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. Change or damage the inner components will cause the detector fault, and such fault is not within our warranty.

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 service @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 amounts below to cover inspection, shipping and handling
   $25.00 - Metal Detector

*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.

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Pursuit Edition Metal Detector

LCD Display
Probable type of metal, depth of the target, operating mode and low battery indication

Three Tone Audio
Distinctive tones for different types of metal

Super Slow Sweep Identification
With a very slow sweep discriminate different metals

Notch Setting
Ignores junk metal

Headphone Jack
Connect headphones (not supplied)

Waterproof Search Coil
Use the detector in shallow water

Operates on two 9-volt alkaline batteries (not supplied)

CONTENTS

Notes Before Use

- This metal detector is a professional metal detector. As a sophisticated electronic device, the most difficult aspects in metal detecting have been preset.
- If you are new to using metal detectors, it is recommended to set the sensitivity to a low level in the event of false signals.
- Always begin at a low sensitivity level when using. After you have become familiar with the detector, you may try it at full sensitivity.
- This detector is for outdoor use only. Do not use indoors. Many home appliances can emit electromagnetic waves, and will interfere with the detector.
- For indoor testing, turn the sensitivity low and keep the search coil away from electronics such as microwave ovens, computers and TVs. If your detector beeps erratically, turn off the electronic appliances and lights, especially those with dimmer switches.
- Read this manual before using.

Treasure Hunter's Code of Ethics

A few basic rules you should follow while using your detector.

- Always get permission before searching any site.
- Respect the rights and property of others.
- Observe all national, state and local laws when treasure hunting.
- Never destroy historical or archaeological treasures. If you are not sure about an object you have found, contact a museum or historical society in your area.
- Leave the land and vegetation as is, and fill in any holes you dig.
- Use the detector only in safe areas.
- Dispose of any junk you may find, only in approved areas. Do not leave it for the next treasure hunter find.

Terminology

The following terms are used throughout the manual and are common terminology among detectorists.

Elimination
Reference to a metal being "eliminated" means that the detector will not emit a tone, nor light up an indicator, when a specified object passes through the coil's detection field.

Discrimination
When the detector emits different tones for different types of metals, and when the detector "eliminates" certain metals, we refer to this as the detector "discriminating" among different types of metals. Discrimination is an important feature of professional metal detectors. Discrimination allows the user to ignore trash and otherwise undesirable objects.

Notch
Notching is the elimination of an item, or range of items, within the metallic spectrum. We “notch-out” an object, or objects, selectively.

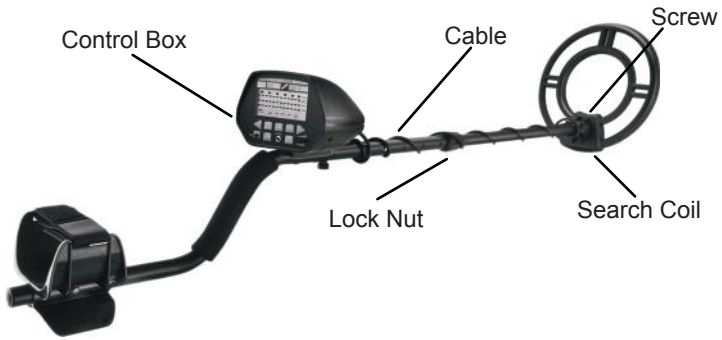
Relic
A relic is an object of interest by reason of its age or its association with the past. Many relics are made of iron, but can also be made of bronze or precious metals.

Iron
Iron is a common, low-grade metal that is an undesirable target in certain metal detecting applications. Examples of undesirable iron objects are old cans, pipes, bolts, and nails. Sometimes, the desired target is made of iron. Property markers, for instance, contain iron. Valuable relics can also be composed of iron; cannon balls, old armaments, and parts of old structures and vehicles can also be composed of iron.

Ferrous
Metals are made of, or contain, iron.

Preparation

Parts of the Metal Detector

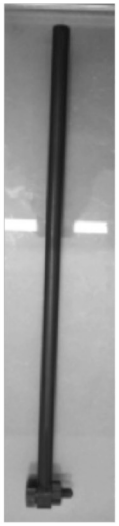
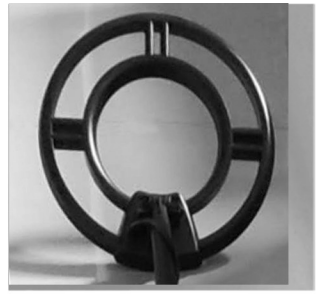


