

1 YEAR LIMITED WARRANTY

Metal Detector

WINBEST® by BARSKA®, as manufacturer, warrants this new product to be free of original defects in materials and/or workmanship for the length of time specified by this warranty. This warranty does not include damage caused by abuse, improper handling, installation, maintenance, normal wear-and-tear, unauthorized repairs or modifications and tampering in anyway.

This warranty is limited to the original purchaser and is not transferable. This warranty applies only to products purchased in the United States of America, excludes the Hawaiian Island and all U.S. territories in the Caribbean, Alaska and the Pacific

In the event of a defect within 30 days, the consumer must return the defective unit to the WINBEST® by BARSKA® dealer (the place of purchase) at his/her own expense.

Beyond 30 days, WINBEST® by BARSKA® products should be sent to the following address for warranty repairs. Products must be packed carefully and sturdily to prevent damage in transit, and returned freight prepaid to:

WINBEST® by BARSKA®
855 Towne Center Drive
Pomona, CA 91767

For additional and updated information
please visit www.barska.com

Please email info@barska.com or call 1.909.445.8168 for Return Merchandise Number (RMA#) before any returns.

NOTE: All merchandise received without a valid RMA# will be returned to shipper at his/her own expense.

Please include all of the following when returning WINBEST® by BARSKA® products for service and/or replacement:

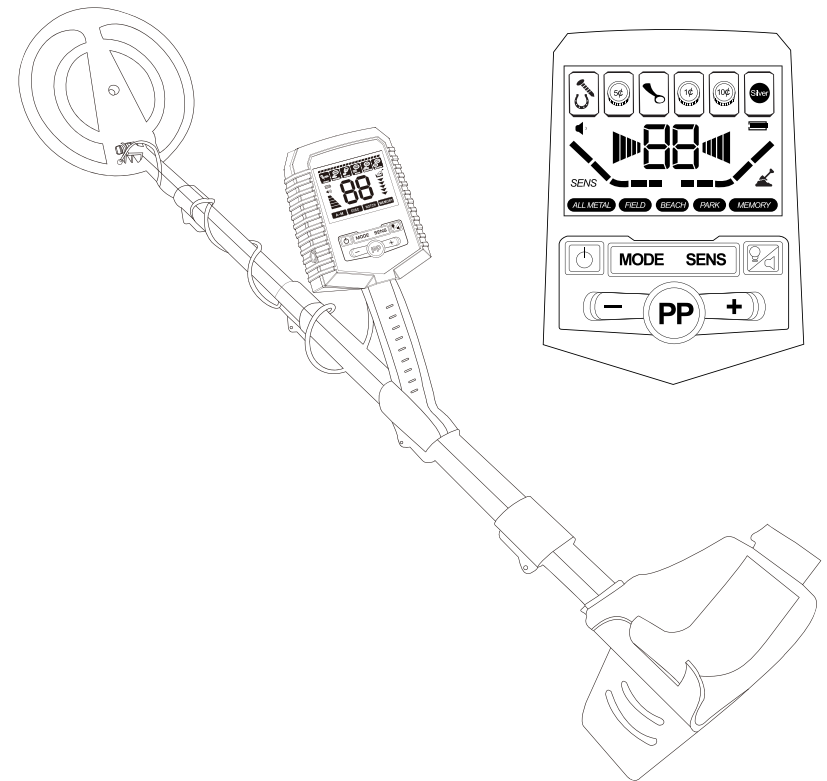
1. Please write your complete details (Name, Address, Telephone #, E-mail address, RMA#, etc.)
 2. Purchase receipt or Proof of Purchase. (Original/Copy)
 3. A brief explanation of the defect
 4. A Check/Money Order of \$40.00 to cover inspection, shipping and handling
- *Please allow 6-8 weeks for delivery

This product will either be replaced or repaired at the discretion of the warrantor. If it's a discontinued item, we will replace the product with an equivalent product. Should the repair not be covered by this warranty, an estimate will be sent for your approval. Non-warranty repairs or refurbishing are always provided at a reasonable cost.

