

GARRETT
METAL DETECTORS

*User
Manual*

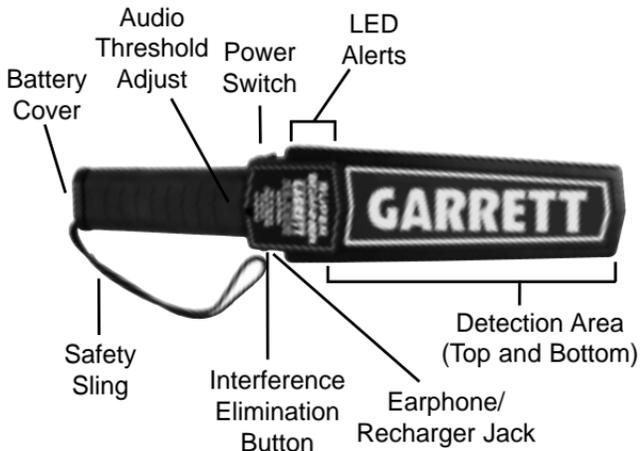
SuperScanner™



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 clearly audible sound whenever metal is detected. When using the optional earphone accessory, the audio alert will only sound through the earphone.

The Audio Alert also indicates battery condition. When approximately 10% of battery life remains, the sound when metal is detected changes from a warble to a steady tone.

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 Alert Light will illuminate.

Interference Elimination Button—The detector is factory set for maximum sensitivity to

OPERATING INSTRUCTIONS

detect the smallest of items. This high level of 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 Ni-MH battery is also recharged through this jack.

Do not attempt to recharge conventional batteries. Attempting this will damage the detector. (See Accessories for Rechargeable Battery Kit.)

Audio Threshold Adjust—Adjustment is used to decrease sensitivity to surrounding material. Adjustments should only be made by supervisor who is authorized to set sensitivity levels.

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.

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 two inches from the person (object) being inspected. Sound will increase sharply and the Red Alert Light will illuminate whenever metal is detected adjacent to the Scan Area. Operation is completely automatic. All conductive metals will be detected, including ferrous, non-ferrous and stainless steel.

SPECIFICATIONS

Model Number: 1165180

Operating Frequency: 93 kHz

Audio Frequency: 2 kHz, Warbled

Dimensions:

Length: 16.5" (42 cm.)

Width: 3.25" (8.3 cm.)

Thickness: 1.62" (4.13 cm.)

Weight: 17.6 oz. (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 (Ni-MH) (rechargeable)

Environmental:

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

Humidity: to 95% noncondensing

Environmental Protection: 1EC
60529 Classification IP54

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 the 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 battery.

Threshold Adjustment—Turn on the Super Scanner. Roll back the grip cover just below the nameplate. Insert a small flat blade screwdriver in the exposed hole and turn slightly to adjust. Sound should be barely silent when the detector is turned on but not detecting metal.

Maximum sensitivity is achieved when threshold is set just below audible level. A decrease in sensitivity can be achieved by further rotation.

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

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

Ship to: Service Department
Garrett Metal Detectors
1881 West State Street
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, nonferrous and stainless steel. Detection and alarming takes place 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 maximum 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 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.

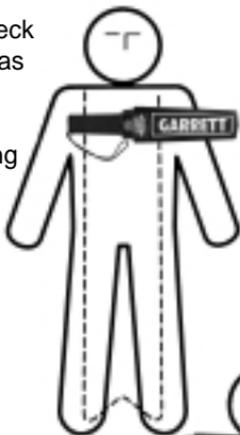
When metal objects are encountered, a sharp audible signal and a red LED are activated. If desired, the audible signal can be silenced by inserting the optional earphone.

Further convenient LED's include green for "power on" status and amber for "low battery" indication.

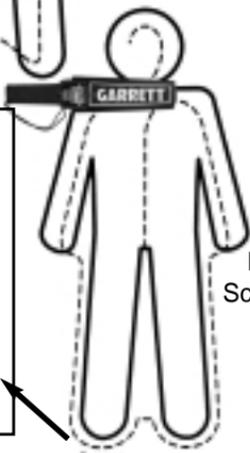
RECOMMENDED BODY SCANNING PROCEDURE

Double Check
Pocket Areas

Front Scanning



Back
Scanning



Interference Elimination Button may be required if floor rebar is present.
Note: Detection is only possible when SuperScanner is moving over a metallic object.

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 recommendations by electronic medical device manufacturers or physicians should be followed.

ACCESSORIES

Rechargeable Battery Kit: New environmentally friendly battery. 7.2 Nickel Metal Hydride (Ni-MH) battery with kit for recharging from conventional electric current. **110V:** Model #1610200
220V: Model #1610800

Earphone: Permits audio alarms of Super Scanner 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" (7.5 cm.) width. Quick release access strap. Model #1600800

Belt Holder: Police-quality ballistic weave.
Model #1611600

SuperScanner Video: In addition to this User Manual, a Garrett instructional video and DVD are available detailing SuperScanner features, controls and operating tips on effective scanning.
VHS: Model #1678100
PAL: Model #1678170
DVD: Model #1678180

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