

# OMMO -English

## GC-1067 Metal Detector User Manual



**Support**

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**CE FC RoHS**

## 1. INTRODUCTION

Thanks for choosing our GC-1067 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
- 2 x 9V Alkaline batteries
- 1 x Headphone
- 1 x Backpack
- 1 x Shovel
- 1 x User Manual

## 3. ASSEMBLY



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



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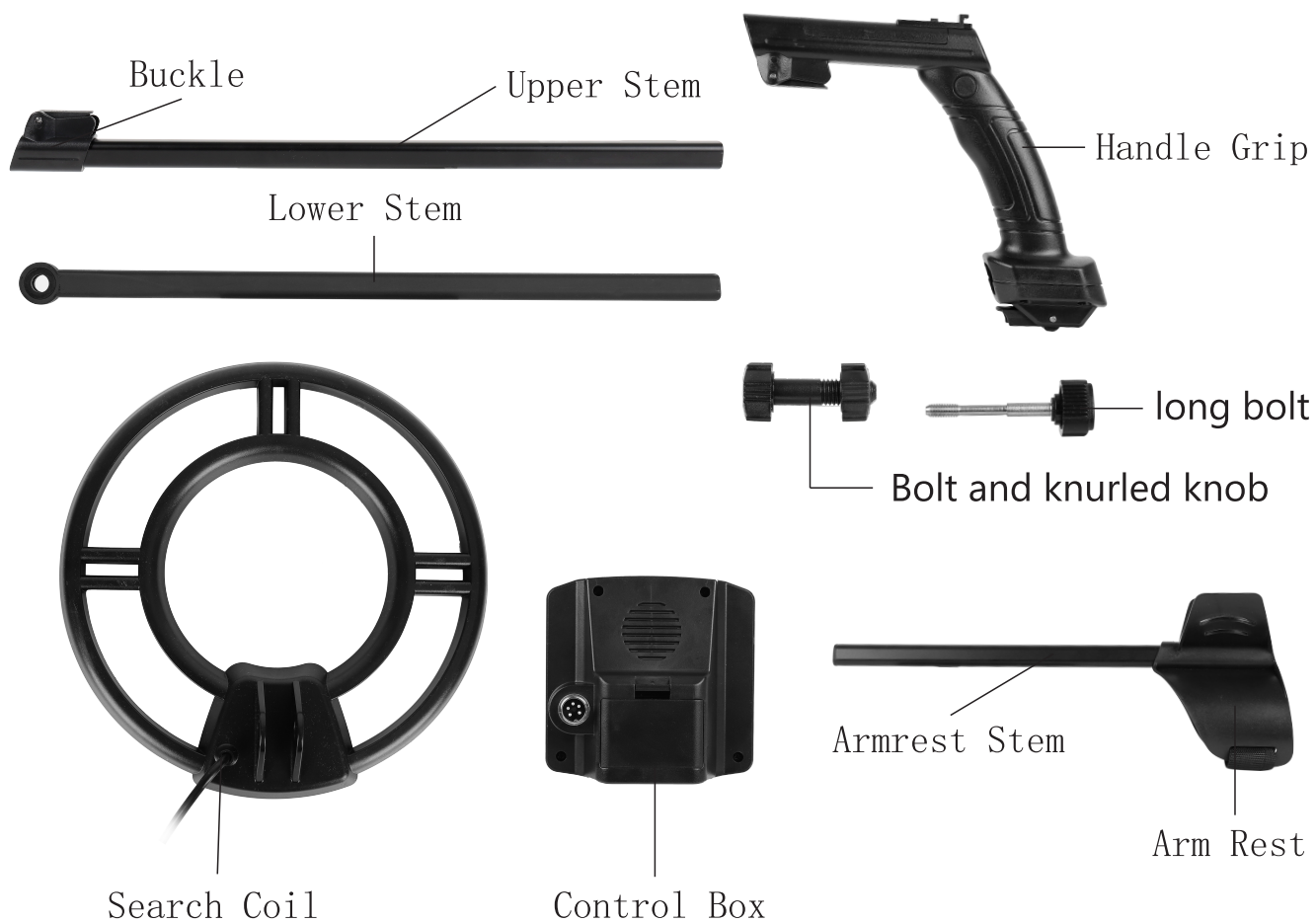
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## INSTALLATION STEPS:



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



2. 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. (Note: place the washer into the groove of the lower stem)



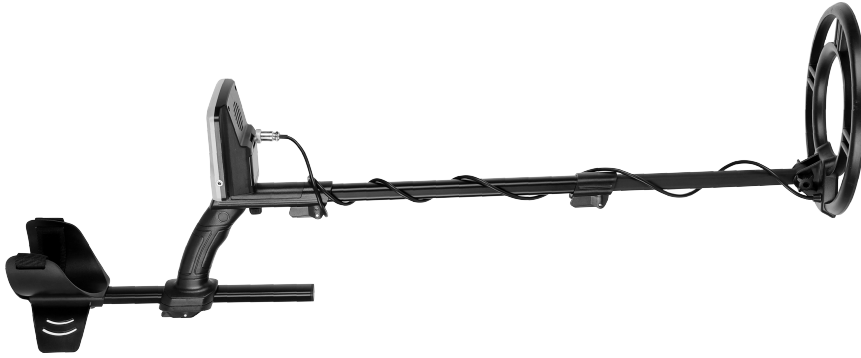
3. First install the armrest stem to the handle grip and lock the buckle, then install the control box to the handle and fix the control box with long bolts.