WINBEST® by BARSKA® shall not be liable for any consequential, incidental and/or contingent damages whatsoever. We will not pay shipping, insurance or transportation charges from you to us, or any import fees, duties and or taxes. This warranty supersedes all previous Winbest® by BARSKA warranties.



**Sharp-200 Edition
Metal Detector**



Please read the manual before using the detector.

Thanks for choosing our BE13962 metal detector. With this metal detector, you can hunt for coins, relics, jewelry, gold, and silver just about anywhere. The detector comes with high sensitivity and strong ability of discrimination.

Features

LCD Display

Shows the probable type of metal, the depth of the target, the level of SENS, VOL and battery condition. It also has digital display for target ID.

Three Tone Audio Discrimination

Sounds three distinctive tones (high, medium and low) for different types of metal.

Seven Controls

POWER	To turn on or turn off the power.
BACKLIGHT/VOLUME	Short press for adjusting the volume level. Press it for about 2 seconds to turn on or turn off the backlight.
MODE	To select the desired operation mode. There are five modes to be selected from MODE indicator on the LCD.
INCREASE (+)	To increase the level of sensitivity.
DECREASE (-)	To decrease the level of sensitivity.
SENS	To adjust the level of sensitivity working with “+” or “-”.
PP	Pinpoints the location of the target accurately.

Headphone Jack

Lets you connect headphones of 3.5mm and operate without trouble.

240mm Waterproof Search coil

Lets you use the detector even if you must put it under shallow water.

Adjustable Shaft

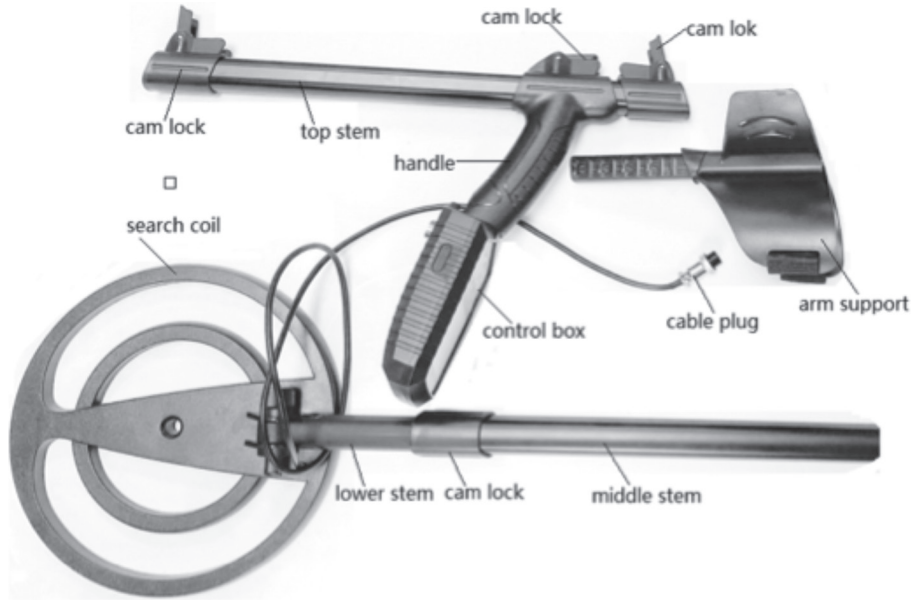
Lets you adjust the length of shaft for comfortable use.

