

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 and Canada.

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 1.888.666.6769 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 \$35.00 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.



**Pursuit-300 Edition
Metal Detector**



Please read before using the detector

With your metal detector, you can hunt for coins, relics, jewellery, gold, and silver just about anywhere. The detector comes with high sensitivity and strong ability of discrimination. It is versatile and easy to use.

FEATURES

LCD Display

Show the probable type of metal, the depth of the target, range of DISC & NOTCH, the level of SENS, and battery condition. It also has numeric display for target.

Three-Tone Audio Discrimination

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

Notch

Ignore junk metal and finds valuable items by setting the notch range.

DISC

Discriminate the unwanted target by setting the DISC numeric range. The detector will not detect the target beyond the numeric setting.

LIGHT

Used in dark area.

PP Pinpoint

Pinpoint the location of the target accurately.

Super Slow Sweep Identification

With a very slow sweep of the search coil to discriminate different types of metal.

Headphone Jack

Let you connect headphones (not supplied) of 3.5mm and operate without trouble.

250mm Waterproof Search coil

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

Adjustable Stem

Let you adjust the length of stem for comfortable use.

Power

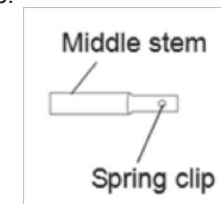
Requires two 9-volt alkaline batteries to use (not included).

ASSEMBLY

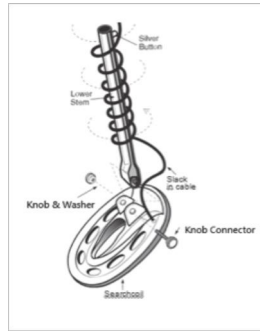
Assembling the detector is easy and requires no special tools. Just follow these steps.



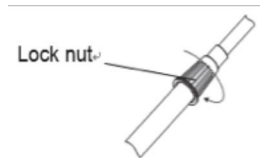
1. Depress the spring clip in the middle stem and insert it into the top stem aligning the clip with the hole.



2. Unscrew the knobs on the lower stem and remove the knob, washer and the connector. Insert the lower stem and align the holes on the search coil bracket and the stem. Push the connector through the holes and washer, then replace and tighten the knob.



3. Loosen the middle stem's lock nut in the direction of the arrow. Then, insert the lower stem into the middle stem. Turn the stem's lock nut in the reverse direction of the arrow to lock it in place.



4. Unscrew the bolt of the control box and hitch the control box to the top stem. Then, insert the bolt into the assembly hole on top stem and tighten it with the box.



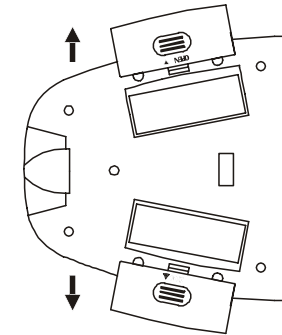
5. Wind the cable around the stem. Insert the search coil cable plug into the five pin jack at the bottom of control box's housing.



Caution:

- The search coil cable plug fits into the connector only one way.
- DO NOT force the plug or you could damage it.
- DO NOT disassemble the stem lock nut.

INSTALLING THE BATTERIES



1. Turn off the power before installing the batteries.
2. Slide the left and right battery covers off in the direction of the arrow.
3. Place a 9V battery into the battery compartment matching the polarity symbols (+ and -) marked inside.

Warning

- Dispose of old batteries promptly and properly. Never bury or burn them.

Cautions

- Use only fresh alkaline batteries of required size.
- Do not mix the old and new batteries or different types of batteries.
- If you don't plan to use the unit for a week or more time, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.
- Change the batteries if the battery indicator on the LCD lights.