Assembly

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

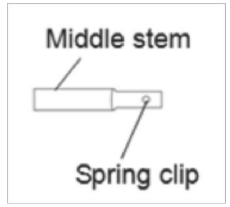
4. Search Coil



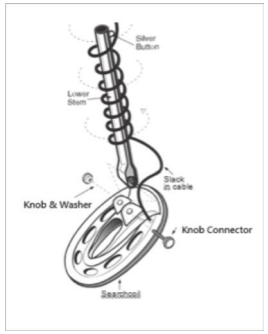




1. Top Stem (Stem) 2. Middle Stem 3. Lower Stem 5. Control Box

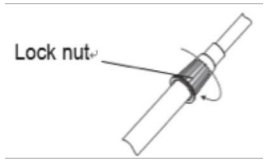
1. Depress the spring clip in the middle stem and insert it into the top stem aligning the clip with the hole.



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.

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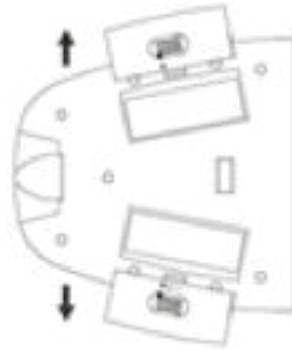
ADJUSTING THE SEARCH COIL

Loosen the knobs at the search coil's end; adjust the search coil to the desired angle. (The search coil should be parallel with the ground.) Tighten the knobs just enough to keep the search coil from rotating or wobbling.

INSTALLING BATTERY

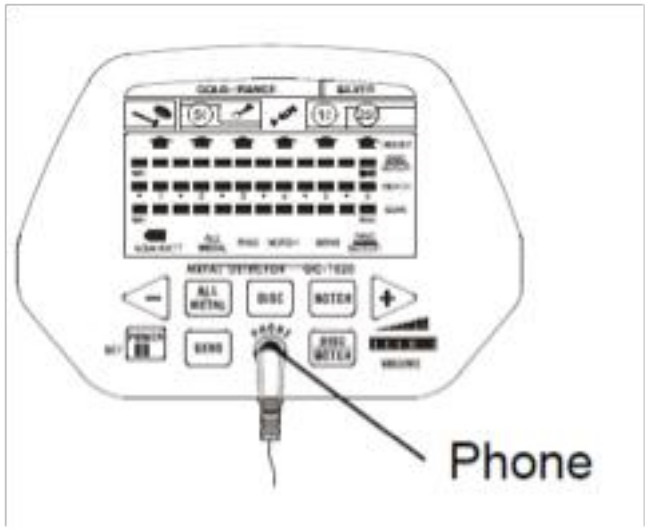


You need two 9V alkaline batteries to power your detector.

1. If the detector is on, turn the power switch (on the control panel) to POWER OFF.
2. Press on the battery compartment cover and slide the cover off in the direction of the arrow.
3. Connect the battery with the battery connector taking care of the polarity. Then put the battery into the compartment.
4. Replace the cover.

Cautions:
• Use only fresh batteries of the required size and recommended type.
• Always remove old or weak batteries; batteries can leak chemicals that can destroy electronic parts.
• If you do not plan to use the detector for a long time, remove the batteries.
• Dispose of old batteries promptly and properly.
• You can extend battery life by using earphones, which require less power than the built-in speakers.

USING HEADPHONES



1. Insert the headphone's 3.5mm plug into the PHONE jack. The detector's internal speaker disconnects when you connect the headphones.
2. Set the VOLUME to the desired setting.

LISTENING SAFELY

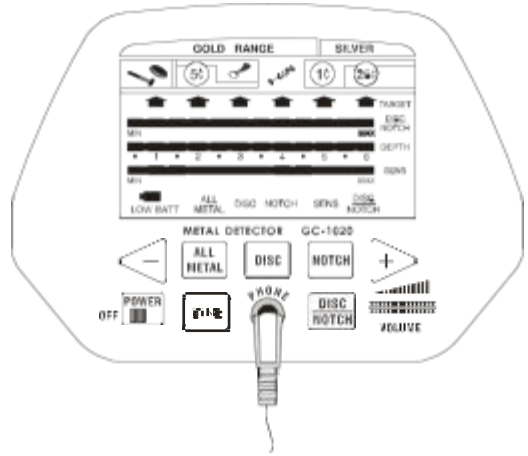
To protect your hearing, follow these guidelines when you use earphones.
- Set the volume to the lowest setting before you begin listening.
- After you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Extended high volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.

Traffic Safety

DO NOT wear headphones while operating your detector near high-traffic areas. Even though some earphones are designed to let you hear some outside sounds when listening at normal volume levels, they still can present a traffic hazard.

