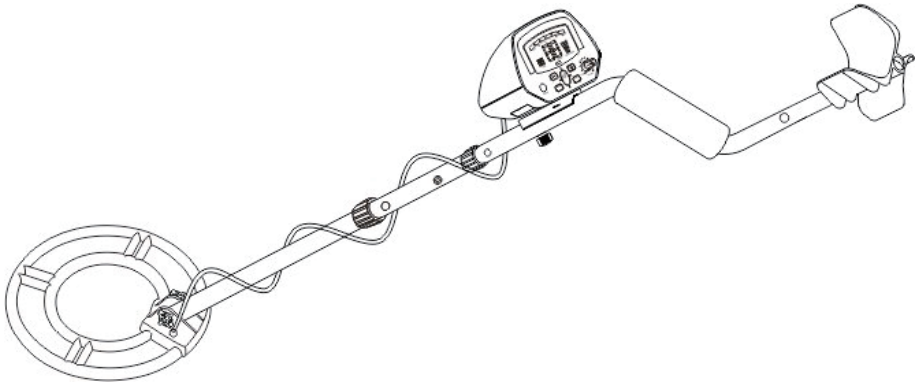


Metal Detector

GC-1037

User Manual



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With the GC-1037 metal detector, you can hunt for coins, relics, jewelry, gold and silver just about anywhere. The detector comes with high sensitivity and strong ability of discrimination. It is versatile and easy to use.

Please read this manual carefully before use, and keep it for future reference.

1. Features

LCD Display: Shows the probable type of metal, the depth of the target, range of DISC & NOTCH, the level of SENS, and battery condition. It also has numeric display for target.

Three Tone Audio Discrimination: Sounds three distinctive tones (high, medium and low) for different types of metal.

Notch: Ignores junk metal and finds valuable items by setting the notch range.

DISC: Discriminates the unwanted target by setting the DISC numeric range. The detector will not detect the target beyond the numeric setting.

LIGHT: Used in dark areas.

PP: Pinpoints the location of the target accurately.

Super Slow Sweep Identification: With a very slow sweep of the search coil to discriminate different types of metal.

Headphone Jack: 3.5 mm headphones (not provided in this product) can be connected, and normal operation is possible.

250mm Waterproof Search Coil: It allows you to use the detector even if it must be placed in shallow water.

Adjustable Shaft: The length of the shaft can be adjusted for comfortable use.

Power Supply: The metal detector requires two 9-volt alkaline batteries (not included in this product).

Backlight: The backlight function will automatically turn on in dark places. As the backlight consumes a lot of power, it's better to turn it off in bright places.

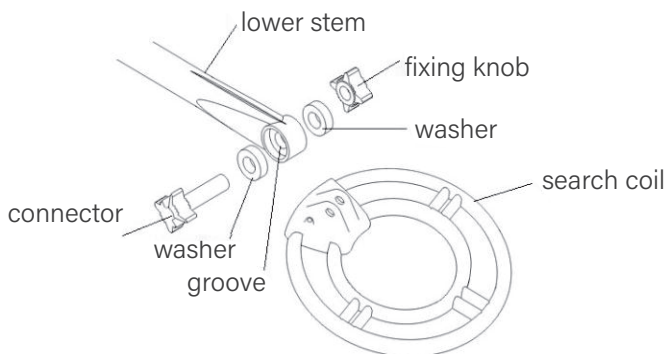
2. Preparations Before Use

2.1 Assembly of the Detector

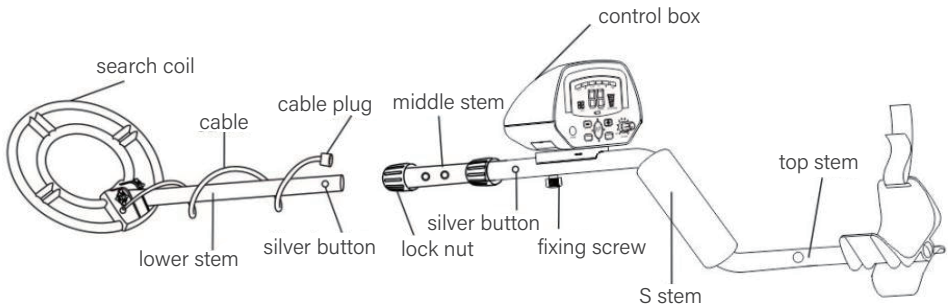
The Assembly of your detector is easy and requires no special tools. Just follow these steps :