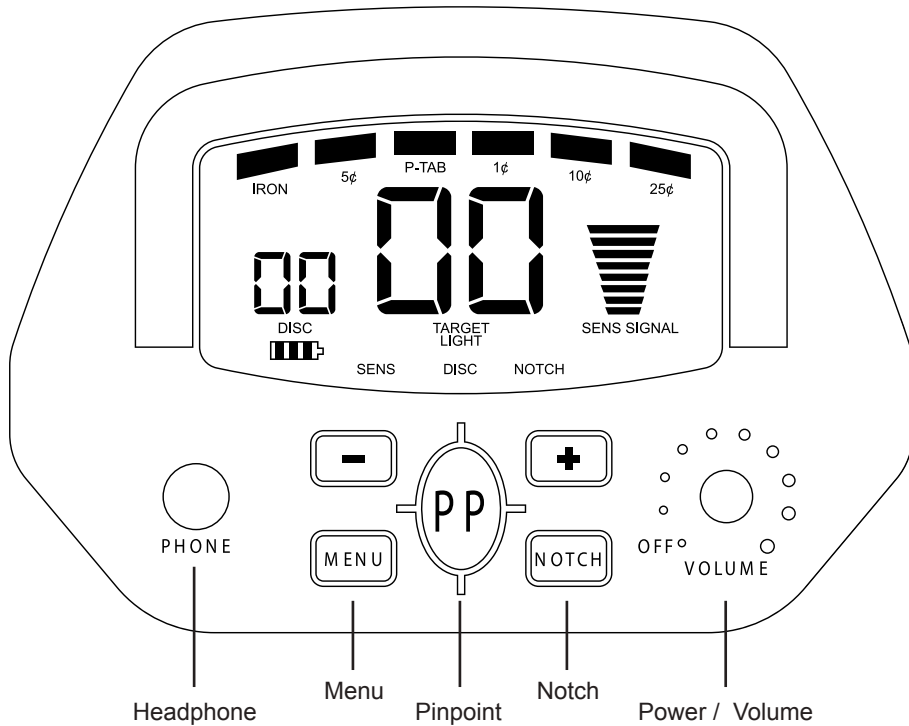
USING HEADPHONES

1. It is recommended to choose the headphones with volume control.
2. Insert the headphones' 3.5mm plug into the PHONE jack. At this time, the internal speaker disconnects.

Listening Safely

- To protect your hearing, set the volume to the lowest setting.
- Before you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Extended high volume listening can lead to permanent hearing loss.
- Do not wear headphones while operating your detector near high-traffic areas. Pay attention to traffic safety.

CONTROL PANEL



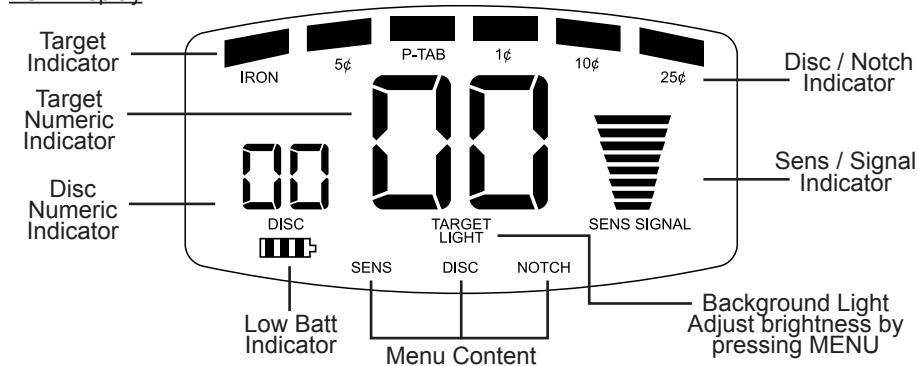
VOLUME/POWER Switch

Rotate volume control away from OFF to power on the detector.

PHONE Jack

You can insert the headphones' plug of 3.5mm into the PHONE jack and operate without trouble. At this time the internal speaker is disconnected.

LCD Display



Control Buttons

MENU

Press MENU, LCD will display LIGHT, SENS, DISC, NOTCH. One of the displayed items will flash. If no button is pressed in about 5 seconds, the flashing item will be selected.

SENS

Press MENU to select SENS and wait for about 5 seconds until the display stops flashing. Then, press + or – to adjust the level of sensitivity. The level will be displayed on the LCD.

DISC

Discriminates the unwanted target by setting the numeric range. Press MENU to select DISC and wait until flash stops. Then, press + or – to adjust the numeric range (00-80) of discrimination. The number will be displayed on the LCD.
Note: 25¢ cannot be ignore, it is made by valuable material.

NOTCH

Eliminates the target you don't want. Press MENU to select NOTCH. Then, press + or – to select the target to be notched. The cursor above the selected target will flash. Press NOTCH again, and the target name below the cursor will disappear. If you want to un-NOTCH, press NOTCH again.

PP

Pinpoints the location of the target accurately.

