

## 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](http://www.barska.com)

Please email service [@barska.com](mailto:@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  
\$15.00 - Handheld 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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**WINBEST®**  
by **BARSKA®**

## Pro Edition Metal Detector And Hand Held Metal Detector



NOTES BEFORE USE

- If you are new to use metal detectors, it is recommended to set the sensitivity to a median level in the event of false signals.
- If the sensitivity is set too low, it may miss some valuable target. 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.
- Operates on two 9V alkaline batteries (not supplied).
- Do not use Heavy Duty batteries.
- Do not use ordinary Zinc-Carbon batteries.
- 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.

FEATURES

With your metal detector, you can hunt for coins, relics, jewelry, gold, and silver just about anywhere. This metal detector is versatile and easy to use. Features include:

Two Operation Modes: All Metal, Disc

ALL METAL – Lets you search for all different types of metal with auto ground balance and high sensitivity. It's the best operation mode.

DISC – Discriminates what kind of metal is being detected.

Volume – To adjust the volume level of speaker and headphone

Earphone Jack – Lets you connect headphones (not supplied) to the detector.

View Meter and Pointer – The meter pointer swings to the right if metal is found.

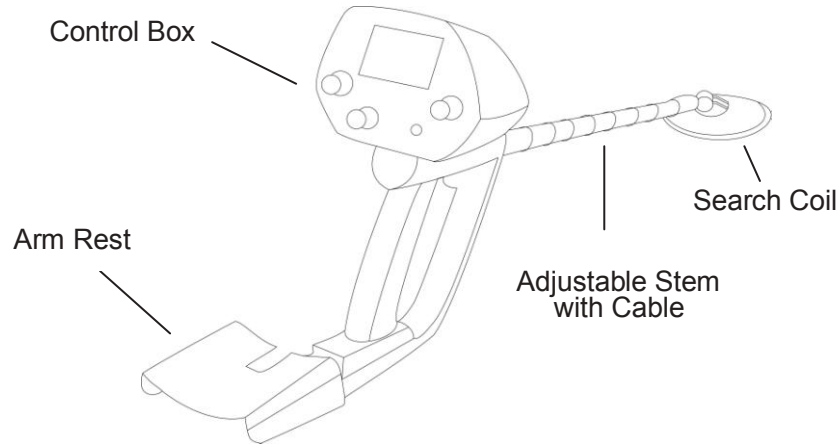
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Waterproof Search Coil – Let you search for metal objects under shallow water.  
\*Note: The search coil is waterproof, but the control housing is not.

Adjustable Stem – Lets you adjust the detector's length.

PARTS OF THE DETECTOR

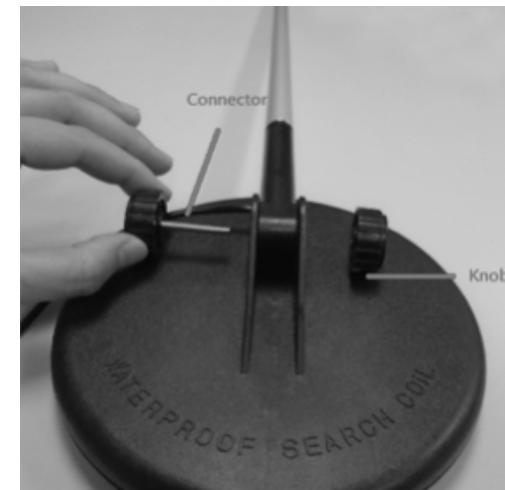


ASSEMBLING THE DETECTOR

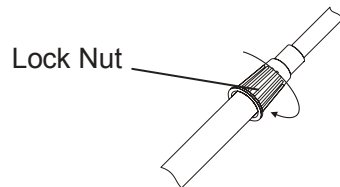


1. Top Stem
2. Arm Rest
3. Control Box
4. Lower Stem
5. Search Coil

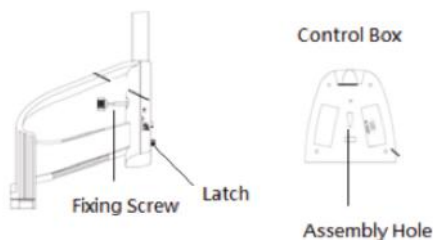
Assembling the detector is easy and requires no special tools. Just follow these steps.



