

TORA TORA

Long Range Locator

Operation Manual

TECHNICAL CHARACTERISTICS

32 byte processor

1 Hz distance manual frequency selection

64 x 128 pixel solubility

Charged complementary battery

Compact designed main unit without cable

Push button controller

Distance up to 2000 m range

Programs aimed at Gold, silver, bronze,
copper, aluminum, jewelry, lead, iron, water
space and free mod

Signal receiver containing amplificatory

Target weight control – WCC % L rods

Receiver antenna is not affected from

Oxidation from PH of human skin

Frequency balancing system

According to nature of ground

Dear Customers, thank you for choosing our product named **MINI HURRICANE - Long Range Locator**. We recommend you to read this operation guide very carefully in order to understand how the unit works and then to make a test to acquire experience. This is a scientific and electronic device and all the instructions in the operation manual are required to be complied with. We wish you the best of all in your business.

WARNING! READ BEFORE YOU OPERATE THE DEVICE

The information in this manual may be changed without notifying before.

General Data

Like in any electronic devices, MINI HURRICANE – Long Range Locator is to be used very carefully. Care should be taken of the bronze legs. It is to be used carefully and not to be bent. No overpower is to be used for connectors.

Injury

MINI HURRICANE – Long Range Locator does not generally cause injury when operated normally. Since the frequency signals of MINI HURRICANE – Long Range Locator are basically low in power, they do not threaten human body. Keep away from children as you do for electronic devices. Maximum care should be taken when handling the rods; they may harm the user's eyes, therefore be careful when handling or using them.

Repair

All the repairs to incur from technical defects are free of charge for a period of two (2) years starting from the date you purchase the product. Please refer to your retailer for your questions regarding the services or questions regarding the product. The unit shall be examined by a qualified technician and repaired if necessary. After two years, all repairs are to be charged.

In case you damage the product or open its box, guarantee is no more valid.

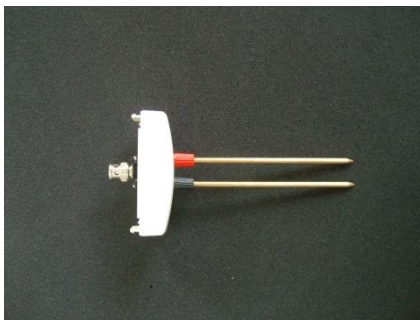
DETECTION RANGE


MINI HURRICANE – Long Range Locator’s range may vary due to various reasons. First and the most important variety is the size of the target. As the target becomes larger, the range expands. This is followed by ground conditions (electrolytes if any) and the term it stays in ground. Another factor that improves the operation performance of **MINI HURRICANE** – Long Range Locator is the chemical change in the ground that surrounds the target. Whether the object itself or its enclosure, targets with the tendency to oxidize, create stronger signals. Due to this oxidizing factor, the target presents stronger potential to strengthen the signal diffused by **MINI HURRICANE** – Long Range Locator. Therefore the object which is in the ground for a longer time, absorbs the signal at a higher rate than the recently buried one; the truth is some new targets react faintly or do not react at all. The activity of intense sun storm may result in minimizing the range at lower level. Maximum range is 2000 meters.

LOCATOR SETTINGS

MINI HURRICANE – Long Range Locator has been made automatic through computer technology.

Mount the bronze legs into the main unit and then bury (push) the main unit with bronze legs into the ground, be sure that contact with ground is balanced, if not balanced, moisten the ground lightly in order to provide better electrical contact.

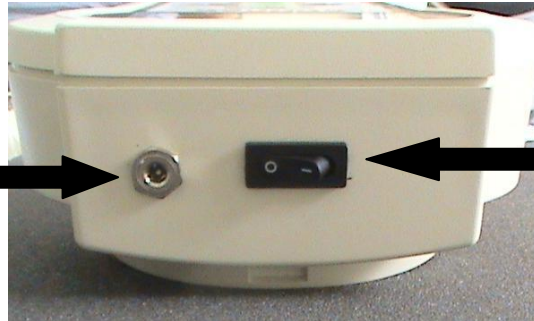


Turn the 'POWER ON' button to (1). Put the device in operating position by pressing the on/off  the main unit. The product shall start to operate directly at Mode – 1 GOLD.


12 v Charge input

CAUTION:

CHARGE THE PRODUCT IN OFF POSITION.



For starting the product, turn the POWER ON button to (1).

You may change the kind of metal by using the  Mode button.

