

# GC-1001 Handheld Metal Detector

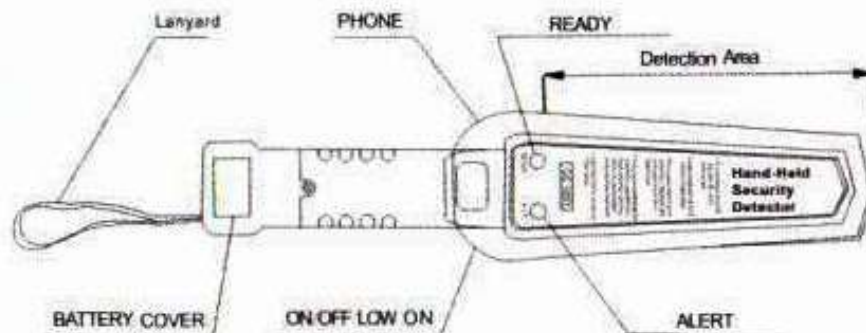
## General

Your GC-1001 is a portable handheld metal detector. It's a special tool for security inspection. The main features include LED & audio alarm, auto scanning, quick response to small object, and 3.5mm headphone jack. It's mainly used for security inspection in airport, court, stadium, prison, and other entertainment places. It can find concealed weapons, knives and other metal objects in baggage and post parcels.

## Operation

1. Open the battery cover with a screwdriver and remove it backwards. Install one 9v
2. alkaline battery (6F22.S006P) correctly, paying attention to the anode and the

## Back Panel



cathode of the battery. Recover the battery cover and tighten the screw.

Hold the handle of your GC-1001 metal detector, power on by pressing the switch up to ON position, after the unit auto-scan for, 1—2 seconds, the green Ready lights on the front and back panel of your metal detector blink and the red Alert lights

3. extinguish which indicates your metal detector is in normal operation.

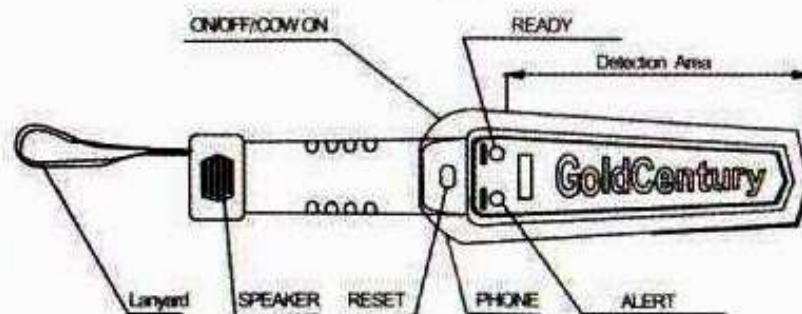
Press and hold the switch down to power on, the unit will be in momentary and

low-sensitivity operation. The switch will return to OFF position automatically by releasing it.

4. When the detection area sweeps through a known object (such as a coin), speaker gives off audio alerts and red Alert lights on the front and back face of your metal detector illuminate as alert. For large metal objects (such as a steel ruler), the audio tone will be higher than it for small objects.

#### Function

#### Front Panel



#### 1. Power Switch

The power switch is a rocker and lever handle switch, which has two main functions and three positions. Power: ON-OFF – (ON), Sensitivity: Normal – OFF – (Low).

#### 2. Audio Alert

When the detection area sweeps through a metal object, speaker gives off audio alerts. When a  $\phi 3.5$ mm earphone is connected through the earphone jack, the earphone will give off audio alerts instead of speaker.

#### 3. Light Alert

When your metal detector finds a metal object, the red Alert lights on the front and back faces of your metal detector illuminate. The function is also available



when an earphone is in use.

#### **4. Audio Tone Discrimination**

Taking advantage of the feature of ATD, there is only change of audio volume when detecting a small metal object, while there are changes of both audio volume and pitch of the audio tone when a large metal object is detected.

#### **5. Reset**

Reset is a light-press button, press it lightly to recover to the normal operation, especially for existence of illusive alerts and when the temperature of detection environment changes rapidly.

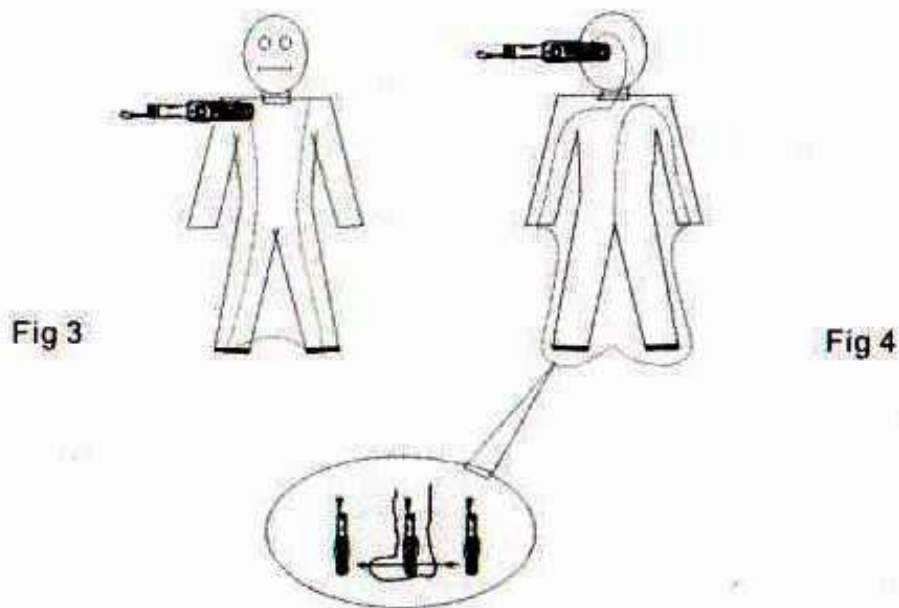
#### **6. Earphone**

When you detect in extremely noisy environment or for individual special need, you can connect an earphone for silent operation.

#### **7. Low Battery Indication**

After powering on your GC-1001 (without detecting any metal object), it keeps on giving off audio alerts, the green Ready lights aren't blinking any more and the red Alert lights are on, which indicate the voltage of the battery is "low" and there is need to replace it with fresh battery. In low battery condition, your GC-1001 is also able to detect metal, but you can only distinguish different audio tone from sustaining audio alerts. To ensure the reliability of the detection result, you'd better replace with the fresh alkaline battery.

### **Body Scanning Procedure**



First, to scan the front of the body, pass the detector from the right shoulder down to the ankles and then up to the left shoulder as shown in Figure 3.

1. Second, to scan the back of the body, start behind the head, follow the outline of the body and pass down the line of the spine as shown in Figure 4.
2. At last, to search feet and ankles, keep detector vertical, approximately 1-2 inches above the floor. It may be necessary to use the Low button while searching near floors.

### **Maintenance**

Power off your GC-1001 if the metal detector is not in use. Keep your metal detector clean and dry. Clean your detector with a damp cloth to maintain its appearance. Do not use chemical cleaners.

Remove the battery from the battery compartment if you don't want to use it for a long time.