- 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 in the lower stem, and slide the stem into the middle stem.

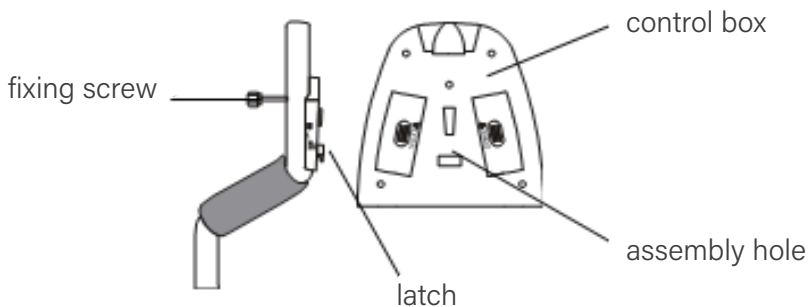


3) Press the silver button in the middle stem, and slide the stem into the S stem. Tighten the lock nut on the S stem.

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 when you stand upright with the detector in your hand. At this time, the search coil is level with the ground and your arm can be relaxed at your side. Then counterclockwise rotate to tighten the lock nut on the middle stem.

6) Insert the latch on the top of the S stem into the assembly hole on the bottom of the control box. Then slightly push the control box in the direction of "IN" marked on the S stem to fix the latch in place. Secure the control box with fixing screw properly.



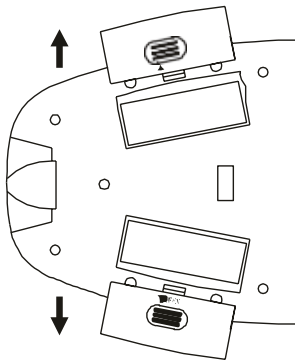
7) Wind the search coil cable around the stem. Insert the search coil's cable plug into the five-pin jack at the back of the control box.

Cautions:

- Do not over-tighten the search coil or use tools such as pliers to tighten it.
- The search coil's plug fits into the connector only in one way. Do not force the plug and do not pull the cable otherwise you may damage it.

2.2 Installation of the Batteries

- 1) Turn off the power before installing the batteries.
- 2) Slide the left and right battery covers off in the direction of the arrow.
- 3) Place a 9V battery into the battery compartment, matching the polarity symbols ("+" and "-") marked inside.



Warning:

- Dispose of old batteries promptly and properly. Never bury or burn them.

Cautions:

- Use only fresh alkaline batteries of required size.
- Do not mix the old and new batteries or different types of batteries.
- If you don't plan to use the unit for a week or more time, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.
- Change the batteries if the battery indicator on the LCD lights.

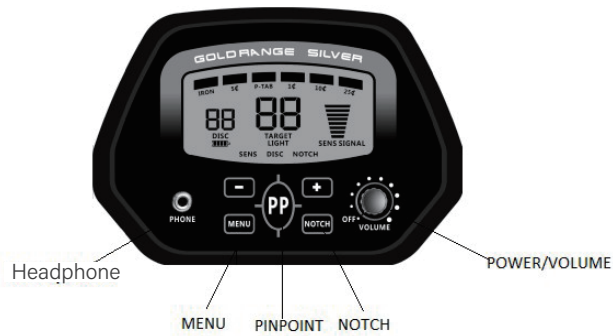
2.3 Use of the Headphones

- 1) It is recommended to choose the headphones with volume control.
- 2) Insert the 3.5mm plug of the headphones into the phone jack. At this time, the internal speaker is disconnected.