4. 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.



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



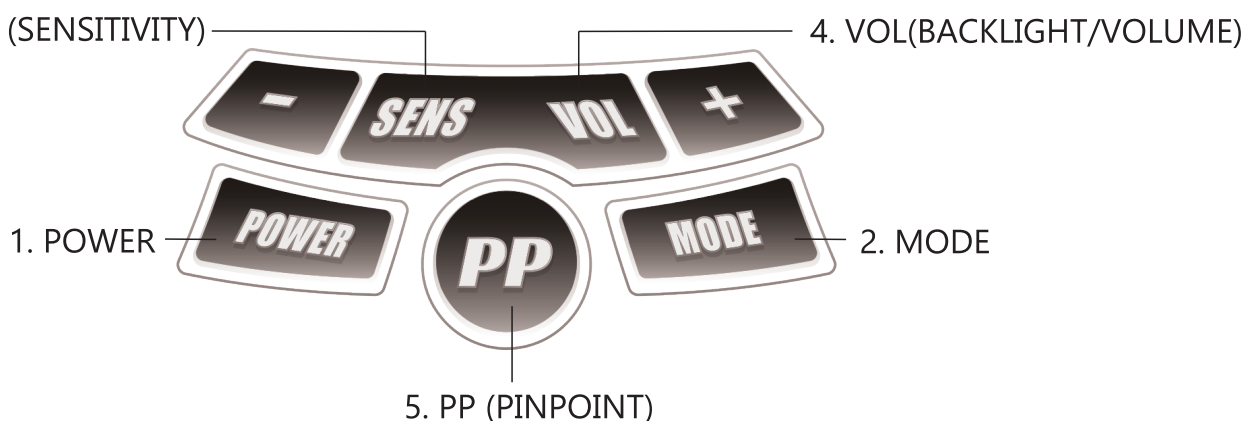
## 4. BATTERY INSTALLATION

1. Take the battery cover off.
2. Place two 9V Alkaline batteries in the battery compartment to match the polarity symbols (+ and -) marked inside.



## 5. CONTROL PANEL & SEARCH MODES

### CONTROL BUTTONS



#### 1. POWER

Press the button briefly and the detector will turn on, and it will make two "beep-beep" sounds. Press the button again, and it will make one "beep" sound, and the detector will turn off.

#### 2. MODE

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

#### 3. SENS

Press "SENS" once, then press "+" and "-" to adjust the sensitivity. After adjustment, press "SENS" again to confirm or wait for 3 seconds for automatic confirmation.

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. VOL(BACKLIGHT/VOLUME)

(1). Set Volume: Shortly press the "VOL" button to set the volume level, then press it again to adjust levels of volume. There are 3 levels of volume.

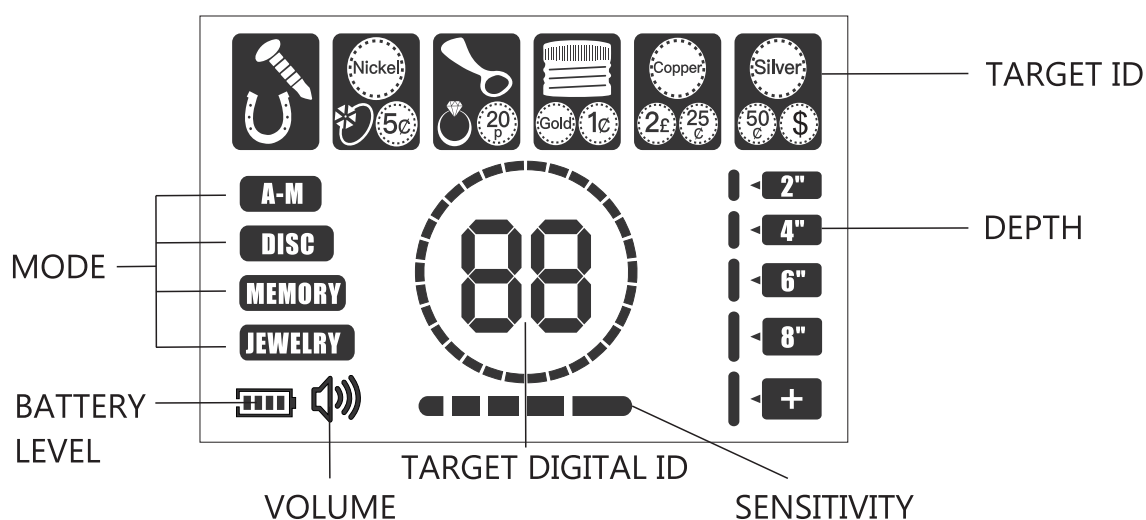
(2). Set Backlight: Press it for 3s to turn on the backlight. Long press it again to turn the light off. (The backlight setting has no memory function)