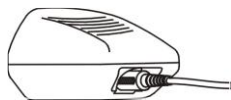
1. Unscrew the knobs on the search coil (5) and remove the knobs and the connector. Insert the lower stem (4) and align the holes on the search coil bracket and the stem. Push the connector through the holes, then replace and tighten the knobs.



2. Loosen the Top stem's (1) lock nut in the direction of the arrow. Then insert the lower stem (4) into the top stem connected with the handle. Turn the stem's lock nut in the reverse direction of the arrow to lock it in place.
3. Insert the latch on the top stem (1) into the assembly hole on the back side of the control box (3). Then slightly push the control box in the direction of IN on the handle to fix the latch in place.



4. Tighten the fixing screw.



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



6. Insert the arm rest (2) into top stem (1) and tighten the fixing screw.
7. When you stand upright with the detector in your hand, the search coil is level with and about .5~2 inches / 1~5cm above the ground. You can lengthen or shorten the stem basing on your height. After figuring out the suitable length, then tighten the lock nut.

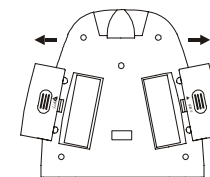
**Caution:**

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

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



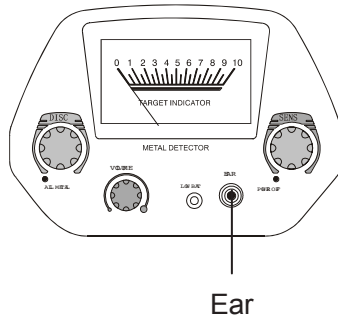
You need two 9V alkaline batteries to power your detector.

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.

**Caution:**

- 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



You can connect a pair of headphones (not supplied) to the detector so you can listen privately. Using earphones also saves battery power and makes it easier to identify subtle changes in the sounds you hear, for better detection results.

To connect earphones to the detector, insert the earphone's 3.5mm plug into the EAR jack on the control panel.

Note: The detector's internal speaker disconnects when you connect earphones.

LISTENING SAFELY

To protect your hearing, follow these guidelines when you use earphones.

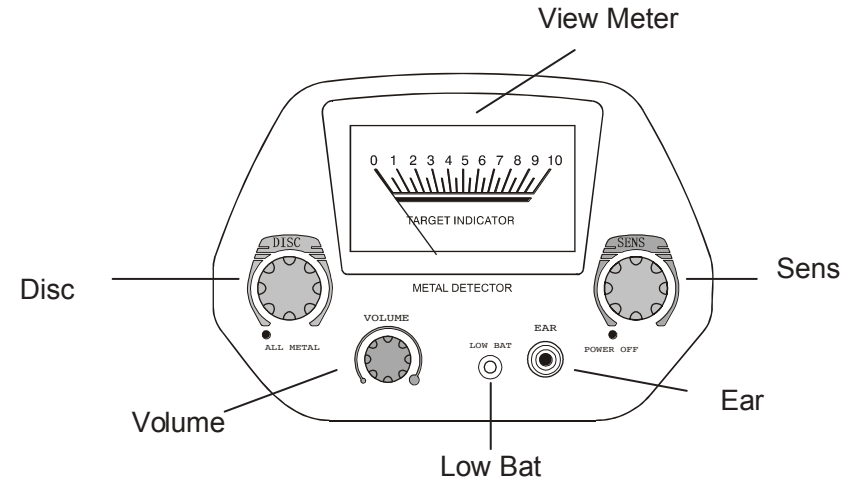
- Set the volume to the lowest setting before you begin listening.
- After you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Extended high volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it. 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 INDICATORS

PARTS OF THE CONTROL BOX



**DISC** — Rotate the control clockwise away from ALL METAL to get DISC mode. The DISC mode comes with auto ground balance. Rotate the control slowly and clockwise to eliminate different trash objects. Rotate the control counter clockwise to the end to get ALL METAL mode. All METAL also comes with auto ground balance. It's used to find not only ferrous metal, but also non-ferrous one (see more details below).

