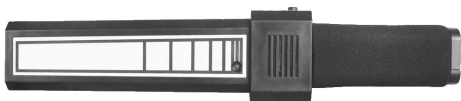


**BODY SCANNER**

**METAL DETECTOR**

**OWNERS MANUAL**





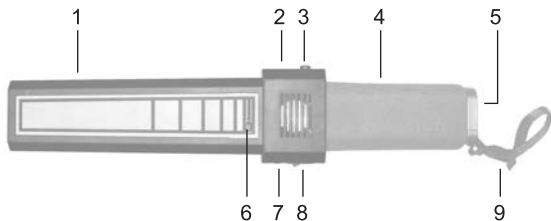
## GENERAL DESCRIPTION

Please read and understand this manual before using the detector. Always test the detector for proper operation before use. The Body Scanner/Metal Detector is ideal for using at airports, industrial sites, government buildings, schools, hospitals, conferences, nightclubs, sport events, or in other places where security is needed. It is sensitive enough to detect a metal object whose size is the same as a 25 cent coin. When it detects metal, it will sound or vibrate, meanwhile the LED will light.

## FEATURES

1. A Red LED lights when the detector detects metal.
2. Pressing and holding the **Desensitize** button reduces the detector's sensitivity by about 50 percent, so you can scan for example near floors which contain large amounts of steel rebars, or scan in the places where only larger metallic objects are required to be detected.
3. The earphone jack lets you connect the earphone to the detector so that you can scan in privacy.

# INSTRUCTION



**Figure 1**

## **1. Detecting Wand**

It is the detecting part. When you perform detection, you should move it near the area to be detected.

## **2. Charger/Earphone Jack**

It is used for earphone or battery charging.

## **3. Desensitize Button**

To decrease the detector's sensitivity, press and hold this button while you detect for metallic object.

## **4. Handle**

## **5. Battery Cover**

## **6. LED**

When the detector detects metallic object, this LED lights as an indicator.

## 7. Sensitivity Adjuster

Used to adjust the sensitivity.

## 8. Selector Switch

Used to switch on/off the detector as well as to set the detector to AUDIO alarm mode or VIBRATION alarm mode.

There are three positions for this switch:

**VIBRATION**-----vibration alarm mode

**OFF**-----switch off the detector

**AUDIO**-----audio alarm mode

## 9. Carrying Cord

# INSTALLING THE BATTERY

The detector requires one 9V (6F22 or equivalent ) battery as power supply. We recommend using an alkaline battery. You can also use a rechargeable battery.

If the LED flashes continuously when the detector is far away from any metallic object, the battery is low. Although the detector still can be used for a while, its sensitivity will decrease. In this situation, you should replace the battery. If you are using a rechargeable battery, you should charge it.

## **Warning**

**Do not attempt to charge any alkaline or other non-rechargeable battery, otherwise they may explode.**

### **Follow the following procedure to install battery:**

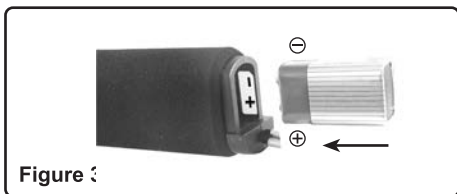
1. Slide out the battery cover.
2. Remove the exhausted battery.
3. Refer to the battery-polarity mark in the battery compartment, insert a new battery (9V, 6F22 or equivalent) into the battery compartment. Make sure the polarity connection is correct, otherwise the detector may be damaged.
4. Reinstall the battery cover.



**Figure 1**

# CHARGING THE RECHARGEABLE BATTERY

1. Set the Selector Switch to **OFF** position, then install the rechargeable battery in the battery compartment according to the polarity indication to avoid damage and personal injury, install the battery cover.



2. Insert the charger's output plug into the detector's Charger/Earphone jack.
3. Plug the charger to a standard AC outlet.  
( **Note:** Make sure that the charger matches the AC outlet. )
4. Charge the battery for 14 to 16 hours.
5. Unplug the charger from the AC outlet first. Then unplug it from the detector.

## **Note:**

You must use a correct charger. Using a charger that does not match the detector, the AC outlet or the rechargeable battery may damage the detector or the charger itself.

At the end of the battery's useful life, it must be recycled or disposed of properly.

**The charger must meet the following requirements:**

1. It can provide 12V dc voltage and at least 10mA current.
2. Its output plug's central terminal is positive.
3. Its output plug fits the detector.