LIGHT

Press MENU to select LIGHT. Then, press + or – to adjust the level (0-9) of LIGHT. The level will be displayed on the LCD.

Note: As the backlight consumes more power, it's better to turn off it in light places.

OPERATION

1. TURNING ON THE DETECTOR

Rotate volume control away from OFF to power on the detector. After about 2 seconds, the detector enters into stand-by state. At this time the factory default mode is DISC. LCD displays DISC of 00 and SENS of 6 bars.

2. TESTING AND USING THE DETECTOR

To learn how the detector reacts to different metals, you should test it before you use it at first time. You can test the detector indoors and outdoors.

INDOOR TESTING AND USE



1. Position the detector
 - a. Place the detector on a table with the search coil hanging over the edge.
 - b. Keep the search coil away from walls, floors and metal objects.
 - c. Remove watches, rings, jewelry and other metal items you wear.
 - d. Adjust the search coil, so the flat part faces towards the ceiling.

Note:

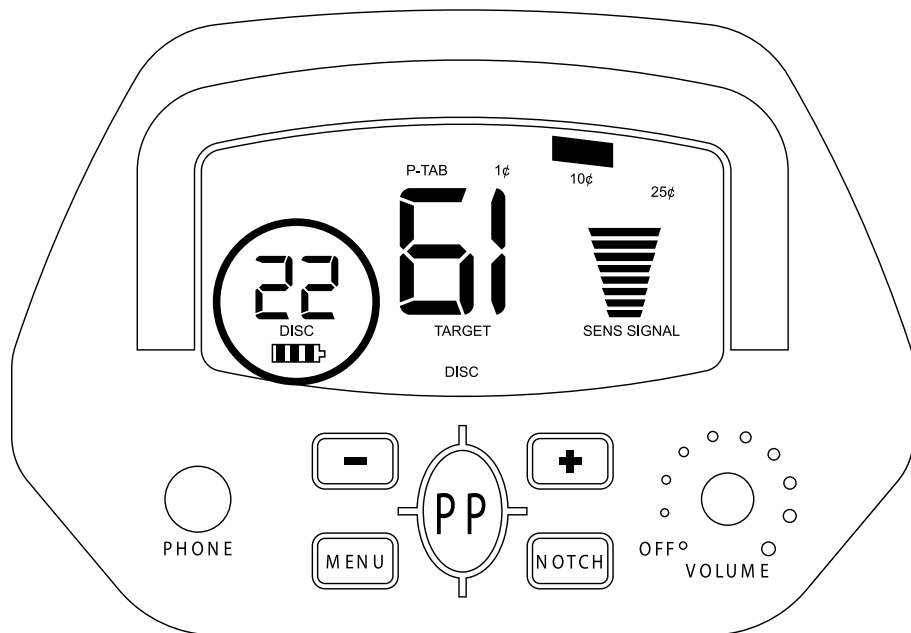
Never test the detector on a floor inside of a building. Most buildings have metal wires in the floor which might interfere with the objects you're testing or mask the signal completely.

- e. Turn the VOLUME switch clockwise to power on the metal detector.

2. Set up operating modes

1) Demonstrate DISCRIMINATION Feature:

- a. Press DISC and then press + or - to set the DISC numeric value.



