





Contain Parkway Grand Prairie, TX 75050 800.847.8269

"Ground EFX" and "Swarm" are TM trademarks of WGI Innovations, LTD. "Sport Responsible" is a TM trademark of WGI Innovations, LTD.

Sport Responsil

*



Model # MX200

Table of Contents

Terms 3-4
Contents 5-6
Assembly 7-10
LCD Navigation Display 11
Category Value 12
How it Works 13-16
Detector Modes 17-18
How to Detect 19-20
GPS 21-22
Warning 23
Courtesy 24
Audio Features 25
Tone Recognition
Trouble Shooting 27
Warranty/Services 28
FCC Statement

TERMS TO KNOW

The terms below are standard words found within this manual and the detector.

DISCRIMINATION

Discriminating allows you to choose the metals you want to detect and the ones you want to "eliminate" or not look for. Discrimination makes it easier to avoid trash or other undesirable objects. Once it detects a metal it will categorize it to one of the metals you chose to detect for.

IRON

Iron is the most common metal used. It has been used since ancient times because of how abundant it is. Ferrous metals are made up of iron. Objects that are ferrous metals are; nails, bolts, stainless steel and cast iron.

PINPOINT

A narrow detection that tells you the exact location of the object that is buried.

PULL-TABS

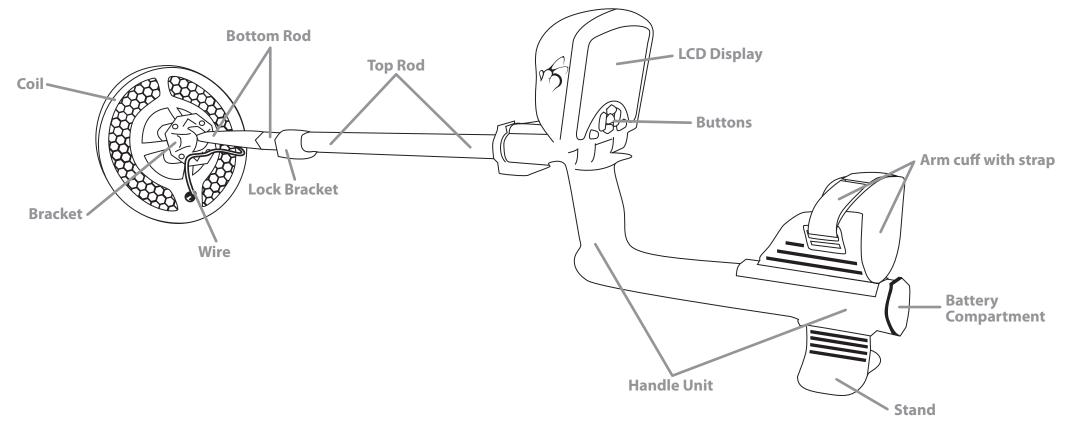
Also known as "pop tops." Discarded pull-tabs come from beverage cans. They can be all different shapes and sizes. They are primarily made of aluminum, which can be bothersome to many treasure hunters.

GROUND GRAB

All soils contain minerals. Signals from ground minerals interfere with the signals from metal objects. If metal is detected in this mode it will make a sound. It doesn't detect any of earth's natural minerals so you can get a more accurate reading on what you find.



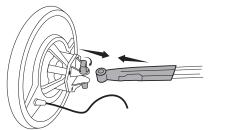
User Manual





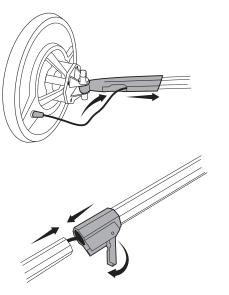
Assembling the coil unit

Remove the plastic bolts on the top of the coil. Fit the bottom rod inside the bracket on the coil. Insert the plastic bolts into the bracket and through the bottom rod. Then tighten but do not over tighten.



Thread the wire connected to the coil through the bottom rod.

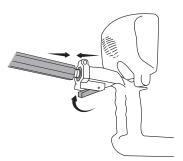
Then, thread the wire through the top rod. Now, connect the rods by sliding the bottom rod into the top rod where the lock bracket is located. When they are connected at the desired length, pull down the lock bracket latch to lock them into place.



2 Assembling the handle unit

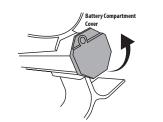
Take the male end of the threaded wire from the coil unit and plug it into the female plug on the handle unit. Be careful to align the white indicator arrow on the male end of the wire with the alignment arrow or the bottom of the handle unit to ensure proper connection.

After the wire is snapped into place, insert the rod of the coil unit into the handle unit. Once inserted, pull up the latch to lock into place. Make sure everything is secured into place before use.

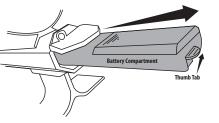




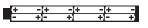
3 Installing Batteries Lift the battery compartment cover.