**SENS** — Rotate the control counter clockwise to the end to power off the unit. Rotate the control clockwise to power on the unit. Continue rotating it clockwise to get higher sensitivity.

**VOLUME**—Rotate the control clockwise to get higher level or to get lower volume level by rotating it counter clockwise.

**LOW BAT**— Low battery indicator. When LOW BAT indicator lights, user should replace the batteries at once.

**EAR**— 3.5mm head phone jack for connecting headphones.

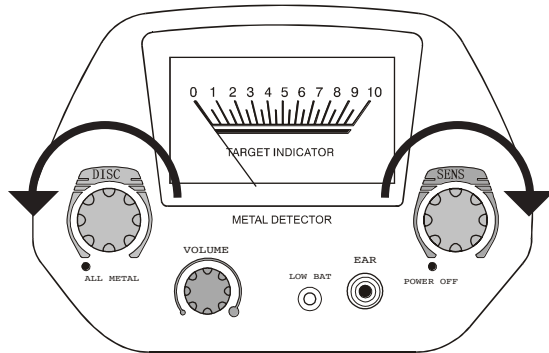
VIEW METER—When unit finds any metal target, the meter pointer swings to the right.

TESTING AND USING THE DETECTOR

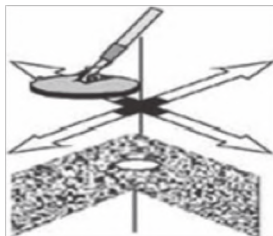
This metal detector has two operation modes: ALL METAL & DISC.

ALL METAL - is used to find all kinds of metal targets.

DISC - Is used to discriminate the metal type.



1. To set the operation mode to ALL METAL: turn DISC knob counter clockwise to the end and turn SENS knob to high position.
2. Then hold the search coil parallel with the ground about .5~2 inches / 1~5cm above the surface. Sweep the search coil from side to side in an arc line of 2.75 inches / 7cm motion.
3. When the detector detects a buried target, it sounds a tone. Users can make a visual note of exact spot on the ground where the detector beeps.
4. Stop the search coil directly over this point on the ground. Move the search coil straight forward away from you and straight back towards you a couple of times.



5. Repeat steps 3-4 at a right angle to the original search line. Make a mark of "X". The target will be directly below the "X" at which the beep occurs.

6. Meantime slowly rotate the DISC control clockwise away from ALL METAL until the unit does not sound or sounds short tone. You can identify what kind of metal is REJECTED according to the setting position of DISC.

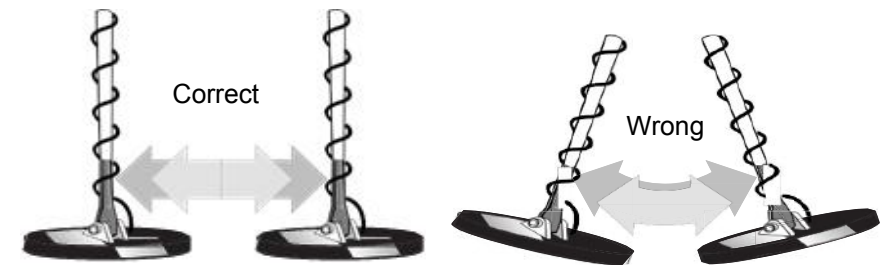
A reference for you to know what kind of metal is rejected depending on the DISC setting.

Setting of DISC	Metal Rejected
Near 11:00	Iron
Near 12:00	Iron, Nickel coin(5¢), pull tab
Near 13:00	Iron, Nickel coin(5¢), pull tab, Zinc coin (1¢ 87 version)
Near 15:00	Iron, Nickel coin(5¢), pull tab, Zinc coin (1¢ 87 version) Copper coin (1¢ 76 version)

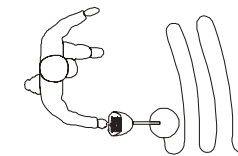
For example, if you set up DISC knob to the position near 12:00, it means that metal targets like Nickel coin, pull tab, or Iron should be eliminated. Therefore, when you detect a buried target and the detector beeps, it may be the metal target of Zinc coin, Copper Coin, or Silver.