Frequency rates are automatically set according to each metal kind. You may change the frequency rates each by 0.1 KHz. MINI HURRICANE – Long Range Locator transfers among the following listed element programs, it constantly balances the signal entered according to ground type due to its memory frequency characteristic.



The product sets itself automatically according to the ground type due to its frequency balancing character and removes the misleads incurred from irregularities of frequency in your works.

Mode 1 – GOLD 5.00 KHz: Low frequencies in gold spectrum attract natural gold metal between 4.9 -5.1 KHz; at 5.2 – 5.3 KHz rods react to human-made golden objects between 18-22 carats. 5.4 – 5.5 KHz frequencies may attract jewelries of lower carats. Therefore it should be checked than once at different frequencies. If double check is to be made,

MINI HURRICANE – Long Range Locator is set to 5.00 KHz and after waiting for 5 minutes, scanning is started again, if the rods, show, then it is metal.

Mode 2 – SILVER (SILVER MODE) 8.70 KHz

Mode 3 – BRONZE (BRONZE MODE) 11.30 KHz

Mode 4 – COPPER (COPPER MODE) 11.70 KHz

Mode 5 – ALUMIN. (ALUMINUM MODE) 7.00 KHz

Mode 6 – DIAMOND (JEWELRY MODE) 12.70 KHz

Mode 7 – LEAD (LEAD MODE) 4.25 KHz

Mode 8 – IRON (IRON MODE) 17.00 KHz

Mode 9 – WATER (WATER MODU) 10.00 KHz

Mode 10 –VOID (VOID MODE) 0.70 KHz

Mode 11 – FREE (FREE MODE) : 0-20.00 KHz (This is the mode that the user may select the desired frequency manually to be tested by using the arrow buttons).

As you can see, for setting the MINI HURRICANE – Long Range Locator, the name of the element is specified as well as the molecular frequency at KHz unit. Since the human factor has a great effect, the above frequencies are to be tested. However in accurate adjustments, by using arrow buttons through tests made with simple trials, frequency offers accuracy for all the operators. Thanks to its Frequency balancing character, it balances the signal rate required to be present in the metal and the frequencies of the device varying according to the nature of the ground which avoid misleading.

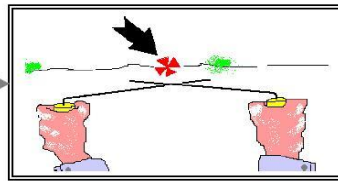
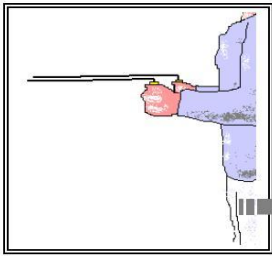
Rods are held generally at the waist level in front of the user in stable and balanced position. They are held about 8-18 cm apart from but in parallel with each other and pointing ahead. The individual is to find the distance which is the most suitable for him. This decision is reached by trial and error method. Try to remember that calm person may operate the equipment more successfully than the stressed person.

Indicator rods are fitted to the power module in order to complete the required set receiver cycle. This circle is constituted by coordination of assembly of body capacitance of the operator and the inductive elements of power module.