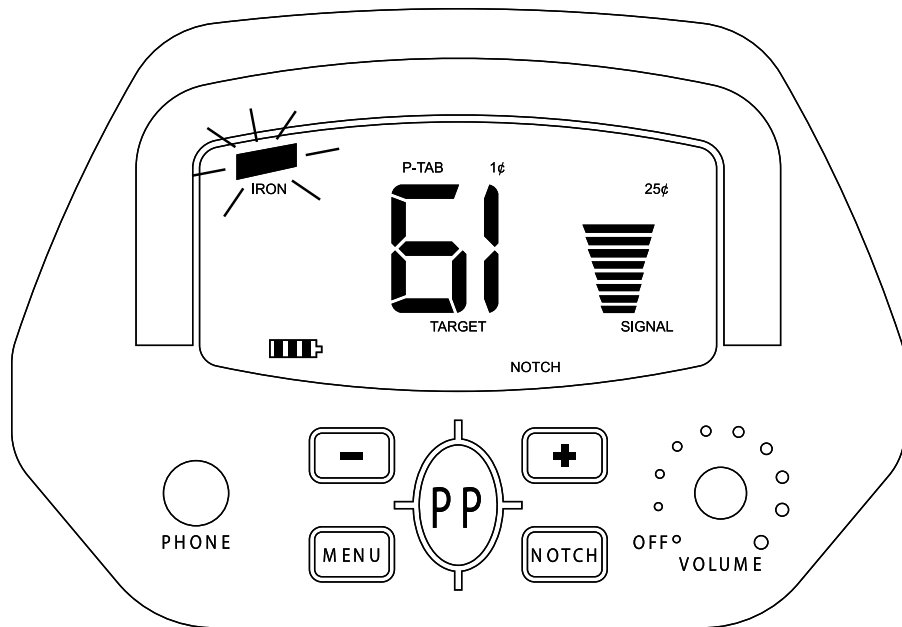
- b. If the value of DISC is set to 00, the detector can detect all metals. In this case, when the detector finds a target, the cursor above the "Target Indicator" lights.
- c. If you want to find one of the "Target Indicator" listed on the LCD, you can set the relative numeric range of DISC by pressing DISC then + or -. For example, the numeric range for 5¢ is 11-20, you can simply press DISC, then set the DISC number to 11 by pressing + or -. If the detector finds a coin of 5¢, the cursor above 5¢ will light.
- d. You can also ignore the unwanted target by setting the DISC numeric value. If the value is beyond the relative numeric range of the target, the target name will not be displayed on the LCD. Meanwhile, the detector will not have reaction to the target. For example, the numeric range for IRON is 0-10. If you set the DISC numeric value to 11, IRON will not be displayed on LCD. Meanwhile the detector will have no reaction to IRON during the detection. You can ignore the unwanted target on LCD one by one from left to right by setting the relative DISC numeric value.

Note:

- It is recommended to select the lower or medium value of the numeric range. If you select a high value, you might miss the targets below the selected value.
- If you don't press the buttons (DISC/+/-) within about 2 seconds, the detector will enter the standby mode.

2) Demonstrate NOTCH Feature

- a. Press NOTCH and then press + or - to select the Target Indicator to be notched. The cursor above the selected target will flash. Press NOTCH again and the selected target ID will disappear after the cursor flashes around 5 seconds.



It means that this target will be notched during the detection, and the detector will have no reaction to the notched target.

- b. If you want to add the notched target back, press NOTCH first and then Press + or – to move the cursor to the target ID you want to add back. Press NOTCH again and the target ID should be added back. If NOTCH is not pressed within about 3 seconds, the detector will enter standby mode.

Note:

- It is not recommended to notch all targets listed on the LCD screen; notching all settings will filter out all metals, so you will not be detecting anything.
- If you want to select the setting of DISC or SENS after pressing NOTCH, you have to wait for about 3 seconds until the cursor above the target has been notched out.

3. Set up sensitivity

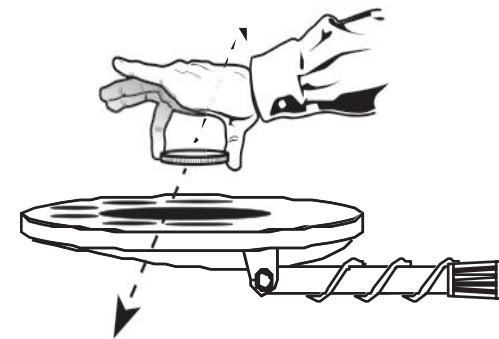
Press MENU to select SENS, then press + or – to set the sensitivity.

Note: if you don't press the buttons (SENS/+/-) within about 2 seconds, the detector will enter the standby mode.

4. Test with samples

Slowly sweep a sample of the material you want the detector to find (such as a gold ring or a coin) 2-3 inches or more above the face of the search coil. When the

detector detects any metal target, it sounds a tone and the cursor above the target name will light. Also, LCD displays the numeric value of target as well as the depth (signal strength) of it. Please note that the depth (signal strength) is only a reference, not the exact depth of the target.



Note

If you are using a coin, the detector will detect it more easily when you hold it with the flat side being parallel search coil. A sweep with the vertical side of coin over search coil might cause false indication and unstable display of target.

