

Garrett Metal Detectors  
1881 W. State Street  
Garland, TX 75042  
Tel: 1.800.234.6151  
Tel: 972.494.6151  
Fax: 972.494.1881  
E-mail: security@garrett.com  
Web: www.garrett.com

**GARRETT**  
METAL DETECTORS

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METAL DETECTORS

*User  
Manual*

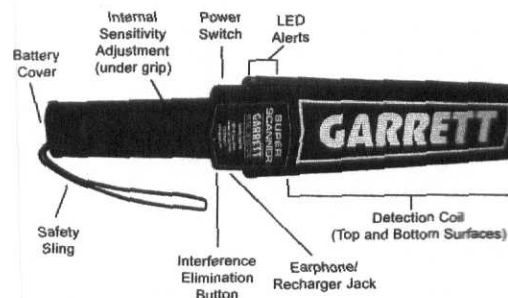
## SuperScanner®



### GARRETT SUPERSCANNER

Congratulations on selecting the Garrett SuperScanner. The Garrett SuperScanner is an active hand-held metal detector designed to find metal (ferrous, nonferrous and stainless steel) weapons, contraband or other objects carried on a person or concealed by a nonmetal object. When used properly, it is extremely effective in detecting even the smallest objects.

### COMPONENTS



## COMPONENTS / FUNCTION

**Power Switch** - To turn the detector on, set the switch to the ON position. A brief audio and Red LED alarm will occur, indicating the unit is on. The SuperScanner is immediately ready for use.

**Audio Alert** - The speaker provides a clear audible sound whenever metal is detected. When using the optional earphone accessory, the audio alert will only sound through the earphone.

**LED Array** - When the Power Switch is turned on, the Green Light will remain illuminated, as long as the unit is on. When approximately 10% of battery life remains, the Amber Alert Light will turn on, indicating the battery needs to be replaced or recharged. Approximately one (1) hour of operational time remains when the amber LED is initially activated. Whenever metal is detected the Red LED Light will illuminate.

**Interference Elimination Button** - The detector is factory set for maximum sensitivity to detect the smallest of items. This high level of

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sensitivity may produce alarms when approaching a floor containing rebar. Press and hold this button to decrease sensitivity to a level that does not respond to the rebar. Release button and detector returns to normal sensitivity.

**Earphone/Recharger Jack** - An earphone is available (see Accessories) for "silent" operation or for use in noisy environments. The rechargeable NiMH battery is also recharged through this jack. Do not attempt to recharge the conventional batteries. Attempting this will damage the detector. (See Accessories for Rechargeable Battery Kit.)

**Safety Sling** - Used to assist the operator in convenient handling of the SuperScanner.

**Battery Cover** - Remains securely in place at all times but can be easily opened for changing the battery with no tools required.

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## OPERATING INSTRUCTIONS

Turn the detector on by setting the Power Switch to the ON position. The Green Alert Light will illuminate and the Audio Alert will sound to indicate the unit has been turned ON. The Green Alert Light will remain on until the unit is turned OFF.

When the SuperScanner is operating, it will detect metal only while it is in motion. Move the instrument within approximately one inch from the person (object) being inspected. An audible alarm will occur and the Red Alert Light will illuminate whenever metal is detected. Operation is completely automatic. All conductive metals will be detected including ferrous, non-ferrous and stainless steel.

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## SPECIFICATIONS

**Model Number:** 1165180

**Audio Frequency:** 2 kHz

**Dimensions:** Length: 16.5" (42 cm)  
Width: 3.25" (8.3 cm)  
Thickness: 1.62" (4.13 cm)  
Weight: 17.6oz (499g)  
Voltage: 6.8 to 10 Vdc  
Current: 5 mA. typical

**Battery:** Standard 9V (Eveready No. 216 or equivalent) or 7.2V Nickel Metal Hydride (NiMH) (rechargeable)

**Environmental:**

**Operating Temperatures:** -35°F (-37°C) to 158°F (70°C)

**Humidity:** To 95% non condensing

**Environmental Protection:**

1EC 60529 classification IP54

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**Note:**

Do not affix metallic labels (or any material that might cause the detector to alarm) to the detection area of the SuperScanner. Doing so might cause an imbalance within the detection field and thereby reduce scanning effectiveness.

**SERVICE INFORMATION****Battery Replacement**

Slide back the battery cover (do not attempt to remove it), tilt the detector and battery will slip out. Replace with fresh battery. Because the battery cover will not slide back if the battery is inserted improperly, never force the cover. When the SuperScanner is to be stored more than 30 days, remove the battery.

