Treasure Hunter

The **All Vision Pro XJ9** is for serious to expert detectorists. This is one of our best detectors, equipped with a powerful 16-bit Z-186 Computer Microprocessor which combines with Treasure Hunter's Patented Technology to offer more features, performance and detecting depth than any other detector in its price range.

As one of our Top detector models, the XJ9 has full visual target identification on a large LCD as well as 8 different audible tones.

Whether sweeping the search coil ultra fast or ultra slow, the Treasure Hunter All Vision Pro will detect targets with tremendous accuracy at depths of up to 33cm ! !

Treasure Hunter TM No. 2,800,417
Patent Numbers: US D486,080 S; US D486,081 S

Treasure Hunter
All Vision Pro XJ9 Metal Detector
Owner's Manual

For the DISCRIMINATING user.

QUICK START GUIDE
FOR YOUR NEW TREASURE HUNTER METAL DETECTOR.

CONGRATULATIONS
ON YOUR NEW TREASURE HUNTER METAL DETECTOR.

Do not use your new Treasure Hunter metal detector indoors because light bulbs, microwaves, cell phones, cordless phones and many other household items can cause interference with the units magnetic field. These household items have an electromagnetic field of there own, which will cause the metal detector to "chirp" or beep erratically.

Many users put a quarter on the floor of their house and find that they receive false readings. This is due to the electrical wiring (metal & magnetic fields) and nails (more metal) underneath the floors crossing the magnetic field of the metal detector's search coil.

Do not use your new Treasure Hunter around power lines or on concrete. Concrete usually contains metal rebar, which will cause the detector to beep. Also keep the detector clear of chairs, walls and tables, as these objects can also contain some metals (even the side of the coil can give a reading, which is why the part that attaches the coil is made of plastic).

In order to test your unit, have someone hold the unit no less than 3 feet off of the ground, take a quarter in your hand and move it in a constant motion across the search coil. Again, do this outside the house and away from any possible interference. Be sure that the quarter lies flat with the search coil, which is how your new treasure hunter metal detector is programmed to detect those objects. If an object, such as a quarter, is moved over the search coil in a position other than flat, it can cause false readings as well. The motion must be constant; this is a feel that will be developed over time. Treasure Hunter has given your metal detector a powerful program that allows the detector to "see" or detect an object in its flat position. In the field, that is how objects will be found 99% of the time.

Size, shape and oxidation can cause the processor's program to read certain ways, or even read an object incorrectly. Recently buried coins might not respond the same as coins buried for a long period of time because of oxidation.

Some nails, nuts, bolts and other iron objects oxidize and create a "halo" effect. A halo effect is caused by a mixture of naturally occurring elements in the ground and the oxidation created by different metals. Because of the metal mixtures, the targets' signals might not be in a "fixed" position that the computer program recognizes (shape or type) properly.

When using your Treasure Hunter metal detector to identify objects such as gold, or silver, use the strip across the top.

You will notice that the strip goes from iron to gold to silver. You may also note that there is a coin listing on that strip as well, however, the coin strip is only a size indicator. Do not use the readings on the LCD display at this point, except as a reference between iron, gold and silver.

Gold can register anywhere on the left side depending on its size and purity. For example, when reading a large watch, the detector's program will read nail, penny, quarter, etc. This is because the program of the unit is reading the gold, silver, iron and other metal contents in the object; the indicator will jump around sporadically. The same thing applies with a gold ring. A gold ring will read generally between iron and gold depending on how pure the gold is and what item is mixed with the gold (ie. 14 k) – 24k being solid gold and 14k being a lesser amount of gold mixed with other metals (some precise, some not). The largest reading for gold will be .05 to .25 in the correct iron to silver strip at the top within the gold. The reading of the LCD display has little to do with material, but will give some idea to size.

The pinpoint is when the 2 lines come close together at the bottom of the LCD display readout. The closer the lines become, the more on top, or on target you are.

When you find the object, it is a good idea to step right and sweep the coil in an "X" motion – this will help in pinpointing as well.

Sweep the detectors search coil holding the search coil level (do not use like a pendulum, raising at the end of the stroke); use many angles to better pinpoint the target.

When in the field, sweep the coil in a constant motion and be sure that the coil is swinging level (see manual). This is a feel that takes some time to develop.

Be sure you are detecting an object made of one kind of metal, For example, a watch or a piece of gold jewelry contains many kinds of metals. The detector is programmed to detect certain kinds of metals, but when a piece of object contains several kinds, it confuses the detector. A penny made before 1982 is made of copper; a penny made after 1982 is made of zinc (a less expensive metal) and will read differently for each of the post and pre 1982 pennies.