Power

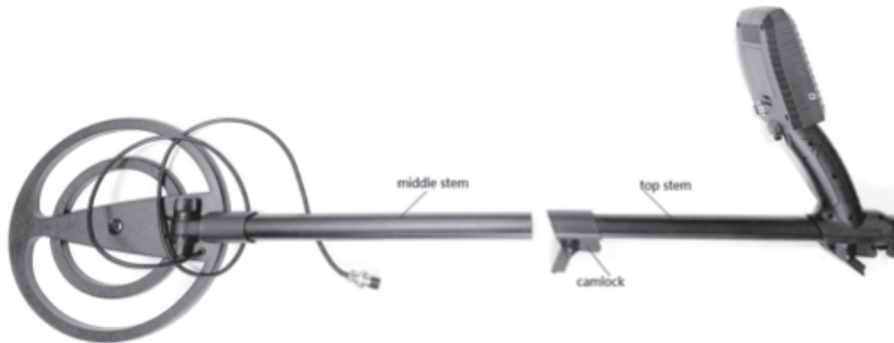
The detector is powered by two 9V alkaline batteries.

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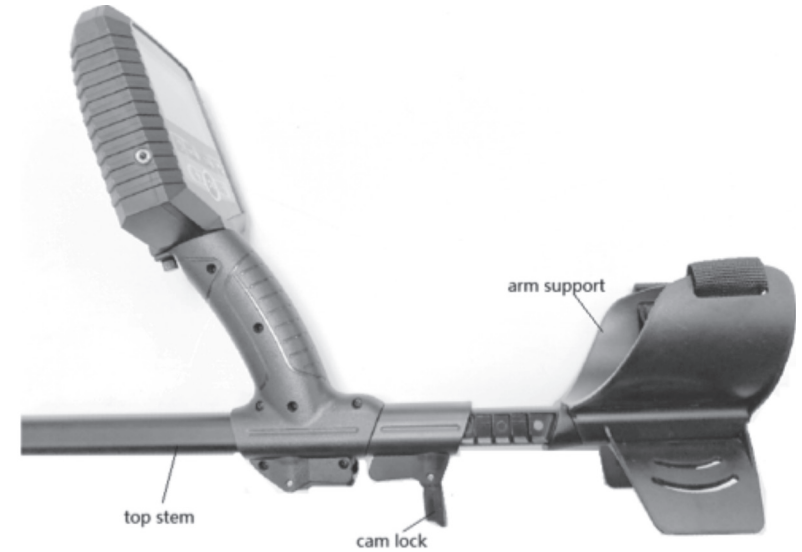
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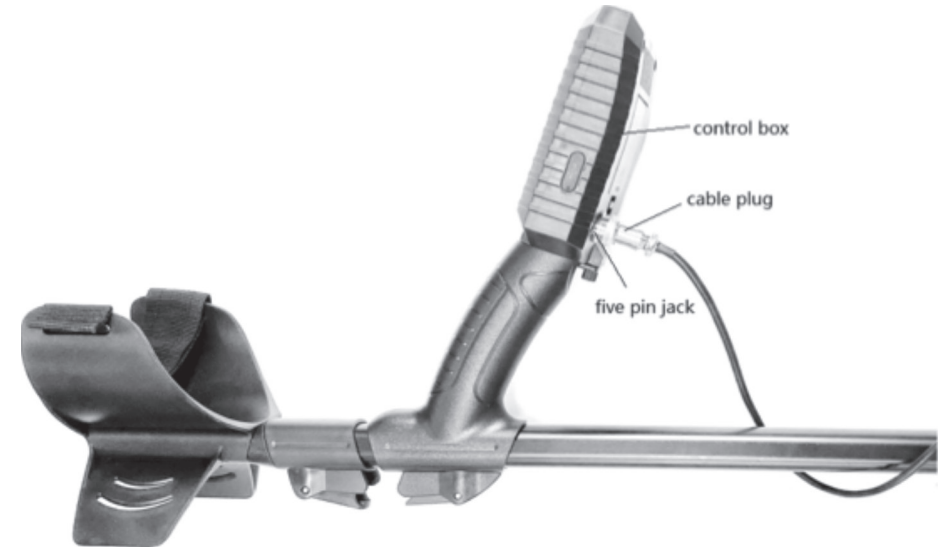
1. Release the cam lock on the lower end of the top stem and insert the middle stem into the top stem. Then tighten the lock.



