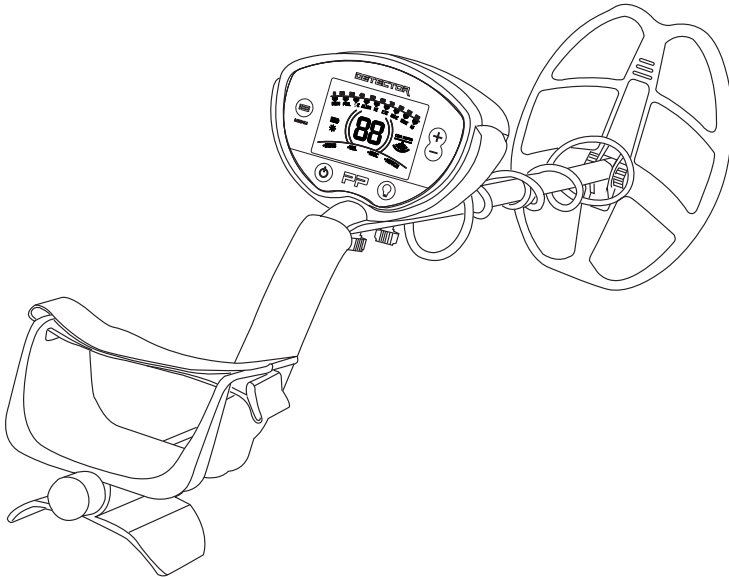


User Manual

Metal Detector

Model No. GC-1051



GC-1051

**Ricomax**

Power: 2x9V Batteries
Made in China
<https://rmricomax.afterservice.vip>



Scan here to contact us [24Hrs Online]

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After-sales Email: rmricomax@afterservice.vip

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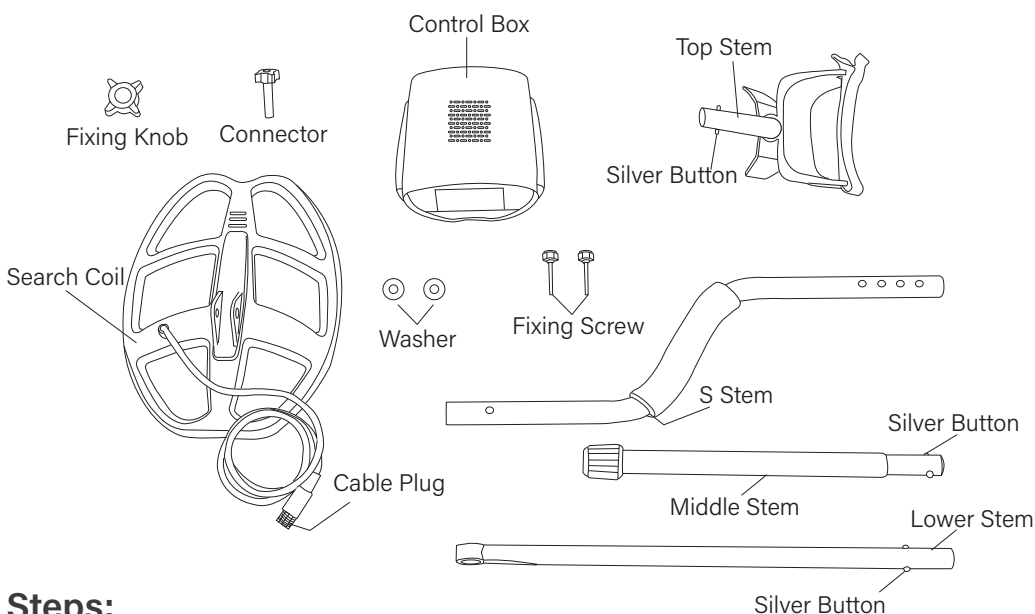
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Thanks for choosing our GC-1051 metal detector. You can hunt for coins, relics, jewelry, gold, and silver anywhere with this metal detector. The detector has high sensitivity and strong ability of discrimination.

Assembling Instructions

▶▶▶ 1. Assembling the Detector

It is easy to assemble the detector without any special tools.