Be sure the discrimination knob is not turned all the way up to display all objects in the LCD display. If every metal is being discriminated, it will not beep even if the metal detector is moved over metal; that is the job of the discriminator. It is better not to use this feature until you have become familiar with the machine and have used it extensively in the field, not just a few "tests."

AUTOMATIC GROUND BALANCE

Be sure, if you are receiving false readings, to re-adjust the ground balance by turning the unit off, and then turning it on again (in a place with no interference and away from the house). Hold the coil 3-4 inches from the ground so the detector can ground balance itself. Even with the ground balance function, if the soil is highly mineralized, it may be difficult for the machine to balance itself.

It is very important to swing the coil parallel; do not lift the search coil at the end of the swing like a pendulum. Keep the coil in a constant and consistent motion the whole time as you "sweep" the ground. The 16-bit Z-186 microprocessor is measuring the soils content and averaging its calculation over time. A consistent coil speed at a constant height helps the Z-186 microprocessor in your detector to scan accurately and discriminate against the earths naturally occurring minerals. **Remember to adjust the detector's sensitivity when beeping is "out of control" or sporadic.**

The outside loop of the spider coil creates a magnetic field; the inside loop of the spider coil gives the reading of the LCD display. Different characteristics of metals and sizes of objects disrupt or reflect the magnetic field given off by the outer ring. The inner ring (the inside loop) detects the LCD display reading. The object must pass over the range of the smaller inner ring of the coil.

Since your detector is extremely sensitive, trash-induced signals and other sources of interference might cause signals that seem confusing. The key to handling these types of signals is to dig for only those targets that generate a strong, repeatable signal. As you sweep the search coil back and forth over the ground (level), learn to recognize the difference between signals that occur at random and signals that are stable and repeatable. To reduce false signals when searching a very trashy ground, scan only a small area at a time using slow, short, overlapping sweeps. It is a feel the detectorist will develop over time and with experience in the field.

DETECTION HINTS THAT WILL AFFECT READINGS

1. Make sure to always check the batteries; use only new high-quality alkaline batteries (Very Important).
2. The angle at which the object is positioned in the ground.
3. Depth of the object.
4. The amounts of iron (or other metals) combined in the target.
5. Size, shape and oxidation of the target object.
6. The search coil should be level; picking up the search coil at the end of a swing will produce false readings.

7. Light bulbs, microwaves, cell phones, cordless phones and many other household items can cause interference with the units magnetic field causing the metal detector to "chirp" or beep erratically. If this happens, move to an area that does not have this interference, or eliminate the item in the area by turning it off until the object that is interfering is identified.
8. Be careful no metal exists in or around the surface area: Concrete contains metal rebar and will cause the detector to beep; flooring in a house has nails, tacks and other kinds of metals used to construct or fasten them and will give readings. Keep the detector clear of chairs, walls and tables, as these objects can also contain certain metals (even the side of the coil can give a reading, which is why the part that attaches the coil is made of plastic).

The Treasure Hunter All Vision Pro XJ9 is designed to find all metals, including coins, relics, jewelry, gold and silver in any terrain conditions. This exciting OneTouch metal detector is automatic and surprisingly easy to operate once the basics are understood (see the quick start guide). Your All Vision Pro XJ9 offers different shapes and colors for different preferences/metals and has a 16-bit Z-186 microprocessor controlled circuitry. The detector has LCD target imaging and tones to identify targets as well. To obtain the maximum performance, we suggest you to read this manual carefully.

FEATURES

1. Use the Target ID to learn what you've found. Detected objects are shown on the larger LCD display (bottom of display). You can determine immediately whether the object is worth recovering or not **(See the quick start guide)**.
2. Use Treasure Eye to pinpoint the target easily.

   When any metallic target is detected, a cursor segment will move from the middle outward on the upper section of the LCD display. As the search coil passes directly over the target, this lighting action will become more intense. This helps the pinpointing of targets.

   Note: Treasure Eye signals all metallic targets, not just those you have selected with the Elimination Control.
3. Fully automatic and high discrimination capability.
4. Unwanted Target Elimination.

   You can set the detector not to respond to some objects and hunt only for specific targets once you have become familiar with the machine. **DISC** should not be used until the detectorist is familiar with the machine.

5. Unique Tone for Targets.

   When an object is being detected, a unique tone corresponding to the target will sound. It is unnecessary to keep watching the LCD display while searching. There are 7 distinctive tones for 7 types of metals.