2. Insert the arm support into the top end of the top stem by releasing the cam lock. Then tighten the lock.



3. Wind the search coil cable around the stem. Insert the search coil's cable plug into the fivepin jack at the back of the control box and tighten the nut.



4. Release the cam lock on the lower stem. Shorten or lengthen the stem. Then tighten the lock. You can adjust the stem to a length that you feel comfortable when you stand upright with the detector in your hand, and the search coil is level with the ground with your arm relaxed at your side.

5. Release the cam lock at the bottom of the handle and move the handle forwards or backwards for comfortable use. Then tighten the lock.

Caution:

- Do not over-tighten the search coil or use tools such as pliers to tighten it.
- The search coil's cable plug fits into the connector only in one way. Do not force the plug and do not pull on the cable or you could damage it.

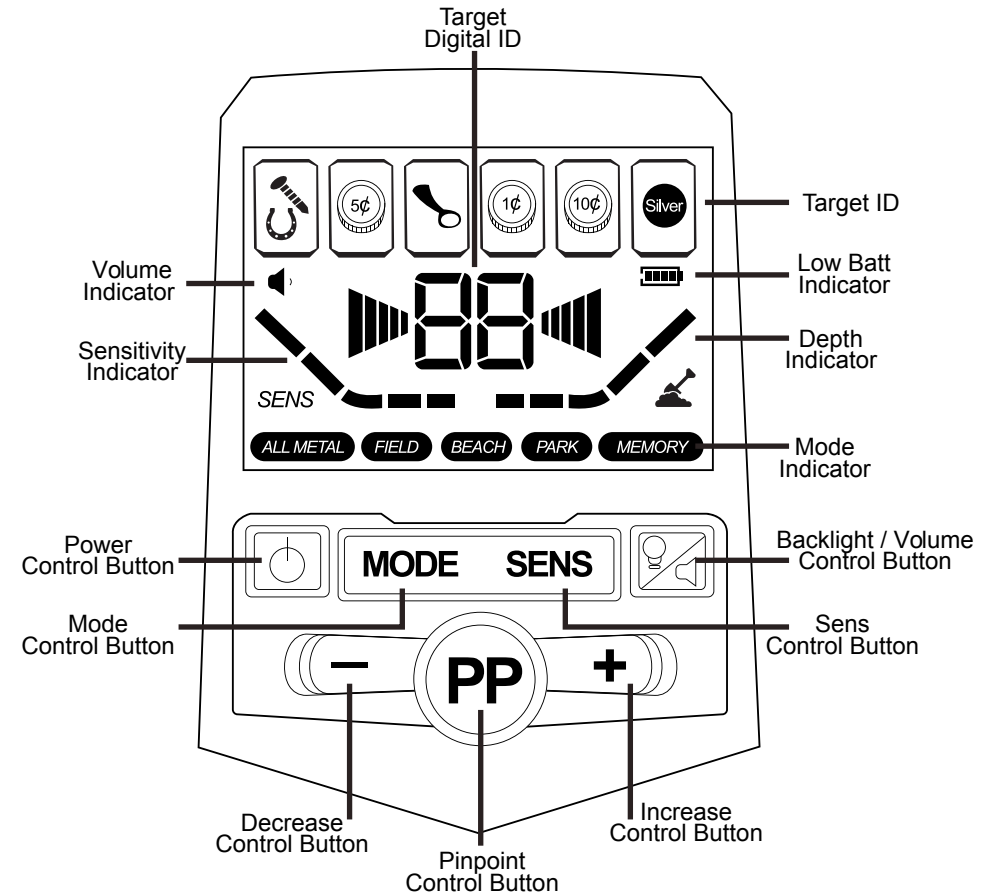
Installing The Batteries

1. Turn off the power before installing the batteries.
2. Take the battery cover off.
3. Place two 9V alkaline batteries into the battery compartment matching the polarity symbols (+ and -) marked inside.