Steps:

- ① Unscrew the fixing knob on the search coil and remove the knob connector. Place the washers into the groove of the lower stem. Then insert the stem and align the holes on the search coil bracket and the stem. Push the connector through the holes and tighten the knob.
- ② Press the silver button on the lower stem and slide the stem into the middle stem.

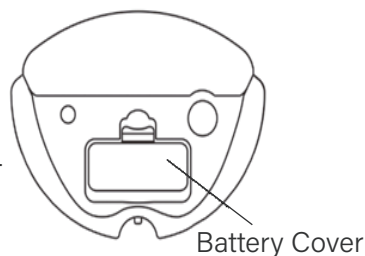
- ③ Press the silver button in the middle stem and slide the middle stem into the S stem. Then tighten the lock nut on the S stem.
- ④ Press the silver button in the top stem, and slide the top stem into the S stem.
- ⑤ Adjust the stem to a length that you feel comfortable with when you stand upright with the detector in your hand and the search coil is parallel to the ground with your arm relaxed at your side. Then counter-clockwise rotate the lock nut to tighten it on the middle stem.
- ⑥ Fix the control box on the S stem and tighten the fixing screw properly.
Wind the search coil cable around the stem. Insert the search coil's cable plug into the five-pin jack at the back of the control box.

Notes:

- **Do not** over tighten or use the tools such as pliers to tighten the search coil.
- The plug of the search coil fits into the connector **only** in one way. **Do not** force the plug or pull on the cable which could cause damage.
- Stand and stretch your arm, hold the metal detector to make the search coil above the ground for 0.3 to 1.9 inches (1-5cm). Then rotate the lock nut of the stem counterclockwise to tighten it.

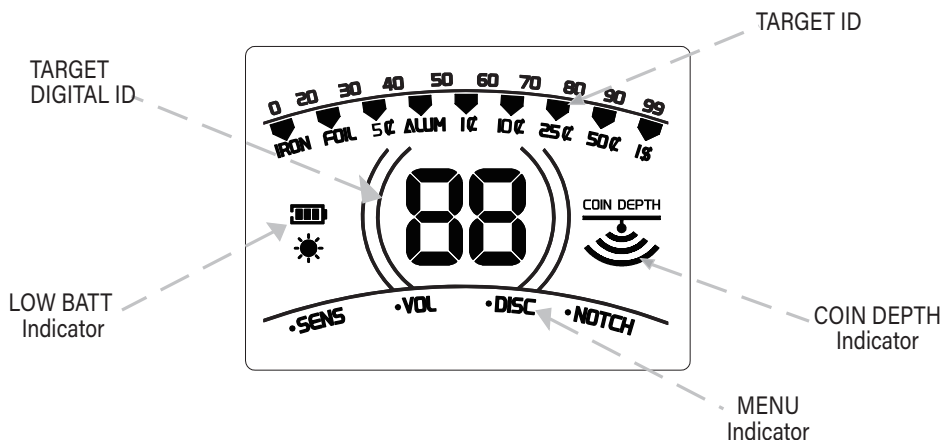
▶▶▶ 2. Installing the Battery

- ① Turn off the power before installing the batteries.
- ② Take the battery cover off.
- ③ Place two 9V alkaline batteries into the battery compartment and match the polarity symbols (+ and -) marked inside.