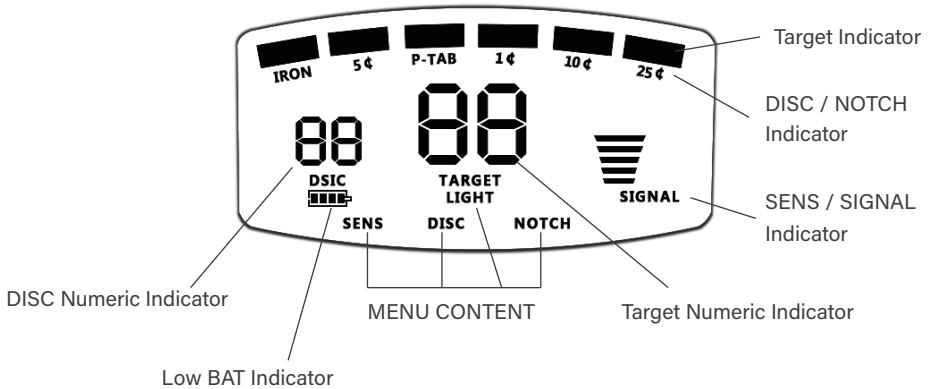
Cautions:

- To protect your hearing, set the volume to the lowest setting.
- Before listening, adjust the volume to a comfortable level.
- Do not listen at an extremely high volume level. Extended high volume listening can lead to permanent hearing loss.
- Do not wear headphones while operating your detector near high-traffic areas. Pay attention to traffic safety.

3. Instructions for Control Panel



- 1) **VOLUME/ POWER Switch:** Rotate the volume control away from "OFF" to turn on the detector.
- 2) **PHONE JACK:** You can insert the 3.5mm plug of the headphones into the phone jack. At this time, the internal speaker is disconnected.
- 3) **LCD Display**



CONTROL BUTTONS

- ① **MENU:** Press “**MENU**”, and LCD will display LIGHT, SENS, DISC and NOTCH. One of the displayed items will flash. If no button is pressed in next 5 seconds, the flashing item will be selected.
 - ② **SENS:** Press “**MENU**” to select SENS. Then press “+” or “-” to adjust the level of sensitivity. The level will be displayed on the LCD.
 - ③ **DISC:** Discriminates the unwanted target by setting the numeric range. Press “**MENU**” to select DISC. Then press “+” or “-” to adjust the numeric range of discrimination. The number will be displayed on the LCD.
 - ④ **NOTCH:** Eliminates the target you don’t want. Press “**MENU**” to select NOTCH. Then press “+” or “-” to select the target to be notched. The cursor above the selected target will flash. Press NOTCH again, and the target name below the cursor will disappear.
 - ⑤ **PP:** Pinpoints the location of the target accurately.
 - ⑥ **LIGHT:** Press “**MENU**” to select LIGHT. Then press “+” or “-” to adjust the level (0-9) of LIGHT. The level will be displayed on the LCD.
- 4) **MEMORY:** The detector will memorize all the settings before power is off.

4. Operation

4.1 Turning on the Detector

Rotate the volume control away from **"OFF"** to turn on the detector. After about 2 seconds, the detector enters into standby state. At this time, the default mode is DISC. LCD displays DISC of "00" and SENS of 6 bars.

4.2 Testing and Using the Detector

To learn how the detector reacts to different metals, it should be tested before first use. You can test the detector indoors and outdoors.

4.2.1 Indoor Testing and Use

STEP 1: Rotate the volume control away from "OFF" to turn on the detector.

STEP 2: Set the operating mode.