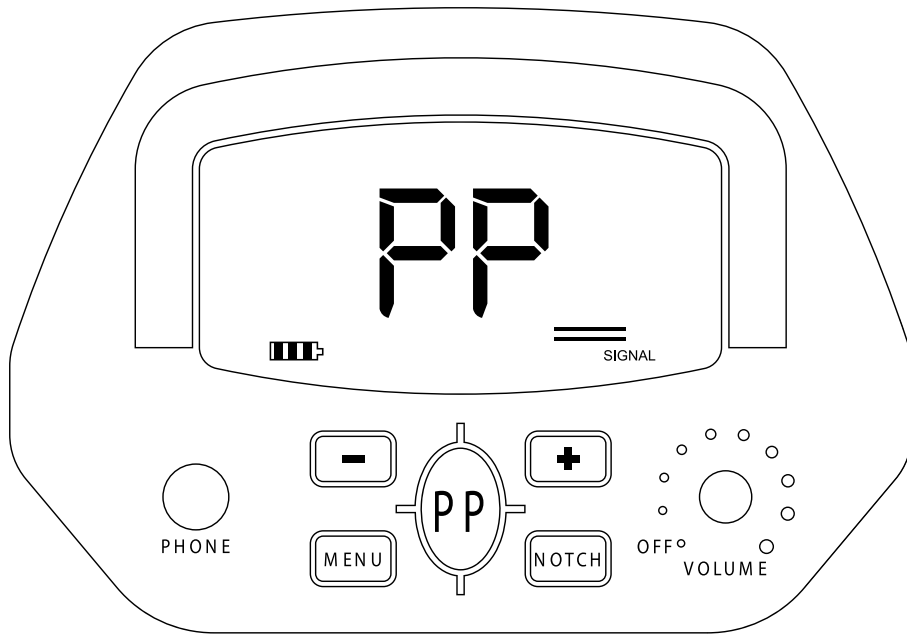
5. PP(PINPOINT)

After you find a metal object, you can use PP to pinpoint the target. Hold down PP button. Slowly move the search coil around the sound area until the detector sounds most loudly and the signal indicator on the LCD displays stronger signal. Then, release the button. Sweep the search coil again by keeping the same distance of search coil. The sound may disappear. It means that the detector is not close enough to the metal target. Hold down PP again and make the search coil closer to the sound area. Then, the detector should sound again.

Repeat the above steps until the detector displays the stronger signal where the location of the target is. Press MENU to quit the PP mode.

Note

- It's normal phenomena that LCD displays one or two signal bar and beep sound appears after holding down PP. This will not affect the operation. When you actually detect the metal objective, the detector will show stronger signal and sound becomes louder.



- To find the exact location of target, you need to practice more times.

TARGET INDICATIONS

Numeric Ranges Of Target

IRON	00-10
5¢	11-20
P-TAB	21-40
ZN(1¢)	41-60
10¢	61-75
25¢	76-99

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

Types Of Target

IRON	It indicates that the target is probably iron.
5¢	It indicates that the target is probably 5¢ or a nickel. Some small gold rings might register within this range.
P-TAB	It indicates that the target is probably a pull tab of an aluminum can. Some small gold rings might register within this range.
ZN, 1¢	It is indicated that the target is probably a type of metal of 1¢ or metal of zinc alloy. Some medium sized gold rings might register within this category.
10¢	It indicates that the target might be a 10¢. Some large rough gold items might register within this category.
25¢	It indicates that the target is probably 25¢ or a silver coin.

Tones

Low Tone	IRON, 5¢, same as for foil, bottle cap or nickels.
Medium Tone	P-TAB, ZN, 1¢ (aluminum pull tabs, zinc or copper items.)
High Tone	25¢, 10¢ same as for brass or silver items.

The detector comes with three tones for different types of metal and the built-in audio identification system sounds a unique tone for each of three metal categories. This makes it easier to identify the metal being detected.

Note:

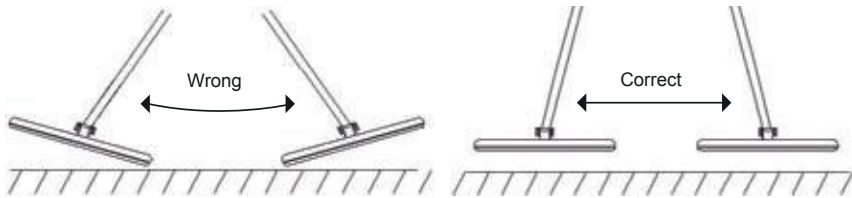
- When you set the detector to DISC or NOTCH mode, the detector sounds a medium or high tone when it detects highly oxidized iron.
- Depending on the purity, about 15 percent of gold rings cause the detector to sound a medium tone.