Indicators and Functions

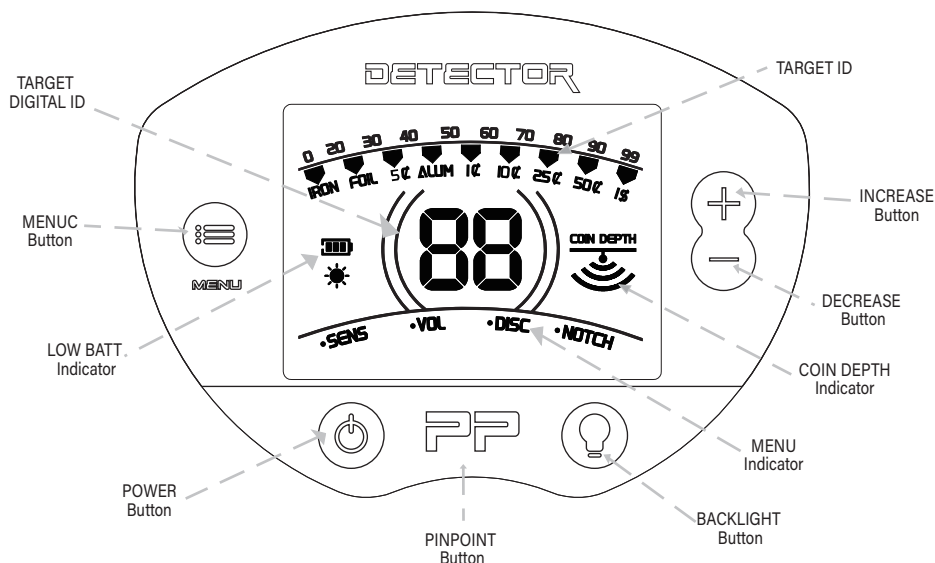
▶▶▶ 1. LCD Display



- ① **LCD Display:** Show the probable type of metal, the depth of the target, the range of DISC, NOTCH, the level of SENS, VOLUME and the battery power level. It also shows the digital display for the target ID.
- ② **Three Tone Audio Discrimination:** Sound three distinctive tones (high, medium and low) for different types of metal.
- ③ **Six Controls:**
 - **POWER:** Turn on or off the power.
 - **MENU:** Press it to select the desired operation mode and the setting of SENS and VOLUME.
 - **INCREASE (+):** Increase the level of sensitivity or volume and the range of DISC (discrimination) or NOTCH.
 - **DECREASE (-):** Decrease the level of sensitivity or volume and the range of discrimination or NOTCH.
 - **BACKLIGHT:** Press it to turn on or off the backlight.
 - **PP:** Pinpoint the location of the target accurately.










- ⑤ **Headphone Jack:** Support connecting and operating the 3.5mm headphones.
- ⑥ **9.44inch (200mm) Waterproof Search Coil:** Support using it under

▶▶▶ 2. Control Panel



- **POWER:** Press the button to power on the detector. Press it again to power off the detector.
- **MENU:** Press **MENU** to select the desired operation mode and the setting of **SENS** or **VOLUME**.
- **INCREASE (+):** Press the button to increase the level of sensitivity or volume and the range of DISC (discrimination) or NOTCH.
- **DECREASE (-):** Press the button to decrease the level of sensitivity or volume and the range of discrimination or NOTCH.
- **BACKLIGHT:** Press the button to turn on or off the backlight.
- **PP:** Press and hold the button for precision target pinpoint at any time.
(Note: Coil motion is not required as a motionless search coil over a metal target will induce sound.)

▶▶▶ 3. Target Indicators

Metal range	IRON	GOLD RANGE				SILVER RANGE			
Target	Iron	Foil	5¢	ALUM	ZN	10¢	25¢	50¢	1\$
Tone	Low	Medium	Medium	Medium	Medium	High	High	High	High
ID Display	 IRON	 FOIL	 5¢	 ALUM	 ZN	 10¢	 25¢	 50¢	 1\$
Digital value	1-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99

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**.

▶▶▶ 4. More Operation

- ① **Adjustable Shaft:** Support adjusting the length of shaft for comfortable use.
- ② **Power:** The detector requires two 9-volt alkaline batteries (**not included**).
- ③ **Backlight:** Support better use in dark places.