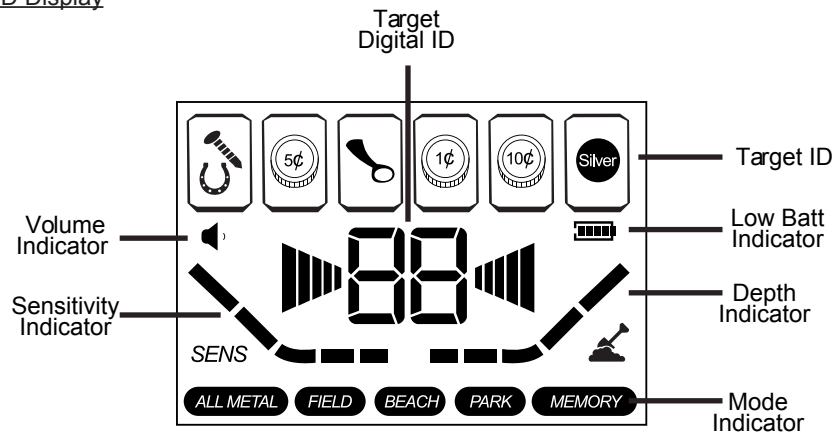
Using Headphones

1. It is recommended to choose the headphones with volume control.
2. Insert the headphones' 3.5mm plug into the headphone jack at the left side of the control box. At this time the internal speaker disconnects. Control Panel

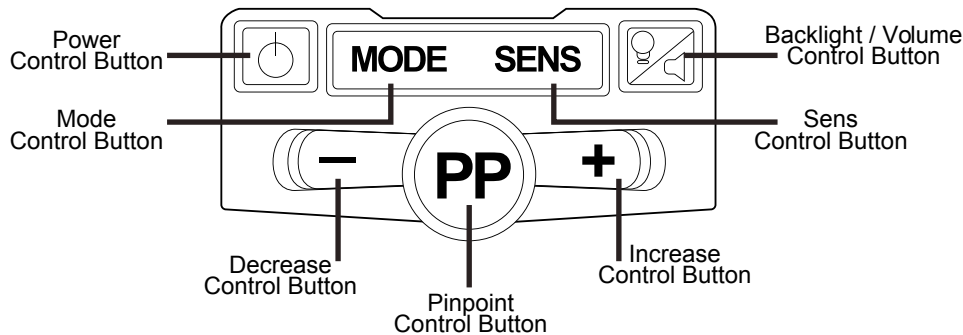
Control Panel



LCD Display



Control Buttons



POWER	Press the button to power on the detector. Press it again to power off the detector. Note: The detector will memorize the current settings before turning off the power.
MODE	Press MODE to make it active and to select desired search mode. There are five modes to be selected from MODE indicator on the LCD.
SENS	Press SENS to adjust the sensitivity. The level will be displayed on the LCD.
BACKLIGHT/VOLUME	Shortly press the button to adjust the volume level. The level will be displayed on the LCD. Press it for about 2 seconds to turn on or turn off the backlight.
INCREASE (+)	Press it to increase the level of sensitivity.

DECREASE (-)	Press it to decrease the level of sensitivity.
PP	Press it to find the precise target point at any time. Search coil motion is not required; a motionless search coil over a metal target will induce sound.

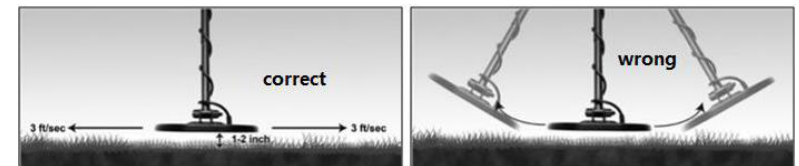
Search Modes

The detector includes five search modes: ALL METAL, FIELD, BEACH, PARK, MEMORY. Select the mode that suits the targets you hope to find.