## 5. PP

It narrows down the location of the search target and allows you to determine its exact location before digging. When you determine the approximate range of the search target, you can press this button to locate the target, The closer the detector gets to the target, the louder the sound.

When entering the PP function, "PP" is displayed on the LCD and flashes. At this time, the search coil should be kept as far away from any objects as possible. Wait for 3 seconds for the display to stabilize before testing again.

### 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

- The DISC mode can eliminate unwanted metal targets.
- Press the MODE key to select the DISC mode, and DISC will be displayed on the LCD. Press the "+" key from left to right to eliminate unwanted targets. The icons of the eliminated targets will disappear on the LCD. The detector will not detect these targets. The user can choose to eliminate multiple targets by using the DISC mode. Press the "-" key from right to left to restore the required targets.

**Note:** The 1 right-most categories can't be eliminated. These 1 right-most categories represent silver or other high-value targets, which are generally desirable.

### **(3) 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.

### **(4) 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

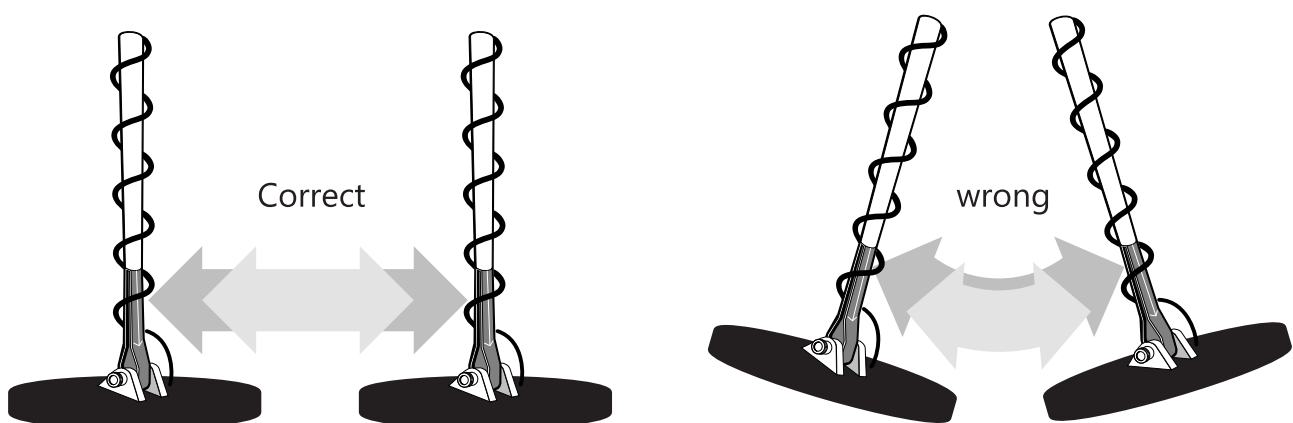
| Target        | Iron                                                                                      | 5 cent/<br>Nickel/Ring                                                                    | Pull tab/<br>Ring                                                                         | 1cent/zinc/<br>S-caps/Ring                                                                 | 10 cent/<br>Copper/Coin                                                                     | 25 cent/<br>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                | 1.The detector may receive interference and false signals from broadcast antenna and other electronic lines<br>2.The humidity of environment may be extremely high                    | 1.Change the searching place<br>2.Wait for some time to check again                                                                                   |
| The detector sounds false signals                                           | 1.Sensitivity set too high/environmental electromagnetic interference<br>2.Sweeping the detector's search coil too fast or at a wrong angle<br>3.Using 2 detectors in close proximity | 1.Reduce the sensitivity<br>2.Sweep the search coil more slowly and hold the detector correctly<br>3.Keep two detectors at least 6 meters (20') apart |
| The detector does not detect anything                                       | 1.Sensitivity set too low<br>2.Target range is eliminated<br>3.Search coil is not parallel to the ground                                                                              | 1.Increase the sensitivity<br>2.Recover all target ranges<br>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<br>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<br>2.Sweep the search coil with different angles                             |
| The detector does not function                                              | 1.Five-pin cable not connected well<br>2.Dead battery                                                                                                                                 | 1.Re-plug it properly<br>2.Replace with a new battery                                                                                                 |

## CONTACT INFORMATION

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