various metal types including iron, steel, aluminum, brass, silver, copper, and gold can be detected.

DISC: (Toggle Switch to the Right) When using the Discriminator, various metals other than iron can be detected.
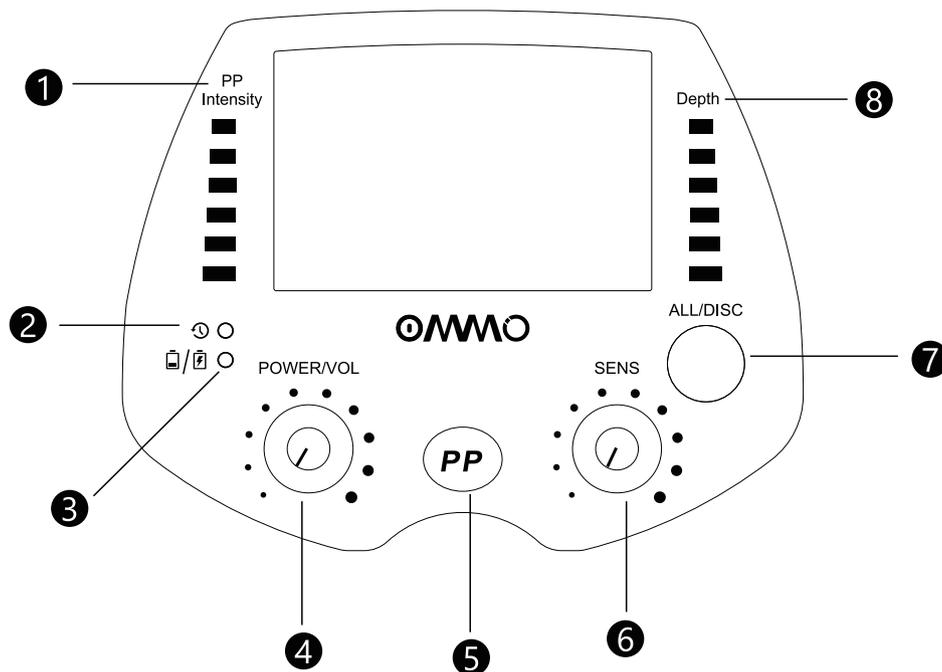
3. SENS: (Sensitivity)

Rotating the knob clockwise increases detection sensitivity, while turning it counterclockwise reduces sensitivity.

4. PP: (PINPOINT)

This function narrows the search range and allows precise target location verification before exploration. Once the target's general vicinity is established, press this button to activate positioning. The audible volume increases proportionally as you approach the target. Press the button again to deactivate the PP mode.

6. SEARCH MODES

❶ PP Intensity   **❺** PP

❷ Working   **❻** Sensitivity

❸ Low BAT / charging   **❼** All-metal / DISCRIMINATION

❹ Power/ Volume   **❽** Depth

(1) ALL (ALL METAL) Mode
When the switch is set to the "ALL" position, the detector enters
All-Metal detection mode, capable of detecting all types of
metallic targets.

(2) DISC (DISCRIMINATION) Mode
When the switch is in the "DISC" position, the detector is in a
differentiated detection mode. In this mode, various metals other
than iron can be detected.

(3) PP (PINPOINT) Mode
It narrows down the location of a buried target, allowing you to
determine its exact location before digging. You can press button

once to locate the target.

(4) PP strength
In PP mode, the intensity indicator lights illuminate sequentially as the detection disc approaches the detected target.
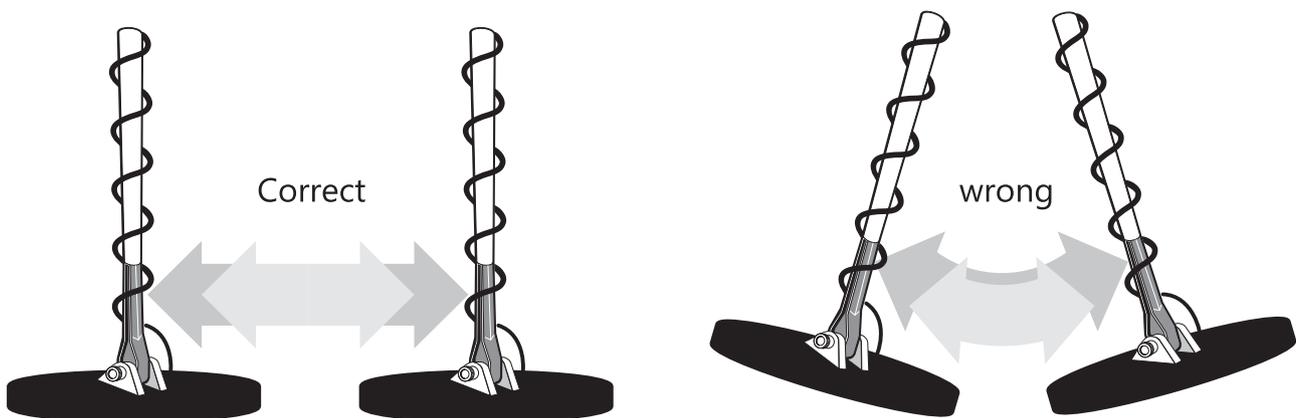
(5) Depth
In the "ALL" or "DISC" mode, the depth indicator lights illuminate sequentially as the detection disc approaches the detected target.

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.

Correct

wrong

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 object, it will emit an audible alert while the intensity indicators illuminate sequentially.

If no detection occurs, please set the mode to "ALL", power on and off the device again, and ensure you move 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 AFFECTING DETECTION

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	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	1.Change the searching place 2.Wait for some time to check again
The detector sounds false signals	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	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	1.Sensitivity set too low 2.Target range is eliminated 3.Search coil is not parallel to the ground	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	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	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	1.Five-pin cable not connected well 2.Dead battery	1.Re-plug it properly 2.Charge the detector fully

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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