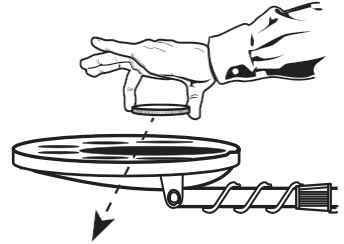
Basic Operations

▶▶▶ 1. Supplies Needed

- a Nail (Made of Iron)
- a U.S. Quarter (or Silver Coin)
- a U.S. Nickel
- a Gold Ring
- a U.S. Dime
- a U.S. Penny Made of Zinc(Dated after 1982)

▶▶▶ 2. Position the Detector

- ① Place the detector on a table with the search coil hanging over the edge or hold the detector with the search coil off the ground.
- ② Keep the search coil away from walls, floors and metal objects.
- ③ Remove watches, rings and jewelry.
- ④ Turn off lights or appliances whose electromagnetic emissions may cause interference.
- ⑤ Pivot the search coil back.
- ⑥ Press the **POWER** button to power on.



▶▶▶ 3. Using DISC (Discrimination)

- ① Pass all objects over the search coil and notice the different tones.

Nail: Low Tone

Nickel: Medium Tone

Zinc Penny: Medium Tone

Gold Ring: Most gold rings will register with a medium tone.

Dime: High Tone

Quarter: High Tone

- ② Press the **SETTINGS** button until **DISC** is displayed on the LCD.
- ③ Press the **“+”** button once. The iron indicator on the display will disappear.
- ④ Wave the nail. It will not be detected because it has been “discriminated out.”

▶▶▶ 4. Using NOTCH

- ① Press the **MENU** button until NOTCH is displayed on LCD.
- ② Press the **"+"** button twice. The 5 cent icon will flash for 3 seconds and then disappear, which means 5 cent is "notch out" (eliminated). The detector will have no response to 5 cent. To eliminate **"Zn"**, press the **"+"** button for four times. The **"Zn"** icon will flash and then disappear.
- ③ Wave a 5 cent coin or Zinc Penny over the search coil. They will not be detected because they have been "notched out" (eliminated).

Note: the target categories not displayed on LCD **cannot** be detected.

Notes:

- For fast proceeding, press the **MENU** button while the icon is flashing to accept the Notch.
- To pick up the target that has been eliminated, press the **"+"** or **"-"** button to have the target icon flash and then press the **SETTINGS** button.

▶▶▶ 5. Using PINPOINT

- ① Press and hold the **PP** button. **"PP"** momentarily appears on the LCD.
- ② Hold a coin motionless over the search coil.
- ③ Lower coin toward the search coil and then raise coin away from the search coil.
- ④ Notice that the sound changes as the coin moves closer and farther.
- ⑤ Notice that the depth indicator changes as the coin moves up and down.

▶▶▶ 6. Adjusting SENS (SENSITIVITY)

- ① Press the **MENU** button until **SENS** is displayed on LCD.
- ② Press the **"+" or "-"** button to set the desired level. Sensitivity level can be set from 1-10. The relative digital value will be displayed on LCD when the **"+" or "-"** button is pressed.

Please reduce the sensitivity If the detector beeps erratically or beeps when there are no metal objects being detected.

Note:

Cell phones, cell phone towers, etc., all produce interference signals and may cause the detector to beep without metal presenting and sometimes to beep erratically.

▶▶▶ 7. Adjusting Volume

- ① Press the **MENU** button until **VOLUME** is displayed on LCD.
- ② Press the **"+" or "-"** button to set the desired level. The VOLUME level can be set from 0-10. The relative digital value will be displayed on LCD when the **"+" or "-"** button is pressed.

▶▶▶ 8. Overload Warning

If a metal object or highly magnetic soil are too close to the search coil, the detector will overload and "- -" would appear on LCD. The detector will make a rapid and repeating mid-tone warning sound. Overload will not harm the detector, but the detector will not function under these conditions. If overload occurs, raise the search coil to detect the target from a greater distance or move to a different location.

►►► 9. Using Headphones

- Please choose the headphones with the volume control function.
- Insert the headphones' 3.5mm plug into the headphone jack at the bottom of the control box to disconnect the internal speaker.

