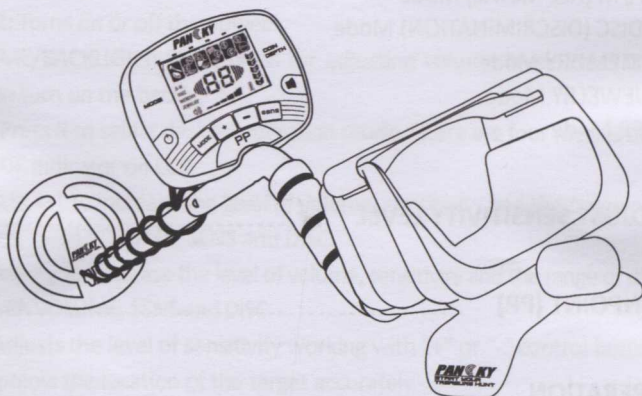


PK-0075 Metal Detector

Owner's Manual



Please read before using the detector

If you have any questions, please contact the email at **support@panky.net**

We will address any problem in a timely manner.

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PK-0075 INTRODUCTION

Thanks for choosing our PK-0075 metal detector. With this metal detector, you can hunt for coins, relics, jewelry, gold, and silver just about anywhere. The detector comes with high sensitivity and strong ability of discrimination. It is versatile and easy to use.

THE DETECTOR'S FEATURES INCLUDE:

LCD Display: Shows the probable type of metal, the depth of the target, range of DISC, the level of SENS, and battery condition. It also has digital display for target ID.

Three Tone Audio Discrimination: Sounds three distinctive tones (high, medium and low) for different types of metal.

Seven Controls:

- **POWER:** Turns on or off the power.
- **VOLUME/BACKLIGHT:** Short press for adjusting volume level. Press it for about 2 seconds to turn on the backlight.
- **MODE:** Press it to select desired operation mode. There are four modes to be selected from MODE indicator on LCD.
- **INCREASE (+):** To increase the level of volume, sensitivity and the range of discrimination working with VOLUME, SENS and DISC.
- **DECREASE (-):** To decrease the level of volume, sensitivity and the range of discrimination working with VOLUME, SENS and DISC.
- **SENS:** Adjusts the level of sensitivity working with "+" or "-" control button.
- **PP:** Pinpoints the location of the target accurately.

Headphone Jack: Lets you connect headphones of 1/8" (3.5mm) and operate without trouble.

10 inch Waterproof Search coil: Lets you use the detector even if you must put it under shallow water.

Adjustable Shaft: Lets you adjust the length of shaft for comfortable use.

Power: The detector requires two 9-volt alkaline batteries (not incl.).

Note: The detector will maintain full performance until the batteries need to be replaced. Replace batteries when there is no segment remaining on battery level indicator. Alkaline batteries should be used

Warning:

- Dispose of old batteries 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 detector for a week or more time, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.

Stand and stretch your arm, holding the metal detector to make the search coil above the ground for about 1 to 2 inches.

USING HEADPHONES

- 01 It is recommended to choose the headphones with volume control.
- 02 Insert the headphones' 1/8" (3.5mm) plug into the headphone jack at the bottom of the control box. At this time the internal speaker disconnects.

USING BACKLIGHT

In dark area, you can use BACKLIGHT for better searching.

Press **VOLUME/BACKLIGHT** button for about 2 seconds to turn on the backlight. Long press it again to turn the light off.

NOTE

- 01 To save power, the backlight will turn off automatically after 10 minutes.
- 02 As the light consumes more power, it's better to turn off the backlight in normal environment

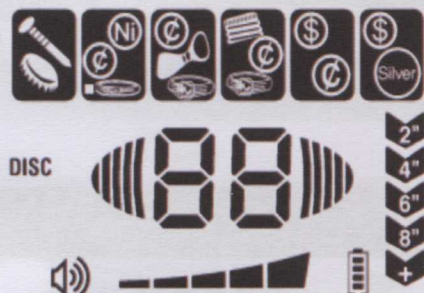
02 DISC (DISCRIMINATION) MODE

The DISC mode can eliminate the unwanted metal targets and works with "+".