ALL METAL Mode	This mode is designed to detect all types of metal.
FIELD Mode	It is recommended for coin and relic hunting in pasture and cropped/plowed fields.
BEACH Mode	This mode is optimized for use on dry or wet beach sand as well as for shallow water use. It rejects iron automatically.
PARK Mode	PARK mode is designed for coin and jewelry hunting in urban areas and parks where there are aluminium foil, pull-tabs, bottle caps present.
MEMORY	The MEMORY mode is designed to detect the only memorized metal target.

Operation

Hold the search coil level to the ground about 1~2 inches above the surface, slowly move the search coil over the area where you placed the sample, sweeping the search coil in a side-to-side motion.



1. Never sweep the search coil as if it were a pendulum. Raising the search coil while sweeping or at the end of a sweep will cause false readings.
2. Sweep slowly, hurrying will cause you to miss targets.
3. It's better to sweep the search coil from side to side in an arc line of 3 inches motion and keep the search coil parallel with the ground.

If the detector detects the item It sounds a tone, and the target icon flashes. Meanwhile the LCD displays the digital value of target as well as the depth.

If the detector does not detect the item
 Make sure that the mode is set correctly for the type of metal you're searching for.
 And make sure that you're moving the search coil correctly.

Notes

The detector responds with a signal when it detects most valuable metal objects.
 If a signal does not repeat after you sweep the search coil over the target a few times, the target is probably junk metal.

False signals can be caused by trashy ground, electrical interference, or large irregular piece of junk metal.

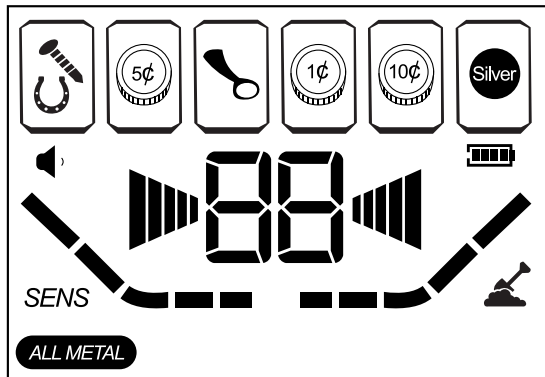
False signals are usually broken or non-repeatable.

Test Procedure

Turning on the detector > setting the mode > adjusting sensitivity > find a ground without metal > place the test meal > start testing

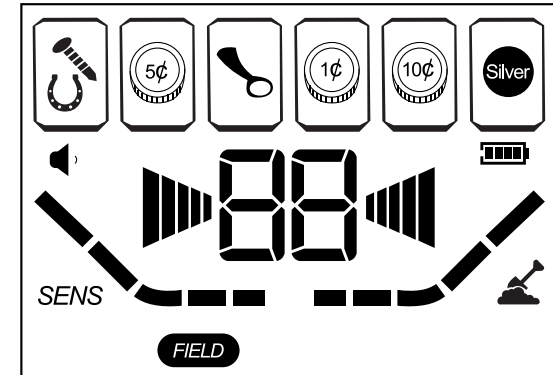
Setting The Search Mode

1. ALL METAL mode:



Press MODE to select ALL METAL mode. ALL METAL is displayed on the LCD. This means ALL METAL mode is selected. You can detect all kinds of metal.
 In ALL METAL mode, when the detector finds metal, it produces the same audio tone for all targets.

