



## AX777 GROUND SEARCH METAL DETECTOR USER GUIDE

### INTRODUCTION

The Adams model AX777 is a highly sensitive and accurate ground search metal detector. It has been specifically designed to be sensitive for the detection of all metals, ferrous and non-ferrous, including lead and alloys. The AX777 will detect “minimum” mass metal targets comparable to our already highly successful “Ultra Series” and “AD Series” hand held metal detectors. It also has the ability to differentiate between larger and smaller targets by means of a slightly longer prolonged audio/visual alarm indicating the presence of a larger target and a shorter duration alarm indicating the presence of a smaller target. With the detector set in the alternative vibration alarm setting, the AX777 will give a prolonged and intense vibration to the operator’s hand for a larger target. A small target is indicated by a short audio/visual or less intense short vibration alarm.

### FEATURES

#### ***THE ADAMS AX777 HAS THE FOLLOWING FEATURES:***

1. 8 Inch (20.32cm) circular search head (probe base).
2. Locking telescopic height adjustment.
3. Joy-Stick handle grip.
4. **CONTROL PANEL** (situated on the top of the joy-stick)
  - (a) **Horizontal Rocker Switch – ON/OFF** (Turns the detector “On” and “Off”).
  - (b) **Vertical Rocker Switch – A/V – VIB** (A/V: Selects the units Audio/Visual alarm)  
(Vib: Selects the unit Vibration only Alarm).
  - (c) **Yellow Indicator Light** - Constantly monitors the battery power level. If the battery power falls below the factory pre-set voltage level for the correct functioning of the detector, the yellow light will illuminate and stay illuminated. The operator must change the battery at this time.
  - (d) **Green Flashing Indicator light** - When the AX777 is switched to the “ON” mode the green indicator light will flash.
  - (e) **Red Alarm Indicator Light** – When the AX777 has detected a positive target, the Red alarm indicator light will illuminate. This light will **not** illuminate when the detector is in the “Vibration” mode.
  - (f) **Sensitivity Adjustment Knob** – Adjusts the detectors sensitivity to target size and ground soil type.
5. **9 Volt Battery Drawer** – Situated underneath the operators elbow support at the far end of the detector.

## **OPERATION**

**The AX777 Ground Search Metal Detector is very easy to operate. Follow the step-by-step instructions as set out below:-**

1. Place 9 Volt battery into the battery drawer, making sure that the battery +ve and -ve terminals are the correct way round. Secure the drawer back in place securely.
2. On the detectors control panel, turn the vertically positioned switch to the A/V mode. Next, Turn the horizontally positioned switch to the "On" mode. The green indicator light will now start flashing.
3. Now the unit is activated, slowly turn the sensitivity adjustment knob in a "clockwise" motion until the detector gives continuous audio/ visual alarm. Next, slowly turn the sensitivity adjustment knob "counter clockwise" until the detector is silent and stable. The AX777 is now ready for use.

It is very important to note, that during search procedures, the operator should use a slow decisive sweeping motion, not fast erratic, or irregular movements, as this detector is a very sensitive device.

4. If the detector is found to be too sensitive for the given working environment, the operator continues rotating the sensitivity adjustment knob "counter clockwise" until the desired sensitivity level has been reached.

The sensitivity adjustment knob is a "**Slip Clutch**" device. This means, the adjustment knob can be rotated an indefinite number of turns without reaching a stopping point. When the operator makes an adjustment using this knob, the amount of adjustment or change to the circuitry per turn of the knob is very gradual (fine). This enables operator to have precision adjustment and control of the detectors performance.

***Familiarity with the function of the sensitivity adjustment control is very important to the operator, to ensure that the AX777 is working at optimum performance during use.***

**FOR MORE INFORMATION ABOUT  
ADAMS METAL DETECTOR PRODUCTS  
CHECK US OUT AT:**

**[www.adamsinc.com](http://www.adamsinc.com)**

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