OUTDOOR TESTING AND USE

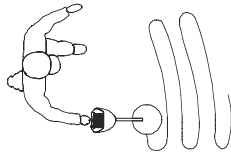
1. Turn the VOLUME switch clockwise to power on the metal detector.
2. Follow the steps of 2 described in section of "Indoor Testing and Use" to set the operating mode.
3. Find an area on the ground outside where there is no metal stuff like sprayer in the yard.
4. Place a metal sample you want the detector to find (such as a gold ring or a coin) on the ground.
Note: If you are using valuable metal such as gold to test the detector, mark the area where you place the item, to help you can find it later. Do not place it in tall grass or weeds.
5. Hold the search coil level to the ground about 1-2 inches above the surface and slowly move the search coil over the area where you placed the sample, sweeping the search coil in a side-to- side motion.

Search Coil Sweeping Hints

- 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.



- Sweep slowly. Hurrying will cause you miss targets.
- It is better you 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 target, it sounds a tone and the cursor above the target ID will light. Also, LCD displays the numeric range of target as well as the depth (signal strength).

If the detector does not detect the target, make sure that the mode is set correctly for the type of metal you are searching for. Also make sure that you are moving the search coil correctly.

Note:

- The detector responds with a signal when 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.

Adjusting SENSITIVITY

After you become familiar with how your detector works, it is important to adjust the sensitivity to get a good effect. Press the SENS button on the panel and press + or – to increase or decrease the level of sensitivity. The level will be displayed on the LCD.

Note:

In order to detect the target deeply buried, you can adjust the SENS to a high position. However, don't set the level of SENS to Max position. Otherwise, the detector will receive interference and false signal from broadcast antenna and other electronic wires. The detector will have unstable and irregular indications.

Using LIGHT

In dark area, you can use LIGHT for better searching. Press MENU to select LIGHT. Then, press + or – to adjust the level (0-9) of LIGHT. The level will be displayed on the LCD.

Note: As the light consumes more power, we suggest you setting the value to 0 in normal environment.

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 wet sand, the detector will sound even if there is no metal. In this case, you can lower the sensitivity or increase the DISC numeric value. At the meantime, enhance the distance between the search coil and the ground.

In area with trashy metal, you can set DISC numeric value to 50. In this case most nails and small pieces of iron will be eliminated. Metallic digging tools will also affect the detection if they are near the search coil. So it's better to place them a little bit far away.

TROUBLESHOOTING GUIDE

Problem	Reason	Suggestion
The detector sounds false signals.	The detector may receive interference and false signal from broadcast antenna and other electronic lines	<ul style="list-style-type: none"> - Change searching place - Wait for some time to check again
	The humidity of environment may be extremely high	
The detector sounds false signals.	Sensitivity set too high/ environmental electromagnetic interference	<ul style="list-style-type: none"> - Reduce SENSITIVITY - Sweep the search coil more slowly and hold the detector correctly - Keep two detectors at least 6 meters(20') apart
	Sweeping the detector's search coil too fast or at wrong angle	
	Using 2 detectors in close proximity	
The detector sounds false signals.	There may be over one kind of metal targets	<ul style="list-style-type: none"> - Reduce the sensitivity to eliminate the detection of the deeper target - Sweep the search coil with different angles - Re-plug it properly - Replace batteries
	The detector can't identify the target. Sometimes, oxidized metal also causes the excursion of target arrow and tone.	
	Five-pin cable not connected well	
	Dead battery	

CARE AND MAINTENANCE

- Handle the detector gently and carefully. Dropping it can damage circuit boards and can cause the detector to work improperly.
- Use the detector only in normal temperature environments. Temperature extremes can shorten the life of electronic devices, causing internal damage to the detector.
- Keep the detector away from dust and dirt, which can cause premature wear and tear of parts.
- Wipe the detector with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the detector.

CAUTION

- The search coil is water proof, and it can be completely under the fresh water or sea water. Please be careful to avoid the water enter into machine body. Sea water may erode the search coil. Please always use fresh water to clean the search coil after detection in sea water.
- Change or damage the inner components will cause the detector fault, and such fault is not within our warranty.