Pull up on the small thumb tab to release battery compartment. Pull the battery compartment out of the unit.



Slide the battery compartment door back to remove. Insert 8x AA alkaline batteries. Replace the battery compartment door and insert the battery compartment back into the unit. Make sure the battery compartment cover is sealed completely.



Batter Compartment

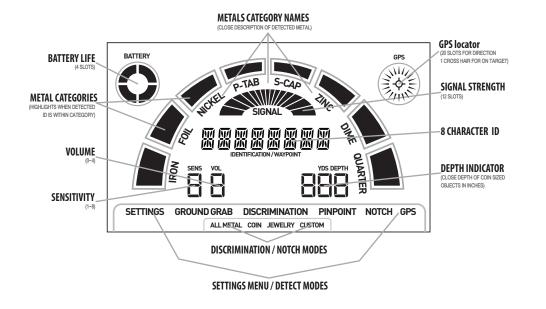
4 Adjusting the display

To adjust the display, tilt the display forward or back to your desired placement. It should stay throughout use. The display may need additional adjustment in very bright or very dark environments.

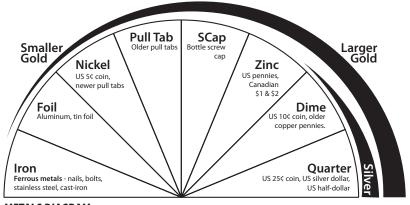


Caution: Never mix old and new batteries. Never mix alkaline, carbon-zinc or rechargeable batteries.





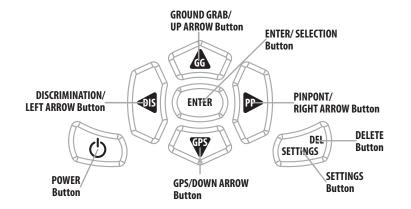




METALS DIAGRAM * Silver and Gold can be in multiple spectrums

The Category Value accurately provides specific categories to help identify a buried object. Coins will most likely have a similar value with each pass with the coil due to their round shape. Gold and silver can actually be detected in various category values due to their metallic qualities. Smaller gold or silver objects will have a different value than larger gold or silver objects. Trash objects can give off a different value each time you pass over it. The angle of the detector can affect the identification of an object as well. If you decide to test the detector by waving a coin over the coil, wave it with the flat side parallel to the coil; this position is how you will find most buried coins.





<u>Ground Grab</u>

- Press "GG" to enter "Ground Grab" Mode

- Press "ENTER" to Grab

Discrimination

- Press "DIS" to enter "Discrimination" Mode (This mode uses your last Settings to detect)

<u>Pin Point</u>

- Press and hold "PP" to enter "Pin Point" Mode

<u>Settings</u>

- Press "SETTINGS" to enter "Settings" Mode

- Press 🐠 📂 to move to "Settings"
- Press "ENTER" to enter "Settings"
- Press 🐠 🍽 to move between Volume and Sensitivity
- Press while Volume is selected to change Volume
- Press while Sensitivity is selected to change Sensitivity
- Press "ENTER" to detect in current settings

HOW IT WORKS

Discrimination Settings

- Press "SETTINGS" to enter "Settings" Mode

- Press 🐠 🖻 to move to "Discrimination"

- Press "ENTER"

- Press to eliminate metal starting from left to right

- Press "ENTER" to detect in current settings
- Changing this automatically changes your Notch mode to All Metal

Notch Settings

- Press "SETTINGS" to enter "Settings" Mode

- Press 🐗 🗈 to move to "Notch"
- Press "ENTER"
- Press < 🕨 to move between Modes (All Metal, Coin, Jewelry or Custom)
- Press "ENTER" to detect in selected mode
- When Custom Mode is selected, Press 🐗 🗭 to move between metals
- Press to eliminate blinking metal from detection
- Press **"ENTER"** to detect in current settings
- Changing this automatically sets current settings in Discrimination mode until changed

You will then be returned to Save/Waypoint options

Waypoint: Press "ENTER" on a saved Location to activate GPS function

Press 🕫 🖻 to the saved waypoint you would like to go to

On selected waypoint press **"ENTER"** and it will show you the Yard metter that tells you how far it is to the desired location

To delete a waypoint press, hold down the **"DEL"** button for 3 seconds to Delete selected location

Press 🐗 🗈 to switch to another Waypoint

- Press and hold down the "GPS" button for 3 seconds to exit out of the "GPS" Mode or press the "POWER" button to turn it off.

DETECTOR MODES

Ground Grab

All soils contain minerals. Signals from ground minerals interfere with the signals from metal objects. All soils differ, and can differ greatly, in the type and amount of ground minerals present. This detector incorporates ground balancing algorithms which eliminate interference caused by the ground minerals found in most soils. We therefore recommend that you use GROUND GRAB to most accurately calibrate the detector to the specific ground conditions where you are hunting.