## **OPERATION INSTRUCTION**

1. Set the Selector Switch to "AUDIO" or "VIBRATION" position to turn on the detector, the detector may sound or vibrate briefly, it is normal.
2. Hold the handle and move the Detecting Wand to the area to be detected. When the detector detects a metallic object, it will sound or vibrate, meanwhile the LED will light. If you set the Selector Switch to "AUDIO" position, the alarm indications are sound and LED light. If you set the Selector Switch to "VIBRATION" position, the alarm indications are vibration and LED light.
3. Move the Detecting Wand around the suspected area to confirm that you have found metal.
4. To preserve the battery life, set the Selector Switch to "OFF" position when you finish the detection.

**Note:**

1. Move the detector smoothly during detection.

2. Before you use the detector, verify its operation by detecting a known metallic object (such as a coin).
3. The detecting wand has two sides, the side which the LED is on has higher sensitivity, so you should make this side face the area to be detected when high sensitivity is required.

## **ADJUSTING THE SENSITIVITY**

The detector has been set to the optimum sensitivity level for most security scanning applications. You can adjust the sensitivity level for special applications, which require higher or lower sensitivity.

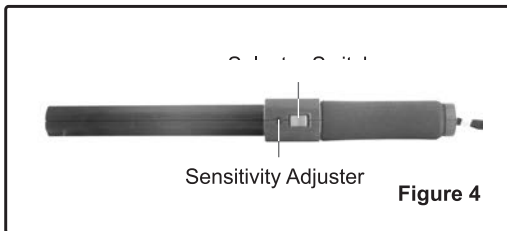
1. Turn on the detector.
2. Refer to Figure 4, locate the Sensitivity Adjuster.
3. Prepare a suitable metallic test object.
4. Gently place the tip of a suitable screwdriver onto the Sensitivity Adjuster.

Turn the screwdriver slowly until its tip fits the slot of the Sensitivity Adjuster.

Adjust the Sensitivity Adjuster for the desired sensitivity. (Turning it clockwise increases the sensitivity, turning it anticlockwise decreases the sensitivity. If the sensitivity is set too high, the detector will give alarm wrongly and you should decrease the sensitivity appropriately. ).

Each time you finish a sensitivity adjustment, move the detecting wand to the test object to verify the detector's sensitivity. If the detector does not give alarm when moved to the test object, adjust the Sensitivity Adjuster again. Keep trying until the detector can give alarm at a desired distance from the test object when you move the detecting wand to the object.

5. It is rare that the detector's sensitivity will increase or decrease when the environment temperature changes too much. If the sensitivity change happens, the detector may give alarm wrongly just after you turn on it, or it can not detect normally. In this situation, you should adjust the detector's sensitivity following the steps mentioned above.



## USING AN EARPHONE

- You can use your detector with an earphone, so you can hear the alarm through the earphone.
- Insert the earphone's plug into the detector's Charger/Earphone jack. The external sound cuts off automatically.

### **Note**

**If using earphone makes you feel uncomfortable, stop using it.**

**Do not wear earphone while operating the detector near traffic areas for safety.**

## MAINTENANCE

The detector is an example of superior design and craftsmanship. The following suggestions will help you care for the detector so you can use it for years.

1. Keep the detector dry and clean. If it gets wet, wipe it dry immediately. Liquid containing minerals can corrode the electronic circuits.
2. Handle the detector gently and carefully. Dropping it can damage the circuit and case, and may result in misoperation.

3. Do not expose the detector to extreme temperatures as these can shorten its life.
4. Clean the detector with a damp cloth occasionally. Do not use harsh chemical, solvent or abrasive to clean the detector.
5. Do not modify (or tamper with) the detector's circuit.

## SPECIFICATION

<b>Sensitivity</b>	A 25 cent coin (USD)	60mm ( 15mm* )
	Iron pipe of Ø20mm	100mm ( 30mm* )
<b>Operating Environment</b>		-10°C ~ +50°C, < 85%RH
<b>Quiescent Operating Current</b>		< 6mA
<b>Weight</b>		about 360g (including battery)
<b>Dimensions</b>		370×77×38mm
<b>Battery</b>		9V, 6F22 or equivalent
<b>Operating Frequency</b>		about 26kHz
<b>Tuning</b>		Automatic
<b>Alarm</b>		LED light & audio / vibration

The mark "\*" means detecting with reduced sensitivity by pressing and holding **Desensitize** button.

## ACCESSORIES

**Manual :** 1 piece

**Earphone :** 1 piece

**Charger :** 1 piece (optional)

**Rechargeable Battery:** 1 piece (optional)

**Note:** Charger and rechargeable battery are optional accessories.

## NOTE

1. This manual is subject to change without notice.
2. Our company will not take the other responsibilities for any loss.
3. The contents of this manual can not be used as the reason to use the detector for any special application.

### DISPOSAL OF THIS ARTICLE

Dear Customer,

If you at some point intend to dispose of this article, then please keep in mind that many of its components consist of valuable materials, which can be recycled. Please do not discharge it in the garbage bin, but check with your local council for recycling facilities in your area.



