

METAL DETECTOR

USER MANUAL



PHMD53

PYLE®
PyleAudio.com

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1. INTRODUCTION

Thank you for purchasing our metal Detector. With this powerful and versatile device, you will be able to hunt for coins, relics, jewelry, gold, and silver just about anywhere. The detector is versatile and easy to use. This unit has an auto ground balance used in Disc and All Metal Modes.

FEATURES OF YOUR DETECTOR

Fully automatic, ready-to-use metal detector.

Zero Motion Targeting Function for precisely locating a target.

View Meter Can be used in a noisy area, where it is difficult to hear.

All Metal - push-key switch and identifying switch are made of metal for the highest quality.

No Clumsy Slack Cable - hidden search coil cable (connecting the control unit and search coil) prevents tangling and provides easy stem length adjustment.

Low Battery Alarm - automatic audio alarm and red light efficiently reminds the user to change the battery in the proper amount of time.

Headphone Jack - provided for headphone connection. Both stereo and/or mono headphones can be used.

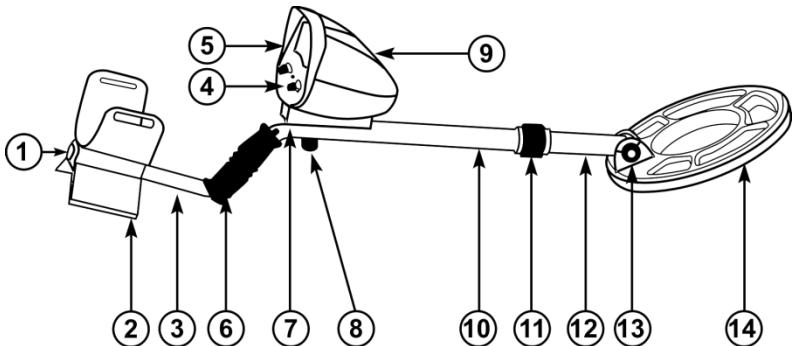
Waterproof Search Coil - lets you use the detector in shallow water.

Adjustable Stem - lets you adjust the detector's length for comfortable use. The micro-plug that connects the search coil and the controller unit is made of metal which makes the plug more reliable.

Armrest & stem - designed to eliminate strain on forearm. The nylon bracket secures the your hand to the metal detector.

Power - Use six 1.5-volt AA alkaline batteries.

2. PARTS AND NAMES



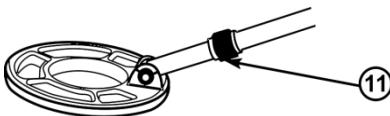
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|---------------------|-----------------------|
| 1. SEALING | 8. KNOB |
| 2. ARMREST | 9. MAIN ENGINE |
| 3. ARMREST STEM | 10. UPPER STEM |
| 4. ADJUSTMENT | 11. STENLOCK NUT |
| 5. CONTROL PANEL | 12. LOWER STEM |
| 6. HAND COMPARTMENT | 13. SEARCH COIL KNOBS |
| 7. CONTROLLER UNIT | 14. SEARCH COIL |

3.PREPARATION

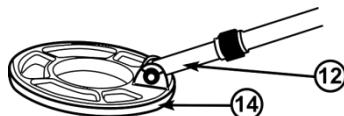
3.1 ASSEMBLING THE DETECTOR

You don't need any special tools to assemble your metal detector. All you need is a small Philips-head screw driver. After unpacking your detector, you may start the following assembling and adjustment:

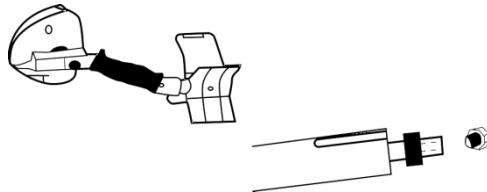
3.1.1 Rotate the STEM LOCK NUT (11) Clockwise until it loosens.



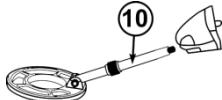
3.1.2 Slide the UPPER STEM (12) towards the SEARCH COIL (14) as indicated by an arrow until you can see a micro-plug metal connector. Pull out the plug and keep it safely on the side.



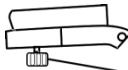
3.1.3 Locate the micro-jack connector in the HANDLE ASSEMBLY (6). Connect the plug and the jack together and align the marks showing on the surface of the jack and plug.