This process will maximize the detector's target identification accuracy and depth detection capability.

The Steps is as follows:

1. Find a patch of ground which is free of metal. Use the DISCRIMINATION mode, with no targets discriminated out.

2. Enter into GG mode of operation, LCD shows 'Start'

faster sweeping motion has a higher sensitivity.

3. Hold the detector with the search coil a foot or two above the ground.

4. Press center button to active ground grab process, LCD shows 'GRABING'.

5. With 'Grabing' showing on lcd display, Lower the searchcoil down to within 2 inches of the ground. 6. After successfully ground balancing, It shows 'GRAB OK', and quit to detecting mode automatically. If 'GRAB ER' appears, maybe the ground is too dirty with metal trash or just wet salt soil. Find another clean place ground grab again till it is grab ok.

Ground grab results is crucial to the performance of PP mode.

Discrimination

Pick the discrimination mode you want to detect in. Keep the coil parallel to the ground moving it from left to right with a stable speed. Out of the metals highlighted it will categorize the metal detected so you are aware of what metal is buried. It will inform you in two ways; 1. by highlighting the metal detected and 2. a tone response. Discrimination identification accuracy can be influenced by moisture and

temperature. The coil sweeping speed can also affect discrimination, generally

Mar Mar Market Market

Pinpointing

Pinpoint does a narrow search that will give you the exact location of a buried object. It will identify an object by a signal and tone response. Press and hold down the "PP" button to activate the pinpoint function. Once activated, sweep the coil over the target area in an "X" pattern. Make a visual note of the place on the ground where the strongest signal is identified. Then dig in the center of the "X." To deactivate the pinpoint function, simply release the "PP" button. The metal detector will automatically default back into discrimination mode.



Notch Modes

When in Notch there are three options:

All Metals: Use this mode if you are looking for a wide range of objects. It is designed to find all metal objects.

Coin: When using this mode it will show you the metals found in coins. It is designed to find all types of coins and eliminate trash objects such as iron and foil.

Jewelry: When in this mode it will show you the metals common in jewelry. It is designed to find jewelry such as rings, bracelets, watches and necklaces.

Custom: Use this mode if you want to choose the specific metals to search for . It is designed for you to find certain metal objects that you programmed it to.

When an object is detected it will highlight the name of the metal found as well as use a tone that identifies the metal.





GPS

The GPS mode allows you to save certain locations that you are wanting to return to later. The farthest it will read you from your saved location is 999 yds. The closer you get to the saved spot the lower the number will go, 000 yds means you've reached your spot.





Power ON by pushing the "POWER" button.

Press the "SETTINGS" button to change the STEP Sensitivity and Volume (default is 8/4). Press "ENTER" to save the changes made.

STEP 3

2

Press the "SETTINGS" button. There will be two options to choose from:

OPTION 1:

Use the "<" and ">" arrow keys to the Discrimination option and press the "ENTER" button to select. While in Discrimination you can eliminate metals you do not want to detect by using the " Λ " and "√" arrow keys. Press "ENTER" to save.

OPTION 2:

Use the "<" and ">" arrow keys to the Notch option and press the "ENTER" button to select. While in Notch you can eliminate certain metals by selecting either All Metal, Coin or Jewelry. Use the "<" and ">" arrow keys to scroll to the option you want. Press "ENTER" to save.

Press the "GG" button to calibrate the metal STEP detector to the soil composition you are detecting in. Then press "ENTER" to activate Ground Grab Mode. Display will show "Grab ok" when ground grab is completed. If "Grab ER" shows, there may be a metal object underground, find another clean area nearby to retry ground grab.



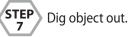
While in Discrimination Mode keep the coil parallel to the ground moving it from left to right with a stable speed. If it finds something it will highlight the metal found and give off a certain tone (refer to page 24).





When a metal is detected press and hold the "PP" button. Sweep the coil over the target in an "X" pattern. While in PinPoint it will show you the depth of the metal found, so you can accurately know how far down to dig. To deactivate pinpoint mode, simply release the "PP" button.







Once the object is found, fill the hole back up to the way you found it.