FUNCTIONS AND INDICATIONS

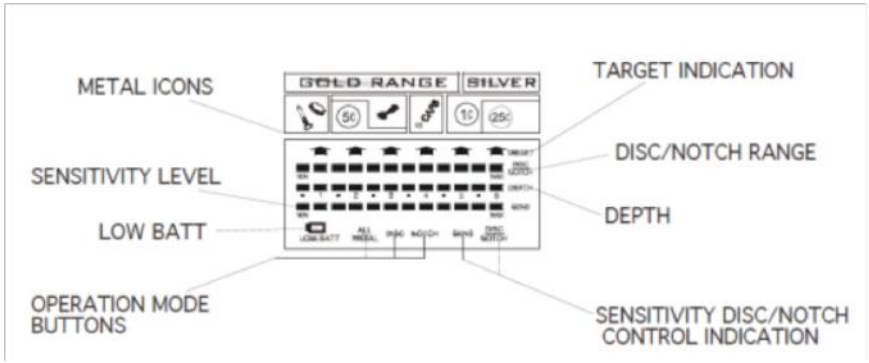
1. Control Panel



2. DISPLAYS

The indicator of target includes target icons and LCD displays and is located at the top of the detector. It can indicate coins of different type, gold, silver etc. When the detector detects an object, an arrow appears below the target icon of probable type of metal being detected. If the detector receives a strong signal, the arrow appears steadily. If the signal is weak, the arrow blinks or does not appear. Besides, it displays the depth of the target. The larger the reading is; the farther the target away from the coil.

Note:
- If the detecting pauses for about 5 seconds, the arrow will disappear.
- If an arrow points to a coin denomination, the detector might be detecting either a coin or another type of metal (such as jewelry, tokens, medals, or even junk metal) of similar size and type to the coin.
- Since the indications are approximations, the detector might not have actually found the item it indicates. The indicator is only a visual reference to help you decide if an item is worth perusing.



GOLD Range	Iron or Foil	Target is probably iron or foil. Some oxidized iron might register somewhere within the SILVER range.
	5¢ or Nickel	Target is probably 5¢ or a nickel. Some small gold rings might register within this range.
	Pull Tab	Target is probably a pull-tab of aluminum can. Some small gold rings might register within this range and might register within Pull Tab category.
	S-Caps	Target is probably a type of metal like bottle cap. Some medium sized gold rings might register within this category.
	1¢ or Penny	Target might be a zinc penny or a copper coin. Some large rough gold items might register within 1¢ category.
SILVER Range	1¢ Penny or 25¢ Quarter	Target is probably silver coin, 25¢ or 1¢. Some large aluminum coin might register within 1¢ 25¢ category.

3.TONES

If the detector is set to the ALL METAL target mode, it sounds a single tone when it detects any type of metal. If you set the detector to the DISC or NOTCH modes, the built in audio identification system sounds a unique audio tone for each of three categories of metal. This makes it easier to identify the metal being detected.

Tone	Detects
Low Tone	Foil, nails, bottle caps and/or nickels
Medium Tone	Pull tabs, zinc and/or copper items
High Tone	Brass and/or silver items

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Notes:
• When you set the detector to DISC or NOTCH mode, the detector sounds a medium or high tone when it detects highly oxidized iron. An arrow appears in medium or high tone area.
• Depending on the quality, about 15 percent of gold rings cause the detector to sound a medium tone.

OPERATION

1. Turning on the detector
Slide the power switch to ON. The unit displays all symbols on the LCD screen. The detector sounds low, medium, high tones respectively. After about 2 seconds the detector enters stand-by state.
• At this time the LCD displays ALL METAL and SENS. The value of SENS on the segment is 5. The range from MIN to MAX for DISC/NOTCH is available.

2. Setting the operation mode

The detector comes with three operating modes ALL METAL, DISC, or NOTCH. You can select the desired mode by relative touch key.

a. ALL METAL — used for detecting any type of metal. When the detector detects any type of metal, it sounds a tone and an arrow appears below the target icon of probable type of metal being detected.
b. DISC — used for target discrimination. You can press DISC touch key to change to DISC mode. When the bottom of right side shows SENS, you can adjust the sensitivity by press + or -.

If you want to choose the target range from MAX to MIN, you need to press DISC/ NOTCH first and press + or – keys to adjust the range. The cursor bars under target range will show which metal objectives you may eliminate or select. The detector can detect the metal type indicated on the display. At meanwhile, the detector rejects other metal types without displaying on the screen. For example, press + key, 7 levels on cursor bars from Max to Min are increased. At this time, the detector can detect Pull Tub, S- CAPS, 1¢ and also 25¢, other types of metal are rejected.