3.1.4 Slide the UPPER STEM (10) towards to the CONTROLLER UNIT. Make sure the direction of the cut slot (of the upper stem) is pulled underneath the support of the controller unit.



3.1.5 Tighten the KNOB (8) which is located under the CONTROLLER UNIT (7).

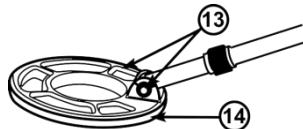


3.1.6 Adjust the LOWER STEM (12) so that when you stand upright with the detector in your hand, the SEARCH COIL (14) is level and about 1/2 to 2 inches above the ground with your arm relaxed at your side.

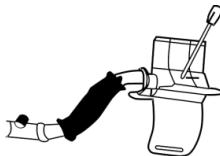


3.1.7 Tighten the STEM LOCK NUT (8) in the reverse direction (counterclockwise) to lock it in place.

3.1.8 Loosen the SEARCH COIL KNOBS (13) at the SEARCH COIL ASSEMBLY (14). Then, 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.



3.1.9 Loosen the screws at the bottom of the ARMREST. Adjust the armrest so that it should be near to the end of your forearm. Re-tighten the screws.

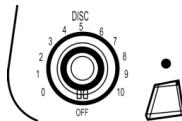


3.2 INSTALLING BATTERIES

You need 6x 1.5V AA alkaline batteries to power your detector.

3.2. Press the POWER button on the control panel to make sure that the detector is OFF.

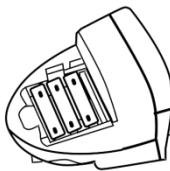
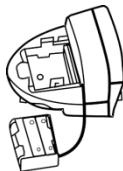
3.2. Turn the Disc dial counter-clockwise to the OFF position to make sure that the detector is OFF.



3.2.2 Slide the battery cover away from the BATTERY COMPARTMENT (9).



3.2.3 Insert the 6 new batteries into the BATTERY COMPARTMENT. Pay attention to the polarity symbols (+ and -) which are marked on the connection terminals of the detector and the batteries. The polarities of the battery must be matched with the polarities of the terminals.



3.2.4 Replace the battery cover.

Cautions:

- Use only new batteries; always replace the old batteries with new batteries.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.
- Never attempt to recharge a non-chargeable battery.
- Dispose old batteries promptly and properly.

3.3 LOW BATTERY ALARM

When the low battery indicator lights up or beeps, the user has to replace the batteries.

3.4 USING A HEADPHONE

You should always use headphones whenever you search with your metal detector. Headphones are especially useful in noisy areas, such as the beach and/or near city areas. It enhances audio perception by bringing the sound directly to your ears while masking the outside noise interference. You will be amazed at how much better you can hear the detector signals with headphones. Using headphones will also save battery power.

To connect a headphone to the detector, insert the headphone's 1/8 inch plug into the HEADPHONE JACK.



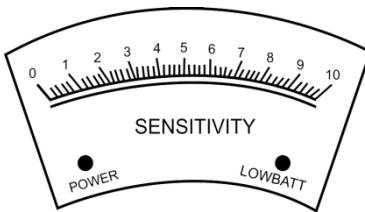
Note:

The detector's internal speaker will be disconnected when you connect a pair of headphones.

4. FUNCTIONS AND INDICATORS

4.1 VIEW METER

The pointer will swing to the right when the unit has made a detection.



4.2 DISC

You can rotate the control from low to high in order to eliminate certain metals.

4.3 SENC

When you have the sensitivity on high, the sensitivity is gradually increased. For general use, you can set the sensitivity to a higher position, but in a mineralized area, or area with electrical interference, it's better to lower the sensitivity.

4.4 MODE SWITCH

ALL - Search for all kinds of metal objects without discrimination.

DISC - The DISC mode can be used in your search and discriminate the target type.

4.5 TARGET

To pinpoint the target, press the button to lower the sensitivity automatically and to locate the target.

5. OPERATION

Your detector has 3 operation modes: ALL, DISC, and TARGET. These are all motion modes. You will have to move the search coil to find your target.

5.1 ALL. This mode is used in general searching. In this mode, the unit will respond to all kinds of metal. This mode will not discriminate any metal types.