- (1) DISC: Press **"MENU"** to select DISC, then press "+" or "-" to set the DISC numeric value. If the DISC value is set to "00", the detector can detect various metals. In this case, when the detector finds a target, the cursor above the target name lights. Also the detector sounds a tone, low for iron, 5¢/nickel; medium for pull tabs, zinc; high for 10¢, 25¢ or silver object. If you don't want to find the targets listed on the LCD, you can set the relative numeric range of DISC by pressing **"DISC"**, and then press "+" or "-". For example, the numeric target range for 5¢ is 11-20, you can simply press **"MENU"** to select DISC, then set the DISC number to 21 by pressing "+" or "-". In this case, the detector will have no response when the digital range exceeds 5¢. And the detector will not respond to iron, because the target number range for iron is 0-10.

(2) NOTCH: Press "**MENU**" to select NOTCH, then press "+" or "-" to select the target to be notched. The cursor above the selected target will flash. Press NOTCH again, and the target name below the cursor will disappear. It means this target will be notched during the detection and the detector will have no reaction to the notched target. If you want to pick up the target notched, simply press NOTCH again. Press "+" or "-"; and the cursor will move from left or right. If NOTCH is not pressed within about 3 seconds, the detector will enter the standby state.

Notes:

- It is not recommended to notch all targets listed on the LCD. Because if you notch everything, you can't find anything.
- If you want to select the setting of DISC or SENS after pressing NOTCH, you have to wait for about 3 seconds until the cursor above the target goes out.
- Press "**MENU**" to select SENS, and then press "+" or "-" to set the sensitivity. The default level is of 6 bars.
- Place the detector on a wooden or plastic table, and then remove all watches, rings, or any other metal jewelry you are wearing.
- Adjust the search coil so the flat part points towards the ceiling.

Warning:

Never test the detector on the floor inside the building. Most buildings have some kind of metal on the floor, which may interfere with the object being tested or completely obscure the signal.

STEP 3: Slowly sweep a sample of the material you want the detector to find (such as a gold ring or a coin) 2-3 inches or more above the face of the search coil. When the detector detects any metal, it sounds a tone and the cursor above the target name will light. Also LCD displays the numeric value of target as well as the signal strength of it. Please note that the signal strength is only a reference.

Note:

If you are using a coin as a sample, the detector will detect it much easier if you hold its flat side and make it parallel to the flat side of the search coil. Sweeping the search coil above the coin may cause false indications and unstable target display.

STEP 4: When you find a metal object, you can use PP to pinpoint the target.

Press and hold **"PP"** button and slowly move the search coil above the sound area. The detector sounds and the signal indicator on the LCD displays the level of signal. Then release the button, sweep the search coil again, keep the distance between the search coil and the sound area the same as the last operation, and sound disappears. Press and hold **"PP"** button again, and put the search coil close to the sound area. At this time, the detector sounds again. Repeat the above steps until the detector displays a stronger signal at the target location. Press **"MENU"** to quit the PP mode.

Notes:

- After pressing the "PP" button, the LCD displays 1 or 2 signal bars, and the beep sound appears. This is a normal phenomenon and will not affect operation.
- You can press and release "PP" button several times to eliminate the initial weak signal and beep sound before pinpointing.
- To find the exact target location, you need to practice several times.

4.2.2 Outdoor Testing and Use

STEP 1: Rotate the volume switch away from **"OFF"** to turn on the detector.

STEP 2: Follow the steps in "Indoor Testing and Use" to set the operating mode.

STEP 3: Find an area on the ground outside where there is no metal.

STEP 4: Place a sample of the material you want the detector to find (such as a gold ring or a coin) on the ground. (**Note:** If you are using valuable metal such as gold to test the detector, mark the area where you place

the item to help you find it later. Do not place it in tall grass or weeds).

STEP 5: 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, and sweep the search coil in a side-to-side motion.

4.3 Target Indications

1) Numeric ranges of target:

- IRON:	00-10
- 5¢:	11-20
-P-TAB:	21-40
-ZN(1¢):	41-60
-10¢:	61-75
-25¢:	76-99

Note:

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

2) Types of target:

-IRON: It indicates that the target is probably iron.