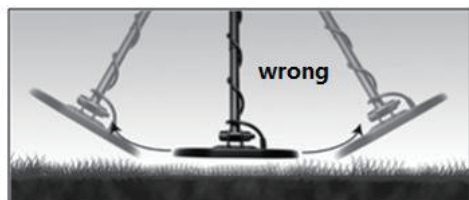
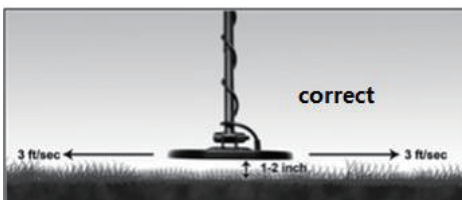
►►► 10. Using Backlight

- In dark areas, you can turn on the backlight for better searching.
- Press the **BACKLIGHT** button to turn on the backlight. Press the button again to turn it off.

Note: As the backlight consumes more power, please turn off the light in the normal environment.

Outdoor Detecting Guide

1. Find a place outside that is no metal presenting.
 2. Place a sample you want to find on the ground.
 3. Press the **POWER** button to power on the detector.
 4. Hold the search coil level to the ground about 1~2 inches above the surface and slowly move the search coil over the area where you placed the sample. Then sweep the search coil in a side-to-side motion.
- 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.



- Sweep slowly, as hurrying will cause you to miss targets.
- It is 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 an arrow above the target icon appears. LCD also displays the digital value and the depth of the target.

If the detector does not detect the item please make sure that the mode is set correctly for the type of metal you are searching for. Also make sure that you are moving the search coil correctly.

Note: The detector responds with a signal when it detects most valuable metal objects. If a signal does not repeat after you sweep the search coil over the target for 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.

Detecting with PINPOINT

▶▶▶ 1. Using Steps

After you find a target, you can use **PP(Pinpoint)** to find the exact location of the target as follows:

- ① Press and hold the **PP** button to activate the Pinpoint feature.
- ② Position the search coil just barely off the ground, and to the side of the target.
- ③ Move the search coil slowly across the target, and locate it by the sound.
The target is located directly under where the sound is loudest.

▶▶▶ 2. Narrow Down Steps

- ① To narrow the response further, position the center of the search coil near the center of response pattern, but not directly over the center.
- ② Release the **PP** button.
- ③ Immediately press and hold the **PP** button again.
- ④ Repeat this narrowing procedure to narrow the field of detection further.

Safety Precautions

Note:

Cell phones, cell phone towers, etc., all produce interference signals and may cause the detector to beep without metal presenting and sometimes to beep erratically.

- Use 9-volt Alkaline batteries and **do not** use "Heavy-Duty" or ordinary "Zinc-Carbon" batteries.
- The detector will maintain full performance until the batteries need to be replaced. Replace batteries when there are no segments remaining on the battery level indicator and you should use the alkaline batteries.
- Dispose of the old batteries properly. **Do not** bury or burn them.
- Use **only** fresh alkaline batteries of required size.
- **Do not** mix the old and new batteries or different types of batteries.
- If the detector is not used for a week or more, please remove the batteries which can leak chemicals to destroy the electronic parts.

Troubleshooting

Problems	Reasons	Suggestions
The detector displays or sounds without detecting any target.	<ol style="list-style-type: none">1. The detector may receive interference and false signal from broadcast antenna and other electronic lines.2. The humidity of environment may be extremely high.	<ol style="list-style-type: none">1. Change searching places.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. Sweep the detector's search coil too fast or at wrong angle.3. Using 2 detectors in close proximity.	<ol style="list-style-type: none">1. Reduce sensitivity.2. Sweep the search coil more slowly and hold the detector correctly.3. Keep two detectors at least 20 inches 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 sensitivity.2. Recover all target range.3. Adjust the search coil angel to be parallel to the ground.

Problems	Reasons	Suggestions
LCD display 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 cannot 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.
No Power, No Sound.	<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 the batteries.

Note: If you have any question about this product, please contact customer service via email: **rmricomax@afterservice.vip**

Warranty and contact information

We not only provide a **1-year warranty** for all our products but also offer high-level after-sales service. If you have any questions about the product, please contact customer service via email: **rmricomax@afterservice.vip** or tel: **+18334580700** (EST 9am-5pm Monday to Friday).



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