**Internal Sensitivity Adjustment**

Some applications may require a sensitivity setting other than the nominal factory setting. This may be achieved by choosing an appropriate test

target and utilizing the Internal Sensitivity Adjustment as follows: Turn on the SuperScanner. Roll back the grip cover just below the nameplate. Insert a small flat blade screwdriver into the potentiometer located within the exposed hole. Rotate the potentiometer counterclockwise to decrease sensitivity, or rotate the potentiometer clockwise to increase sensitivity, until the desired detection of the test target is achieved.

An excessive sensitivity setting may result in unstable operation (chatter) and excessive detection of surrounding metal. Note: this sensitivity adjustment pot is set to the nominal center (12:00 o'clock) position at the Garrett factory.

**CAUTION:** Always verify that the SuperScanner is set to the desired sensitivity level by testing with appropriate targets anytime the sensitivity adjustment is changed.

**FACTORY SERVICE**

Pack the detector carefully and include full details concerning its problem as well as your name, address and telephone number.

Ship to: Garrett Metal Detectors

Service Department

1881 W. State St.

Garland, TX 75042 USA

Allow approximately one week for technicians to examine and repair your instrument.

**DETECTION PRINCIPLES  
AND CAPABILITIES**

The SuperScanner is an active hand-held metal detector with very high sensitivity to all metals including ferrous, non-ferrous and stainless steel. Detection and alarming occur when the instrument is passed in close proximity to metal objects.

Detection range is dependent upon the size and conductivity of the metal object. The larger the

object, the greater the detection distance.

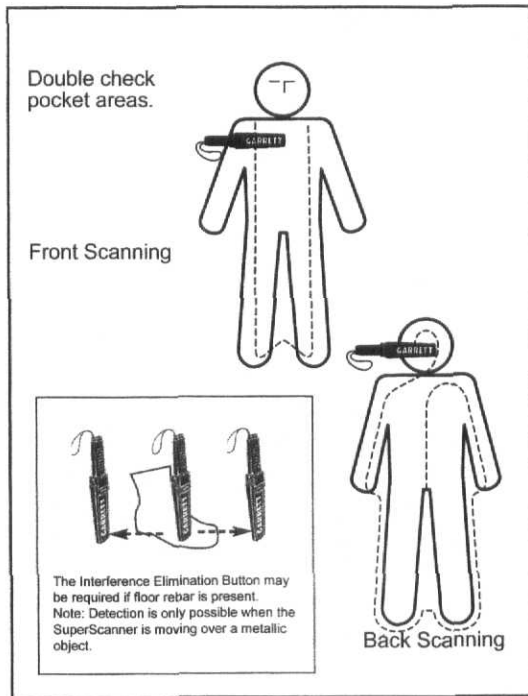
The SuperScanner is factory preset to nominal sensitivity with no operator adjustments required. This ensures that the detector will be used at the proper operating level established for the particular security need.

Should nearby, stationary metal objects (floor rebar, metal walls or cell bars) cause interference to the scanning process, an Interference Elimination Button is available to momentarily reduce sensitivity so as to ignore the interfering nearby metal and permit precise scanning of the individual or object being scanned.

When metal objects are encountered, an audible alarm and a red LED are activated. If desired, the audible alarm can be silenced by inserting the optional earphone.

Further convenient LEDs include green for "Power ON" status and amber for "Low Battery" indication.

## RECOMMENDED BODY SCANNING PROCEDURE



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## SAFETY NOTICE

Garrett Metal Detectors makes every effort to ensure that its products are safe for its users. Extensive research has produced no information that would indicate that use of this product has adverse effects on pregnancies or on the operation of electronic medical implants such as pacemakers. However, Garrett recognizes there may exist personal medical electronic devices that may be affected by this product and advises that any recommendations by electronic medical device manufacturers or physicians be followed.

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## ACCESSORIES

### Rechargeable Battery Kit:

Environmentally friendly battery. 7.2 Nickel metal Hydride (NiMH) battery kit for recharging from conventional electric current.

110V - Model #1610200

220V - Model #1610800

**Earphone** The earphone permits audio alarms of SuperScanner to only come through the earplug.  
Model #1600100

**Belt Loop** Police-quality leather sling provides means for carrying the SuperScanner on any belt up to 3" (7.5cm) width. Quick release access strap.  
Model #1600800

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### Belt Holder

Police-quality ballistic weave

Model #1611600

### Security Products DVD Video

Features the SuperScanner, SuperWand, THD and PD 6500i Walk-Through metal detector.

DVD - Model #1678600

Also available in Spanish (#1679100)

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