-5¢: It indicates that the target is probably 5¢ or a nickel. Some small gold rings might register within this range.

-P-TAB: It indicates that the target is probably a pull tab of an aluminum can. Some small gold rings might register within this range.

-1¢: It is indicated that the target is probably a coin of 1¢ or type of metal of zinc alloy. Some medium sized gold rings might register within this category.

-10¢: It indicates that the target might be a coin of 10¢. Some large rough gold items might register within this category.

-25¢: It indicates that the target is probably 25¢ or a silver coin.

3) Tones

The detector comes with three tones for different types of metal. And the built-in audio identification system sounds unique tones for each of the three categories of metal. This makes it easier to identify the metal being detected.

A low tone is for IRON, 5¢, same as for foil, bottle cap or nickels. A medium tone is for P-TAB, ZN, 1¢(aluminum pull tabs, zinc or copper items). A high tone is for 25¢ 10¢, same as for brass or silver items.

Notes:

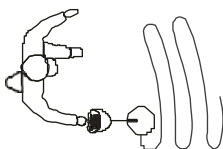
- When you set the detector to DISC or NOTCH mode, the detector sounds a medium or high tone when it detects highly oxidized iron.
- Depending on the purity, a ring with a gold content of about 15% will cause the detector to sound a medium tone.

4.4 Hints for sweeping the search coil:

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



- 2) Sweep slowly, because 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 to the ground.
- 4) If the detector detects the target, the tone will sound and the target name



above the cursor will light. The LCD will also display the numeric range of target as well as the depth (signal strength).

- 5) If the detector does not detect the target, make sure that the mode is set correctly for the type of metal you're searching for. Also 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 may be 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.

4.5 Adjustment of Sensitivity

After you become familiar with how your detector works, it's important to fine tune the sensitivity to get a good effect.

Press "**MENU**" to select SENS. Then press "+" or "-" to increase or decrease the sensitivity. The level will be displayed on the LCD.

Note:

In order to detect deeply buried targets, you can adjust the SENS to a higher level. But do not set the SENS level to the highest, otherwise the detector will receive interference and false signal from broadcast antenna and other electronic lines. The detector will have unstable and irregular indications.

4.6 Use of Light

In dark area, you can use LIGHT for better searching. Press "**MENU**" to select LIGHT. Then press "+" or "-" to adjust the level (0-9) of LIGHT. The level will be displayed on the LCD.

Note:

As the light consumes more power, we suggest you setting the value to "0" in a normal environment.

5. Factors That Affect The Detecting

It's difficult to have an accurate detecting result. Sometimes the detecting may be restricted by following 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 areas of highly mineralized ground, fertile ground or wet sand, the detector will sound even if there is no metal. In this case, you can lower the sensitivity or increase the DISC numeric value. Please increase the distance between the search coil and the ground. In areas with junk metal, you can set DISC numeric value to 50. In this case most nails and small pieces of iron will be ignored. Metallic digging tools will also affect the detection if they are near the search coil. So it's better place them a little far away.

6. Care And Maintenance

Your metal detector is an model of excellent in design and craftsmanship. The following suggestions will help you maintain the metal detector and extend its service life.



Handle the detector gently and carefully. Dropping it will damage the circuit boards and cases, which may cause that the detector cannot work normally.



Use the detector only in normal temperature environments. Extreme temperature environments will shorten the lifespan of the electronic devices and damage the cases of the detector.



Keep the detector away from dust and dirt, which can cause premature wear of parts.



Wipe the detector with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents or strong detergents to clean the detector.

7. Warranty 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 this product, please contact customer service via email: **supportus@tymextools.com** or tel: **+1 833 458 0770** (EST 9am-5pm Monday through Friday)

Scan the QR code to get 24/7 online customer service + **extended 1-year warranty!**



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