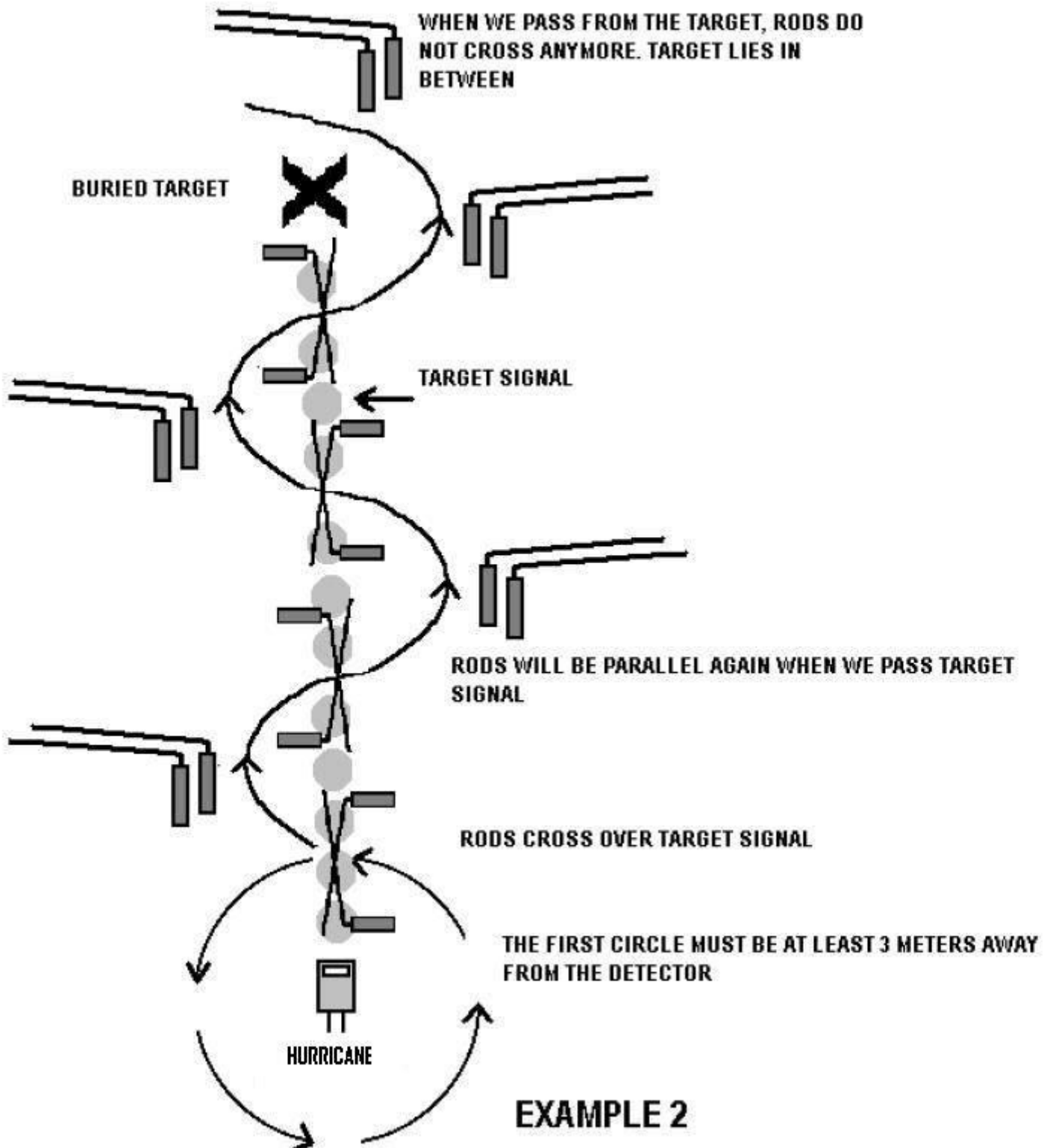
CAUTION: The purpose of power module is to operate the antenna rods. The unit includes 9VDC battery as power source. Together with Rods, the status of battery is indicated in case of short circuit, if there is no sound then the battery is to be replaced. In order to replace the 9 volts battery, open the bottom cover by turning. When the receiver antenna rods are fitted in the power socket, power module works. When the Rods are not used, take them out from the power module. If the power module is kept with rods fitted, the battery is discharged. When the Rods are fitted on the module, they should not contact each other, otherwise the battery suffers short circuit.

This cycle acts passive until the operator walks actually on the transmittance line between the MINI HURRICANE – Long Range Locator and the target. This RF(radio frequency) power received from the transmittance line communicates with the operator cycle LC (Inductive-Capacitance). At this point reaction is created when the operator takes a step on the signal line between the MINI HURRICANE – Long Range Locator and the target where the rods attract each other, in other words they are absolutely at the same line and level with each other. This procedure transmits actually to the operator that the desired target is within the range of MINI HURRICANE – Long Range Locator.