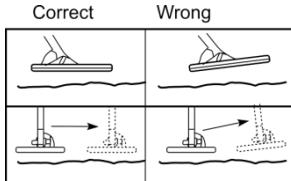
5.2 DISC. This mode will help you to search and discriminate the target type. When your metal detector is in DISC mode, the DISC knob is used to control the discrimination range. When DISC is set to zero, the unit will respond to any metal object. Slowly rotate the control clockwise to the high position to reject metal objects that you don't want. Rotate the control further clockwise to discriminate nickel, zinc, and copper. If you continue to rotate the DISC knob, most metal objects are rejected, except for silver.

5.3 TARGET. The operation mode TARGET is a non-motion mode. It works together with the ALL mode to pinpoint the target accurately at a lower sensitivity. Set MODE switch to ALL, hold the search coil 1 inch or more away from the ground. Press and hold down the TARGET button. Sweep the search coil slowly over the search area and then you will hear a constant beeping sound when the coil approaches the target. Release the button, wait one or two seconds, then press and hold down the TARGET again. Sweep the search coil- this time you will hear the sound once more when the coil is close to the target; release the button here. Repeat the above steps until the unit only sounds in a coil-sized area. Therefore, you will have pinpointed the location and the target metal object should be under your search coil.

5.4 SEARCHING COIL SWEEPING

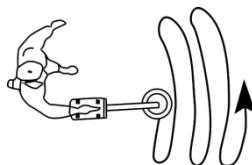
Keep the search coil moving at a comfortable rate. TAKE YOUR TIME. If you walk too fast you will miss a lot of ground. Also if you sweep too fast, you'll lose sensitivity and possibly miss the target.

Keep the search coil parallel to and as close to the ground as possible. This is important for maximum coverage and depth. If you're hunting on a lawn, you can rub the coil right on the grass.



Overlap your sweeps approximately 50%.

Search in a methodical manner sweeping in a tight semicircle. Pay close attention to where you're going and where you've been.



5.5 METAL DETECTOR OPERATORS ETHICS.

Below are few basic rules you should follow while using your metal detector.

Always get permission to hunt on private property

- Always leave a site cleaner than you found it. Take at least some trash with you or, if you can, take it all.
- Always fill in your holes neatly whether you're in a city or remote wilderness. Leave the land as it was before you disturbed it.
- Always obey all laws relating to Treasure Hunting.
- Always return valuable property if you can locate the original owner.
- Always do whatever you can to give the hobby of Treasure Hunting the good image it needs and deserves.

5.6 PLACES WHERE YOU CAN USE YOUR METAL DETECTOR

- National Forest and Federal lands, State parks and lands.
- Corps of engineers, Lakes, shorelines and lands.
- Land Management (BLM) Lands.
- City or country park lands and public school grounds.

6. MAINTENANCE

Your detector doesn't require a lot of care, but there are a few things you should do to keep it in operating condition.

- if you're not going to use it for a while, take the batteries out.
- avoid extreme temperature such as inside a closed car sitting in the sun.

- if you hit or scrub the search coil on the ground, you'll eventually wear off the bottom. Coil replacements are expensive. Instead, invest in an inexpensive coil cover (these are called a skid plate).
- put a cover over the control housing if you're hunting in the rain, fog or dust.
- keep the detector dry and clean. Wipe off the lower stem before sliding it into the upper stem and keep the lock nut treads free of sand and dirt.

7. SPECIFICATIONS

1. BATTERY: 6×1.5V AA alkaline batteries
2. OPERATING CURRENT: STANDBY~30mAh | MAX~80mAh
3. OPERATION VOLTAGE RANGE: 7.2~9.6V
4. OPERATING FREQUENCY: 5.5KHZ
5. SENSITIVITY: Min. 25cm (Test Coin: US¢ 50)
6. TEMPERATURE RANGE: -68°F~130°F
7. SIZE: 21"(L) × 13.5"(W) × 6"(H)
8. GROSS WEIGHT: 2.50kg
9. NET WEIGHT: 1.10kg

To all residents of the European Union:

Important environmental information about this product

The symbol on this unit or the package indicates that the disposal of this unit after its lifecycle could harm the environment.

Do not dispose the unit (or batteries) as unsorted municipal waste: it should be brought to a specialized company for recycling. This unit should be returned to your distributor or to a local recycling service.

Respect the local environmental rules.

If in doubt, contact your local waste disposal authorities.