6. Auto-low battery voltage indication.

   The battery icon will be shown on the LCD display when the battery voltage goes below the proper value (sometimes batteries will still have a charge just high enough not to display in the LCD but require changing anyway). If the low battery indicator shows on the LCD display, replace batteries immediately.

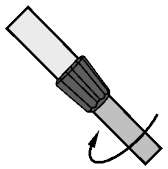
ASSEMBLY

The detector is shipped fully assembled in one carton. Only two adjustments are necessary, and no tools are required.

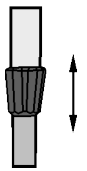
1. Turn the search coil to the scanning position. It may be necessary to loosen the knobs securing the coil and then tighten them again. Make sure that the knobs are tightened (by hand) securely after the search coil is positioned.
2. By pressing and depressing the pop-out buttons to adjust the stem to the most comfortable length for you.
3. Install fresh batteries and the detector will be ready for use.

Assembling your Treasure Hunter XJ9 detector is easy and requires no special tools. Just follow these steps.

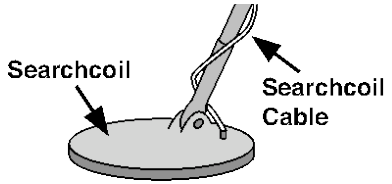
1. Turn the stems lock nut until it loosens.



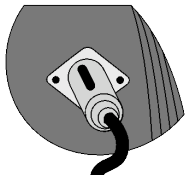
2. Install the handle and tighten the lock nut in place.



3. Wind the search coil cable around the stem. Leave enough slack in the cable to let you adjust the search coil when you are hunting on uneven ground.

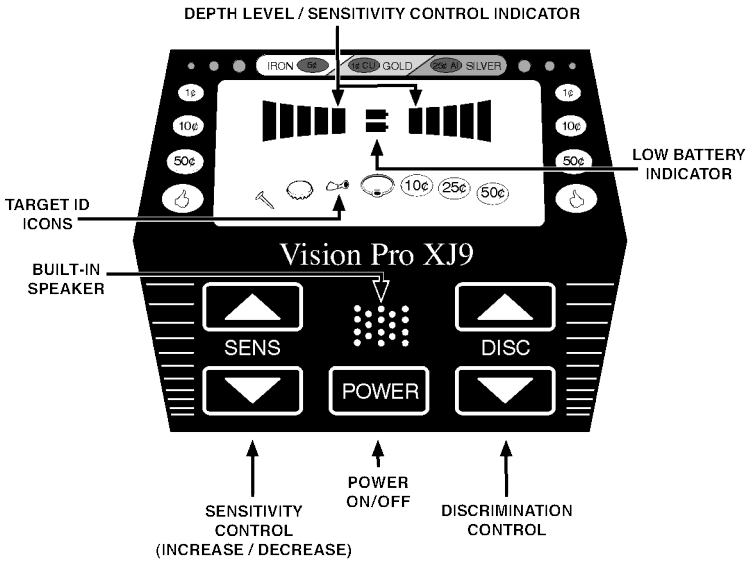


4. Insert the search coil's plug into the search coil jack on the detectors control housing. Be sure the pins on the plug align with the holes in the jack.



Cautions: The search coil's plug fits into the connector only one way. Do not force the plug or you could damage it.

CONTROL PANEL



POWER : Set the power on or off.

▲ **SENS**: Increase the sensitivity.

▼ **SENS**: Decrease the sensitivity.

Note: You can easily change the sensitivity by pressing the up or down arrows. See **LCD Display Icons** below**: 1. Selectable Sensitivity**.

▲ **DISC**: Increase the range for detected & discriminated metals.

▼ **DISC**: Decrease the range for detected & discriminated metals.

Note: You can select the metals you want to eliminate and ones you want to discover by using above two **DISC** keys. Press ▼ **DISC** once and notice one of the target icons disappear. Keep repeating to further decrease the range for detected & discriminated metals. Press ▲ **DISC** once and notice one of the target icons re-appear. Keep repeating to further increase the range for detected & discriminated metals. See **LCD Display Icons** below**: 3. Iron Nails to 10. 50¢ (US coin)**.

TARGET ID GUIDE

The top of the control panel shows the metallic information. This bar (see example picture below) should be used to identify specific types of metal. The range should be used without the LCD to detect certain metals such as Gold, Iron and Silver.