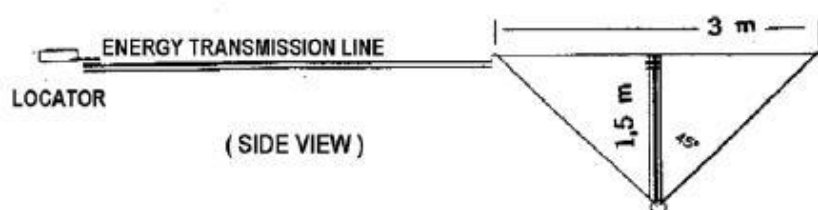
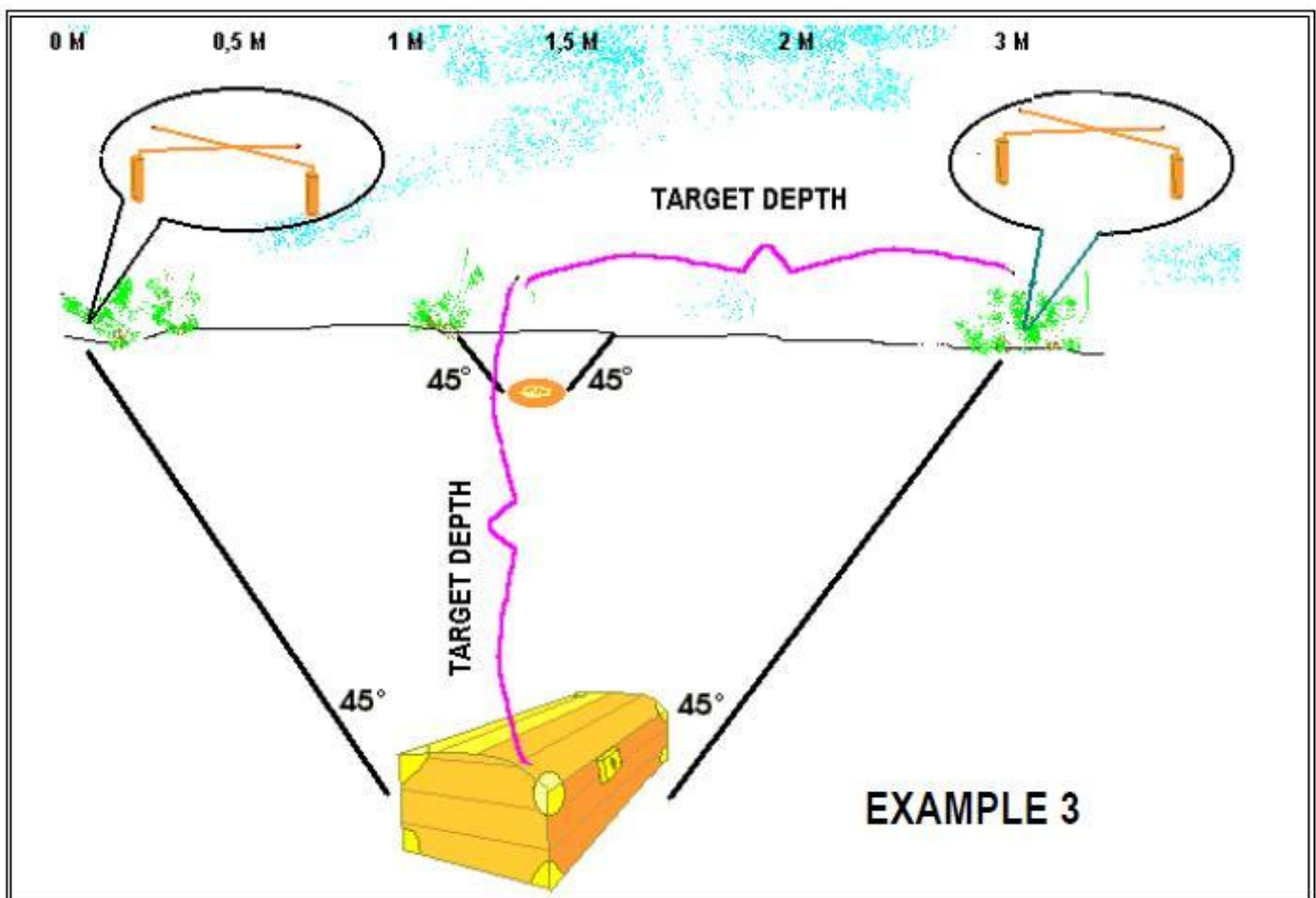
EXAMPLE 1: In order to increase accuracy, hold the rods parallel to ground or in order to maintain the balance, slightly downwards.



DETERMINING THE DEPTH

When the MINI HURRICANE – Long Range Locator is off, in order to determine the depth of suitable target, mark the points of intersection of rods from minimum two opposite directions to the supposed target, for example North-south, as soon as rods reach the power zone of target.

Half of the distance between the 2 opposite indicators is the approximate target depth. In Example 3, it is 1.5 meters. However this is not valid for shallow targets. Take into consideration that the target power zone consists of 45 degrees of cone. For determining the depth, it is not necessary to operate the main unit of MINI HURRICANE – Long Range Locator but it is required to make the target visible from a specific distance and to constitute a transmitting line that serves as a path for the operator.