A Press **MODE** to select **DISC**. **DISC** is displayed on **LCD**. This means **DISC** mode is selected.

B Press "+" to eliminate the unwanted target(s) in sequence from left to right. The eliminated target icon(s) will disappear on **LCD**. The detector will not detect such target(s). User can select several targets to be eliminated by using **DISC** mode. But silver target such as one dollar coin or 25 cent can't be eliminated. Because they are valuable

C To pick up the eliminated target ID, simply press "-" and the recovered target icon(s) will be displayed again on **LCD**.



03 MEMORY MODE

The detector is designed to detect the only memorized metal target.

Press **MODE** to select **MEMORY**. **MEMORY** is displayed on **LCD**. This means **MEMORY** mode is selected.

This mode is designed to detect the only memorized metal target. For example, if you want to find 1cent coin, sweep a sample of 1cent over the search coil. The detector will memorize the target. **LCD** only displays the memorized target icon and other target icons will be removed. In this case the detector will only detect 1cent coin and will have no response to other metal targets.



04 JEWELRY MODE

This does not mean that the detector will search only for jewelry while in **JEWELRY Mode**. It simply indicates that the discrimination pattern is optimized for locating most jewelry items. The **JEWELRY** mode will still find coins, relics and other non-jewelry items. It ignores most nails and small iron pieces automatically.



05 PP MODE

01 Press **PP button**, "PP" on **LCD** flashes. When **LCD** displays steady "PP", you can start to move the search coil slowly above the sound area. If the detector finds the target, it sounds a tone. Also the digital value of the target and depth are displayed on **LCD**.

02 Press **PP button** again. After steady "PP" displays, sweep the search coil,

keeping the same distance of search coil, sound disappears. Closer the search coil to the sound area, the detector sounds again.

Repeat the above steps until the detector displays the constant signal where the location of the target is.

ADJUST SENSITIVITY LEVEL

The **PK-0075** metal detector are highly sensitive and have adjustable sensitivity.

Setting the correct sensitivity level for individual detecting conditions will maximize the detection depth. It also helps to reduce interference items and reduce noise. Improve the accuracy of metal detection.

Press **SENS**, then + or – to increase or decrease the sensitivity.

- 01** Hold the coil stationary, then use the Sensitivity Plus button to increase the sensitivity until false signals begin to occur.
- 02** Reduce the sensitivity level by pressing the Sensitivity Minus button, just enough that the false signals disappear.
- 03** Sweep the coil over a clear patch of ground, and reduce the Sensitivity Level further if any ground noise is encountered.

PINPOINT (PP)

After you find a metal object, you can use PP to pinpoint the target.

PRESS PP BUTTON

“PP” on LCD flashes. When LCD displays steady **“PP”**, you can start to move the search coil slowly above the sound area. If the detector finds the target, it sounds a tone. Also the digital value of the target and depth are displayed on LCD.

PRESS PP BUTTON AGAIN

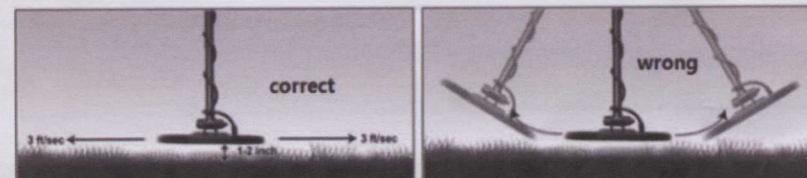
After steady **“PP”** displays, sweep the search coil, keeping the same distance of search coil, sound disappears. Closer the search coil to the sound area, the detector sounds again.

Repeat the above steps until the detector displays the constant signal where the location of the target is.