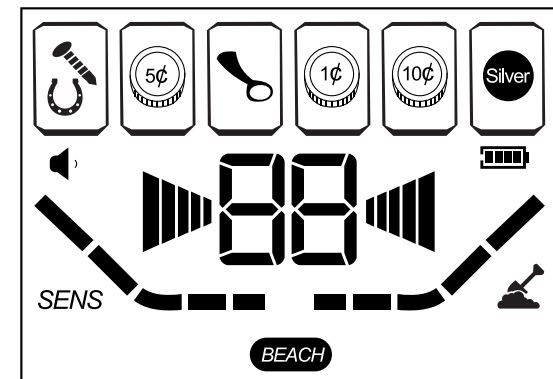
2. FIELD Mode



Press MODE to select FIELD mode. FIELD is displayed on the LCD. This means FIELD mode is selected.

FIELD mode is recommended for coin and relic hunting in pasture and cropped/plowed fields. These fields may contain ferrous trash and coke. To detect coins and relics more easily amongst these trash items.
 In FIELD mode, the detector produces low tone for iron/nickel (5 cent) and high tone for pull tab(aluminium)/1cent(zinc)/10cent(copper)/25cent/50cent(silver).

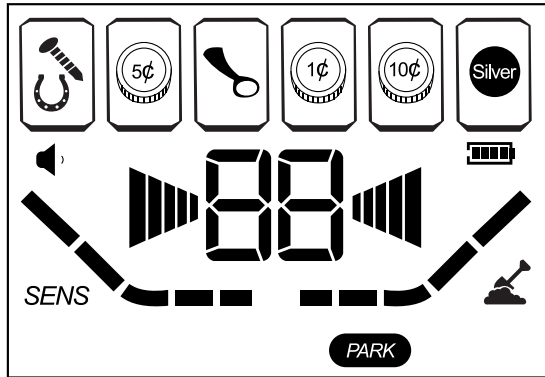
3. BEACH mode



Press MODE button to select BEACH. BEACH is displayed on the LCD. This means BEACH mode is selected.

This mode is for hunting on salty or wet sand beach. It presents the ability to ignore ferrous metals or ground noise. In this mode, the detector produces low tone for nickel (5 cent), a medium tone for aluminium (pull tab) and zinc (1 cent), a high tone for copper (10 cent) and silver.

4. PARK Mode

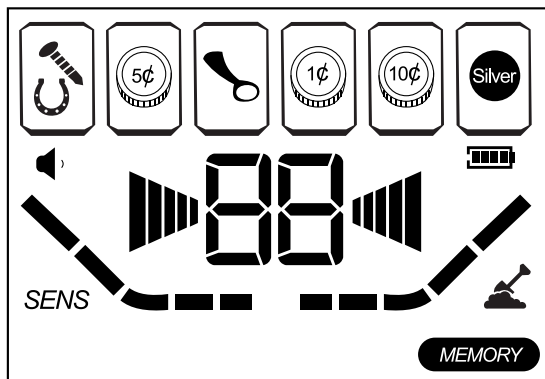


Press MODE button to select PARK. PARK is displayed on the LCD. This means PARK mode is selected.

This mode is designed for coin and jewelry hunting in urban areas and parks where there are aluminium foil, pull-tabs, bottle caps present.

In this mode, the detector produces a low tone for ferrous and nickel (5 cent), a medium tone for aluminium (pull tab) and zinc (1 cent), a high tone for copper (10 cent) and silver.

5. MEMORY Mode



Press MODE to select MEMORY. MEMORY is displayed on LCD. This means MEMORY mode is selected.

This mode is designed to detect the only memorized metal target. For example, if you want to find 1cent coin, sweep a sample of 1cent over the search coil. The detector will memorize the target. LCD only displays the memorized target icon and other target icons will be removed. In this case the detector will only detect 1cent coin and will have no response to other metal targets.

Adjusting Sensitivity


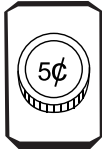

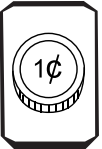
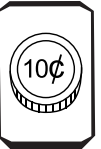

Press SENS button, the sensitivity indicator flashes. Then press "+" or "-" to set the desired sensitivity level. The level will be displayed on the LCD.