Note:
25¢ is unable to be eliminated since it contains silver and may be valuable object.

c. NOTCH—to ignore the metal type you do not want. You can select the metal type desired by pressing the + and - keys. The LCD cursor bars will indicate the selected types of metal. The detector can detect the selected metal type.

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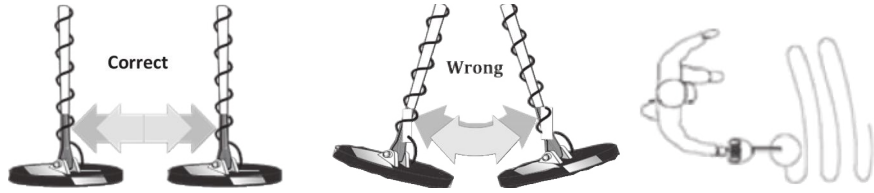
3. Search Coil Sweeping Hints

- 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 to 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 item, it sounds a tone, an arrow and the depth appear on the display below the target icon.
If the detector does not detect the item, make sure that the target mode is set correctly for the type of metal you're searching for. 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.

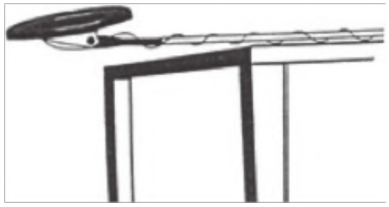
4. Adjusting SENSITIVITY
After you become familiar with how your detector works, it's important to fine tune the sensitivity to get a good effect.
Press the touch button SENS on the panel. Then press + or - to increase or decrease the sensitivity. The level on the segment will be displayed from MIN to MAX position.

Note:
In order to detect the target deeply buried, you can adjust the SENS to a high position. However, do not set the level of SENS to Max position (the optimal level is

5). Otherwise, the detector will receive interference and false signal from a broadcast antenna and other electronic lines. The detector will have unstable arrow and irregular tone indications.

Quick Start Demonstration

Indoor Testing



Supplies Needed
• Nail
• Quarter
• 1¢ (post-1982)

1. Remove any metal items that you may be wearing.
2. Turn on the detector
3. Place the detector on a wooden or plastic table and adjust the search coil so the flat part points upwards toward the ceiling.

4. When in DISC or NOTCH mode, evenly sweep the nail 2-3 inches above the flat face of the search coil. The detector will emit a low tone and the arrow pointing to nail in target indicator illuminates. The DEPTH indicator also displays corresponding value.

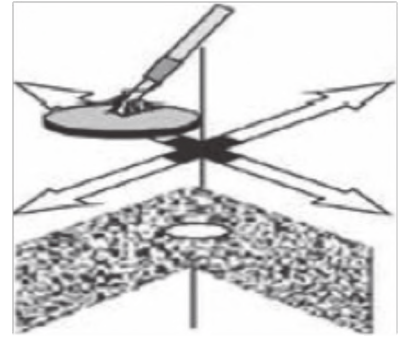
Repeat the above test with a 1¢ (post-1982). Detector sounds medium tone this time, and target indicator arrow points to 1¢. While in the test of25¢, detector emits high tone and arrow points to 25¢.

When you use a coin as sample to run testing, lay the flat side of the coin parallel with the flat face of the search coil and sweep evenly. By this way, the detector can find the target more easily. Sweeping with the side of the coin vertically with the search coil will cause test error and target arrow might be flash and jump.

5. In All METAL Mode, the test is same as in DISC or NOTCH mode. However, the detector emits only one tone when detects the target. Arrow points to the detected target and DEPTH indicator shows relative value.

Outdoor Testing

Pinpointing



Accurate pinpointing takes practice and is best accomplished by crossing sweep the target area.

1. Once a buried target is indicated by a clear tone response, continue sweeping the coil over the target in a narrowing side-to-side motion.
2. Take visual note of the place on the ground where the "beep" sounds.
3. Stop the coil directly over this spot on the ground.
4. Now move the coil straight forward and straight back towards you a couple of times.
5. Again make visual note of the spot on the ground at which the "beep" sounds.
6. If needed, cross sweep the target in "X" pattern at different angles to "zero in" on the exact spot on the ground at which the "beep" sounds.

TROUBLESHOOTING GUIDE

Problem	Reason	Suggestion
The detector displays or sounds without detecting any target	The detector may receive interference and false signal from broadcast antenna and other electronic lines	Change 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 SENSITIVITY
	Sweeping the detector's search coil too fast or at 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
LCD display multiple target categories or emits several sounds at once function.	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
	Five-pin cable not connected well	Re-plug it properly
	Dead battery	Replace batteries

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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.