LCD DISPLAY ICONS

1. Selectable Sensitivity: 5 levels available for sensitivity adjustment.

2. Low battery voltage:
   The battery should be replaced when the battery icon is displayed on the LCD.

3. Iron Nail

4. Pull-Tab or 5¢ (US coin)

5. Screw Cap

6. 1¢ (US coin)

7. Golden Ring

8. 10¢ (US coin)

9. $1 or 25¢ (US coin)

10. 50¢ (US coin)

Note: When any target is being detected, the corresponding icon will flash for several seconds, and a unique tone corresponding to the target will generate. The flashing target icon also indicates the Target ID Scale and helps to identify the target indicated by the flashing icon.

OPERATIONAL PROCEDURES

1. Turn on the detector by pressing the **POWER** key once. Note: Pressing the **POWER** again will turn off the detector.
2. The **SENS** icon (Treasure Eye) and battery icon appears on the display for several seconds, then disappears and the detector will beep. There are 7 target icons on the display unless the elimination setting is set to eliminate one or more of them by using the "**DISC**" setting on the detector.

Note: During this time, the search coil should be away from all metals and kept still until the **SENS** icon (Treasure Eye) and battery icon disappears and the beep is heard. If this is not done, then the detector will not work properly.

3. The detector enters into normal operation mode.
4. You can adjust the sensitivity and the elimination range at any time, by pressing the up or down arrows provided on the detectors control panel. The status of sensitivity and elimination range will be displayed on the LCD – this function will take some time to prefect. Treasure Hunter suggests using it in full operation mode with no discrimination until the user is more familiar with the unit.
5. After the user is comfortable with these adjustments and has carefully set them, only the object size or shape in the LCD display will be detected.
6. When a metal is detected, the target icon corresponding to the metal will flash and a corresponding tone will sound. The operator can determine the types of detected metals easily according to the position that the flashing target icon located in the Target ID Scale. Keep in mind it is a metal detector, opposed to an x-ray machine, not every reading can be accurate **(see quick start guide)**.

BATTERIES AND BATTERY REPLACEMENT (VERY IMPORTANT)

Your new Treasure Hunter detector uses two 9 Volt alkaline batteries (not included) as its power supply. The battery compartment is located on the rear side of control box.

1. Remove the cover of the battery compartment and then remove the old batteries.
2. Make the connections between the new fresh alkaline batteries and the clips; be sure they are seated properly. If the connections are not seated, the detector will not behave properly.
3. Install the new alkaline batteries.
4. Install the battery cover back in place.

Note: The detector must be turned off when the new alkaline batteries are being changed. **Caution**: Use only high quality alkaline batteries.

OBJECTS NOT ON THE LIST

If the target icons flashing from one position to another (the readings are moving all over the LCD display) or vice versa while an object is being detected, the detected object may be an object not in the display list, not in the detectors program, or the soil is highly mineralized. By decreasing the sensitivity, these can be ruled out and the area searched again.

SERVICE

Treasure Hunter makes one of the best quality detectors on the market. We don't want you to have any problems with your detector. If your detector fails to operate, check the batteries (be sure you are using new, fresh alkaline batteries). If the detector still does not operate, try pressing and depressing the **POWER** key several times. Sometimes the on-off relay may "stick" in the off position.

If you feel you have read the manual in full, including the quick start guide provided, and feel you have a defective unit, please contact the dealer you bought it from. The dealer will be happy to field test the unit for you and exchange if found to be defective.

Metal detecting can be a lifelong pursuit available to all ages. The hobby brings together the components of outdoor exercise and educated guess in a search for coins, relics, jewelry, silver or gold, and it is completely dependent on the detector and the operator's expertise.

DETECTORIST CODE OF ETHICS

All treasure hunters can be judged by the example you set. Here are a few basic rules to follow while using your Treasure Hunter metal detector:

- Respect private and public property, all historical and archaeological sites and will not metal detect on these sites without permission.
- Keep abreast of and obey all laws, rules and regulations governing federal, state and public land.
- Aid law enforcement authorities whenever possible.
- Do not willfully cause damage to property, including fences, signs and buildings, and I will always fill the holes I dig.
- Do not destroy property, buildings or the remains of ghost towns and other deserted structures.
- Do not leave litter or uncovered items lying around. I will collect all trash and discarded targets upon leaving a search area.
- Observe the Golden Rule, conducting myself in a manner that enhances the public perception of the hobby of metal detection.

CAUTION:

- Do not hunt in an area where electric lines, gas/water pipelines, bombs or other explosives or dangerous materials may be buried.
- Never trespass or hunt on private property without permission.
- Treasure hunting is strictly forbidden in certain areas, such as (but not limited to) National and State Parks, Monuments, Military installations, etc. If you are not absolutely certain of the legality, do your homework and look into the area’s rules and regulations before hunting!
- Be careful when digging where the underground conditions are unknown.