When the DISC control is set to the clockwise end most of metal is rejected, except silver (25¢, 50¢ and \$1).

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.



### FACTORS THAT AFFECT THE DETECTING

It's difficult to have an accurate detecting result. It takes practice to get better detection results. Sometimes the detecting may be restricted by some factors.

- If there are interference from other instruments or electrical cable, TV or radio in your searching area, lower the sensitivity, or to change the current searching area.
- When searching in highly mineralized area, the unit will sound even if there's no metal. In this case, you can lower the sensitivity and increase the height between the search coil and the ground until the false signal disappears. If necessary, reset the DISC.
- When searching in trash area, it's better to set the DISC to 11:00 position, so that the unit can notch most of invaluable metals such as nails and small trashy iron.
- Move away any metal digging tool when searching.
- Sensitivity level is generally in contradiction with that of the discrimination. The higher the sensitivity level is, the worse discrimination will be. But you can lower the sensitivity to have better discrimination.

### CARE AND MAINTENANCE

Your metal detector is an example of superior design and craftsmanship. The following suggestions will help you care for your metal detector so you can enjoy it for years.

- 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.

### TROUBLESHOOTING

Problem	Reason	Suggestion
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. For more details, please see the section of "Testing and Using.
	Using 2 detectors in close proximity.	Keep two detectors at least 6 meters (20') apart.
The detector does not function.	Five-pin cable not connected well.	Re-plug it properly.
	Dead battery.	Replace batteries.

**Handheld Metal Detector**



Parts of the Handheld Metal Detector

- |                               |  |
|-------------------------------|--|
| A. Red LED Visual Alert       | E. Sensitivity Adjuster  |
| B. Search Coil                | F. Handle  |
| C. Green LED On/Off Indicator | G. Speaker Audio Alert   |
| D. Control Slide Switch       | H. Battery Compartment and Cover<br>(located under the handle) |



Inserting the Battery

Loosen the screw on the battery cover and remove the battery cover. Insert a new 9V battery into the battery compartment and pay attention to the polarity symbols. Replace the battery cover and retighten the screw on the battery compartment.

Operating Instruction

Hold the detector by the handle in a comfortable position. Set the control slide switch from the OFF mode to either of the other modes to turn the metal detector on. The power indicator light will be on and a momentary beep is heard.

Control slide switch functions

-  Visual and Audio Alert
-  Visual Alert

To test the detector, pass it over a known area with metal objects and check for the visual and/or audio alarms. It should be tested at regular intervals to ensure correct operation.

Adjusting the Sensitivity

To adjust the sensitivity, locate the sensitivity adjuster and use a small flat bladed screwdriver to rotate the potentiometer located in the hole, rotate screwdriver:

- Clockwise to increase sensitivity
- Counter-clock to decrease sensitivity

Increase sensitivity until both audio and visual alarms are continuously on, and then slightly decrease the sensitivity. Preset sensitivity is at 1.96 inches / 5 cm for a US .25¢ coin. (Note: Do not adjust the sensitivity higher than necessary as this may cause false alarms)

Low Battery Warning

Replace the battery when either of these situations occur with the metal detector

- If the metal detector is not detecting metal objects over a know area with metal objects
- If audio tone alarms continuously

Trouble Shooting

Move to a different search area if

- Alarms when in motion, but is stable in open air, there could be too much metal in the area.
- Alarms when motionless or motion, it could be the result of interference from electronic equipment (as broadcast antennas, power lines etc).

If neither of the above is successful, the sensitivity may be too high and requires adjustment.

Care and Maintenance

- Keep your detector clean and dry.
- Clean detector with damp cloth to maintain its appearance.
- Do not use chemical cleaners.