OPERATION

Hold the search coil level to the ground about 1~2 inches above the surface, slowly move the search coil over the area where you placed the sample, sweeping the search coil in a side-to-side motion.

- 01** 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.



- 02** Sweep slowly, hurrying will cause you to miss targets.
- 03** It's 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

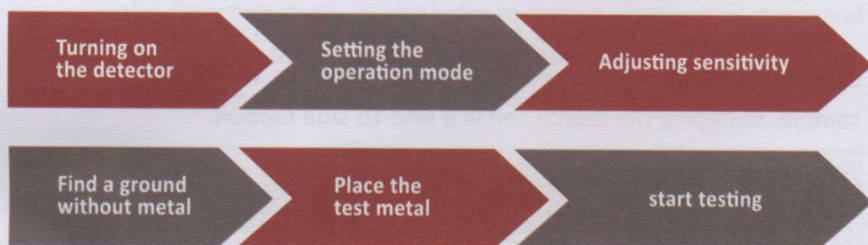
If the detector detects the item, it sounds a tone, and the target icon flashes. Also LCD displays the digital value of target as well as the depth.

If the detector does not detect the item, make sure that the mode is set correctly for the type of metal you're searching for. Also 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.normal environment.

TEST STEPS



TARGET INDICATIONS

Target	Iron	5 cent Nickel Jewelry	Pull tab Jewelry	1cent/zinc S-caps Jewelry	10 cent Copper coin	25 cent Silver coin
Tone	Low	Low	Medium	Medium	High	High
ID Display						
Digital value	10-40	41-50	55-70	72-75	80-83	86-88

NOTES:

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

FACTORS THAT AFFECT THE DETECTING

It's difficult to have an accurate detecting result. Sometimes the detecting may be restricted by some factors:

- 01 The angle of the target buried in the soil.
- 02 The depth of the target.
- 03 The level of oxidization of the target.
- 04 The size of the target.
- 05 Electro-magnetic and electrical interference surrounding the target.

In area of highly mineralized ground, or fertile ground, or wet sand, the detector will sound even if there is no metal. In this case, you can lower the sensitivity. Meantime enhance the distance between the search coil and the ground.

Metallic digging tools will also affect the detection if they are near the search coil. So it's better place them a little far away.

TROUBLESHOOTING GUIDE

Problem	Reason	Suggestion
The detector displays or sounds without detecting any target	<ol style="list-style-type: none"> 1.The detector may receive interference and false signal from broadcast antenna and other electronic lines 2.The humidity of environment may be extremely high 	<ol style="list-style-type: none"> 1.Change searching place 2.Wait for some time to check again
The detector sounds false signals.	<ol style="list-style-type: none"> 1.Sensitivity set too high/ environmental electromagnetic interference 2.Sweeping the detector's search coil too fast or at wrong angle 3.Using 2 detectors in close proximity 	<ol style="list-style-type: none"> 1.Reduce sensitivity 2.Sweep the search coil more slowly and hold the detector correctly 3.Keep two detectors at least 6 meters(20') apart
The detector does not detect anything	<ol style="list-style-type: none"> 1.Sensitivity set too low 2.Target range is eliminated 3.Search coil is not parallel to the ground 	<ol style="list-style-type: none"> 1.Increase sensitivity 2.Recover all target range 3.Adjust the search coil angel to be parallel to the ground
LCD display multiple target categories or emits several sounds at once	<ol style="list-style-type: none"> 1.There may be over one kind of metal targets 2.The detector can't identify the target. Sometimes, oxidized metal also causes the excursion of target arrow and tone. 	<ol style="list-style-type: none"> 1.Reduce the sensitivity to eliminate the detection of the deeper target 2.Sweep the search coil with different angles
The detector does not function.	<ol style="list-style-type: none"> 1.Five-pin cable not connected well 2.Dead battery 	<ol style="list-style-type: none"> 1.Re-plug it properly 2.Replace batteries