Note

Cell phones, cell phone towers, etc... all produce interference signals and will cause the detector to beep when no metal is present, and sometimes to beep erratically.

If the detector beeps erratically or beeps when there are no metal objects being detected, reduce the sensitivity.

Target Indications

Target	Iron	5 Cent Nickel Jewelry	Pull Tab Jewelry	1 Cent / zinc S-caps Jewelry	10 Cent Copper Coin	25 Cent Silver coin
ID Display	 (flash)	 (flash)	 (flash)	 (flash)	 (flash)	 (flash)
Digital Value	0-40	41-55	56-65	66-75	76-85	89-99

Note

There is a wide variety of metals and no target can be identified for certain until unearthed. This table is for general reference only.

Using Backlight

In dark area, you can use BACKLIGHT for better searching. Press BACKLIGHT button for about 2 seconds to turn on the backlight. Long press it again to turn the light off.

Note

As the light consumes more power, it's better to turn off the backlight in normal environment.

PP (PINPOINT)

Pinpoint is used to find the exact location of a target which was previously located and identified using the selected Mode. As PP mode does not require motion over the target, the user can move the coil more slowly and then narrow the detection field when near the target.

How to Pinpoint

Position the search coil an inch or two (2.5-5cm) above the ground, and to the side of the target. Then press PP. "PP" on the LCD flashes. When the LCD displays steady "PP", you can start to move the search coil slowly across the target, and the sound will communicate the target's location. As you sweep from side to side, and hear no sound at the ends of the sweep, the target is located in the middle of that zone, where the sound is loudest and the greatest number of segments is at the left and right of "PP". If the sound is loud over a wide area, the buried object is large. Use Pinpoint to trace an outline of such large objects.

Narrow It Down

To further narrow the field of detection, position the search coil near the center of the response pattern (but not at the exact center), then press PP again. Now you will only hear a response when the search coil is right over the top of the target. Repeat this procedure to narrow the zone even further.

Each time you repeat the procedure, the field of detection will narrow further.

To exit the PP mode, press PP again.

Factors That Affect The Detecting

It's difficult to have an accurate detecting result. Sometimes the detecting may be restricted by some factors:

- The angle of the target buried in the soil.
- The depth of the target.
- The level of oxidization of the target.
- The size of the target.
- Electro-magnetic and electrical interference surrounding the target.

In area of highly mineralized ground, or fertile ground, or wet sand, the detector will sound even if there is no metal. In this case, you can lower the sensitivity.

Metallic digging tools will also affect the detection if they are near the search coil. It's better to place them a little far away.

Troubleshooting Guide

Problem	Reason	Suggestion
The detector displays or sounds without detecting any target	The detector may receive interference and false signals from broadcast antenna and other electronic lines	Change the searching place
	The humidity of environment may be extremely high	Wait for some time to check again
The detector sounds false signals.	Sensitivity set too high/ environmental electromagnetic interference	Reduce the sensitivity
	Sweeping the detector's search coil too fast or at a wrong angle	Sweep the search coil more slowly and hold the detector correctly
	Using 2 detectors in close proximity	Keep two detectors at least 6 meters (20') apart
The detector does not detect anything	Sensitivity set too low	Increase the sensitivity
	Target range is eliminated	Recover all targets ranges
	Search coil is not parallel to the ground	Adjust the search coil angle to be parallel to the ground
The LCD displays multiple target categories or emits several sounds at once	There may be over one kind of metal targets	Reduce the sensitivity to eliminate the detection of the deeper target
	The detector can't identify the target. Sometimes, oxidized metal also causes the excursion of target arrow and tone.	Sweep the search coil with different angles
The detector does not function.	Five-pin cable not connected well	Re-plug it properly
	Dead battery	Change the battery