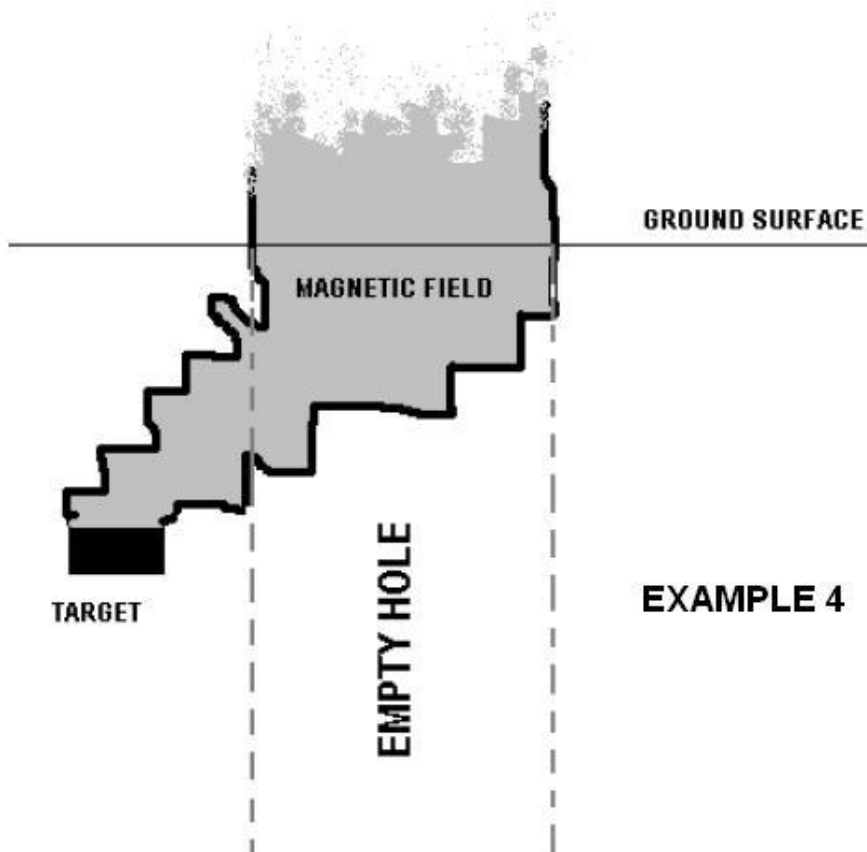
EXCAVATION

The magnetic zone arising from the target specified on the ground surface does not necessarily rise vertically to the surface all through the target. Due to interference caused by sun storms or other magnetic zones, the zone of the target may rise with a specified angle from the ground. The target or the direction of angle is not always fixed; therefore accurate target locating cannot be made within the diameter of the zone that surrounds the surface area, the depth of which is almost equal.

Thus the deep the target is, the distant our location on the surface may be from the target. Digging vertically from the surface may result in an empty hollow.

The magnetic area of the target starts to rise vertically when the magnetic zone of the target enters the atmosphere on the area surface. Example 4.

When you start digging, set the MINI HURRICANE – Long Range Locator 15-20 m from the position you stand and start it. When you dig almost 1 m, you understand that the signal line in your position moves from one direction to the other. If this is not the case, then re-position the MINI HURRICANE – Long Range Locator to 90° and see if there is a movement at this direction. If the signal line moves, continue the digging only at the direction the signal moves. As the digging becomes deeper, the magnetic zone and the signal line approach the target more.



GENERAL MEASURES

- Read the operation guide carefully and obey all the instructions
- The ground sounding legs should not contact with a metal object. During storage, be careful in taking out the sounding line.
- Do not use improper power source. Otherwise unit shall be damaged.
- It does not contain parts that can be repaired by the user. In case you try to open the box, guarantee loses its validity.
- “L” rods, when rotating, may injure your eyes.
- Check if the ground legs are clean, any dirt should be cleaned.
- Do not operate the unit on dirty days. The unit is not waterproof and may not operate.
- Do not store the unit under direct sunlight or do not operate at temperature over 40°C.
- Outer parts should be wiped with a damp cloth and the rods should be cleaned carefully, then dried. **DO NOT USE ANY SOLVENT OR CLEANING AGENT** in any part of the detector, especially on the detector.