STEP

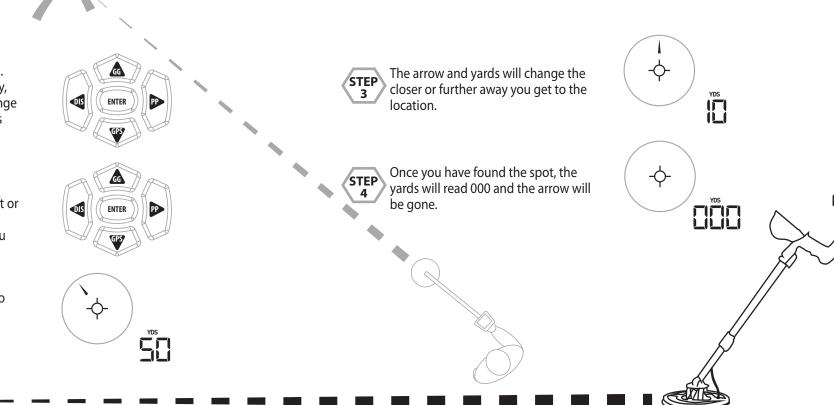
To save a location press the "GPS" button. The option Save should be on the display, push "ENTER". Use the arrow keys to change or add letters to name the location. Press the "ENTER" button to save.



To go back to a saved location press the "GPS" button to enter GPS mode. Scroll down to Waypoint and then push the left or right button to scroll through saved locations. When you find the location you want press the "ENTER" button.



The GPS will show you which direction to go and how many yards to the location.





All metal detector's may discover objects that can cause personal injury if struck. For example; power lines, explosives, gas lines, etc. When searching for treasure, first observe these precautions:

Do not use detector where you think there might be electrical lines or pipes buried below the surface.

Do not use detector in a military area where bombs or other explosives were once buried.

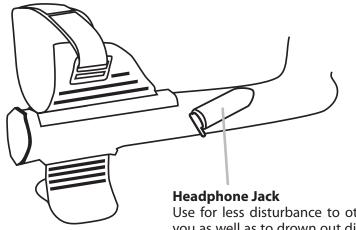
Avoid striking any lines that are or could be electrically powered.

Keep away from pipelines they could be carrying flammable gas or liquid.



- Fill holes
- Obey NO TRESPASSING signs
- Respect private and public property
- Obey all laws
- Do not cause any willful damage to property
- Do not destroy property
- Pick up after yourself, do not leave trash





Use for less disturbance to others around you as well as to drown out distractions so you can hear the tones better.



There are four tones that will help you to identify the material the detector has found:

Bass Tone

Ferrous metals, for example nails, bolts, stainless steel, cast iron and the smallest amount of gold.

Low Tone

Foil, aluminum, tin foil, nickels, newer pull tabs and small amounts of gold.

Medium Tone

Older pull-tabs, bottle screw caps, newer US pennies & Canadian \$1 and \$2 made from zinc, smallest amount of silver and large amounts of gold.

High Tone

Dimes, older copper pennies, US quarters, US silver dollar, US half dollar, largest amount of silver and largest amount of gold.



PROBLEM	SOLUTION
Won't turn ON, there is no sound	 Check to ensure that you are using new batteries.
	 Check to see if the batteries were placed in the correct positions.
	 Check the connection of the wire from the rod to the handle unit.
Abnormal/erratic	Outdoor use only.
Sounds	 Stay away from power lines, benches, wire fences and other metal detectors that can cause false readings.
	Reduce the sensitivity level.
It is not detecting the selected target	 Check that the Mode you wanted is selected.
	 The All-metals mode allows you to search for all metals so you will not miss the one you are looking for.

DISCLAIMERS

WGI Innovations, LTD is not responsible for damage, expense or injury caused by the unauthorized use of, alterations to, improper connection of and abuse or neglect of the WGI Innovations[™] products.

WARRANTY

You must register your product warranty online at www.wildgameinnovations.com. Follow the onscreen directions to complete the process.

WGI Innovations, LTD will replace any product that may encounter material or workmanship defects free of charge for ONE (1) YEAR after the date of purchase and thereafter the cost will vary per incident.

This warranty DOES NOT COVER damage, expense or injury caused by unauthorized repairs, alterations, improper connection, shipping, abuse, theft, accident, neglect or collateral loss.

When returning product for service you MUST obtain a Return Merchandise Authorization (RMA) number from WGI Innovations, LTD. Please include name, UPS address (no P.O. Box), telephone number, RMA number and a complete description of the problem on all enclosed correspondence. When possible, pack product carefully in original carton. Customers are responsible for any shipping cost to WGI Innovations[™]. WGI Innovations will pay shipping cost of replacement product to the customer. We are not responsible for damage incurred in returning items for repair.

CUSTOMER SERVICE

WGI Innovations, LTD stands behind every product we manufacture for a one year product workmanship warranty and a strong commitment to customer service. If you are in need of customer service for missing parts or need assistance with the operation or assembly of your product, we encourage you to call one of our customer service representatives and let us assist you with your WGI Innovations[™] product.

DISCLAIMER

WGI Innovations, LTD reserves the right to make changes to product features, functionality and physical design at its sole discretion. As a result, such changes may not be reflected in this version of the manual.

FCC STATEMENT

Product Name: Metal Detector Trade Name: Ground EFX Model# MX200

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two criteria: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.