

GOLDXTRA

USER MANUAL



WHY TGX ?

TGX-PRO is based on “Pulse Induction Technology” that provides the best performance in tough mineralized ground.

LEGAL DISCLAIMERS

Always follow the laws and rules related to metal detector use when using this device. Do not use it without permission at protected or archaeological sites.

Avoid using it near unexploded ordnance or in restricted military areas without authorization. If you discover any historically or culturally significant artifacts, inform the relevant authorities with the necessary details.

ATTENTION

- This is an advanced instrument.
- Read the manual before using the detector.
- Handle the detector carefully to avoid damage.
- Don't heat the coils with a direct heat source.
- Be gentle with the LCD and body of the device.
- Charge the device completely before using it.
- Set the ground balance of a detector before starting detection.
- Don't store the device in extremely hot or cold places.
- Keep the device away from strong magnetic fields while using it.

IMPORTANT

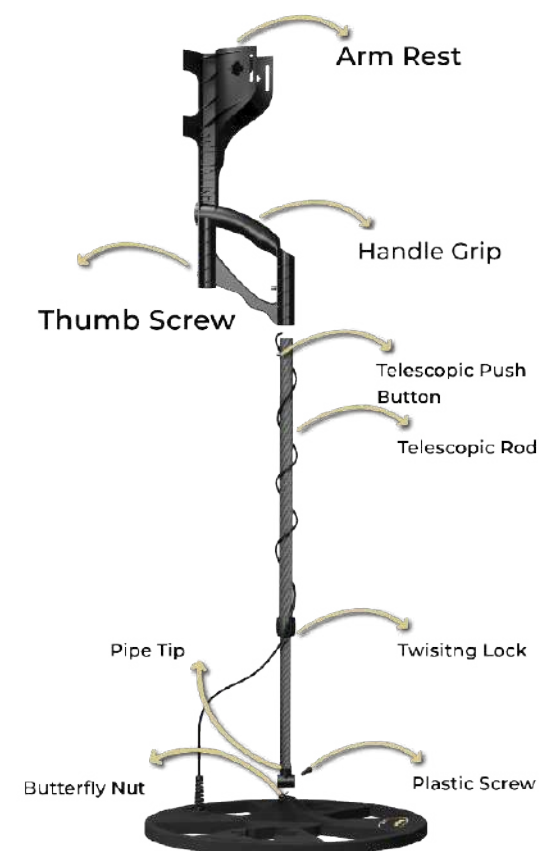
- Only use the device outdoors to avoid false signals from indoor metals.
- Keep other metal detectors or electromagnetic devices away from your device.
- Don't carry metal objects and keep the device away from your shoes to prevent false readings.

ASSEMBLY

The device is very easy to assemble. Follow these steps:

Fully charge your metal detector before assembly.

- Clip the neck strap onto the control unit to hold it.
- Attach the shaft to the armrest.
- Tighten the thumb screw.
- Make sure there are washers at the tip of the shaft for stability.
- Insert the shaft's tip into the coil and tighten the securing screw.
- Adjust the shaft's length to suit your height (50 cm to 90 cm).
- Attach the chosen coil (TP-45 or IC-125) to the shaft.
- If using the IC-125 coil, also attach the rope.
- Connect the coil to the control unit and turn on the metal detector to begin using it.
- If using FC-127 coil attach belts.



MODELS

TGX-PRO PLUS

TGX-PRO PLUS includes all the features of the TGX-PRO and additionally it comes with :

- GoldXtra app to use additional features.
- GRAPH that allows you to visualize the real time detection of the detector.
- HEATMAP that allows you to plot detection areas on a 10x10 square map.
- A Tablet that comes with the GoldXtra app built-in so that you can visualize all the data on a big screen.
- An Inflatable Coil instead of Foldable Coil.
- Air Pump as power bank for battery backup.

TGX-PRO

Pulse induction technology, like the one in TGX-PRO, is great for finding valuable metals like gold. Even in places with lots of minerals, TGX-PRO helps you find your target easily and accurately.

The TGX-PRO is designed to maintain performance when you're searching deep, which makes it different from most detectors. The TGX-PRO is great for both beginners and experts, offering advanced features that are easy to use.

TGX-LITE

TGX-LITE offers a lighter frame, and is easy to use, without complex features like the GOLD-PROGRAM or GoldXtra App.

The TGX-LITE is ideal for beginners who wants a simple detector that provide amazing depth while remaining stable on mineralized soil.

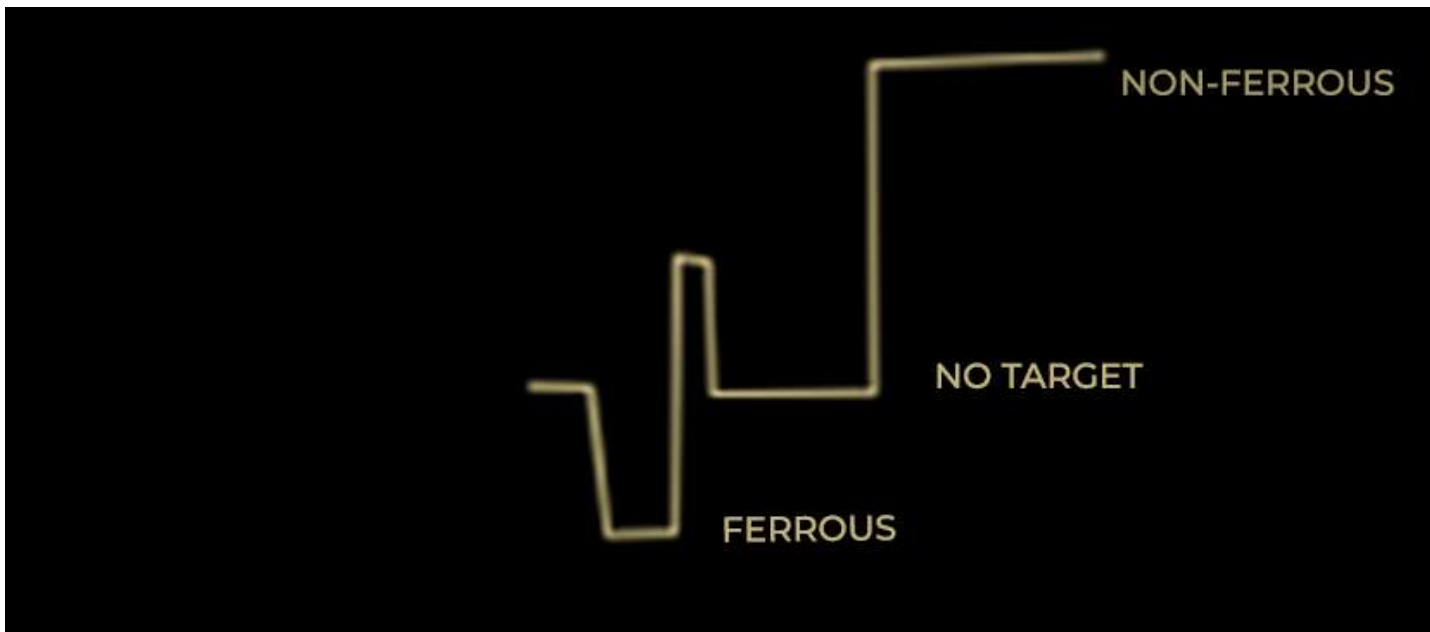


TGX-PRO PLUS FEATURES

In the GoldXtra App there are two visual representations of target detection.

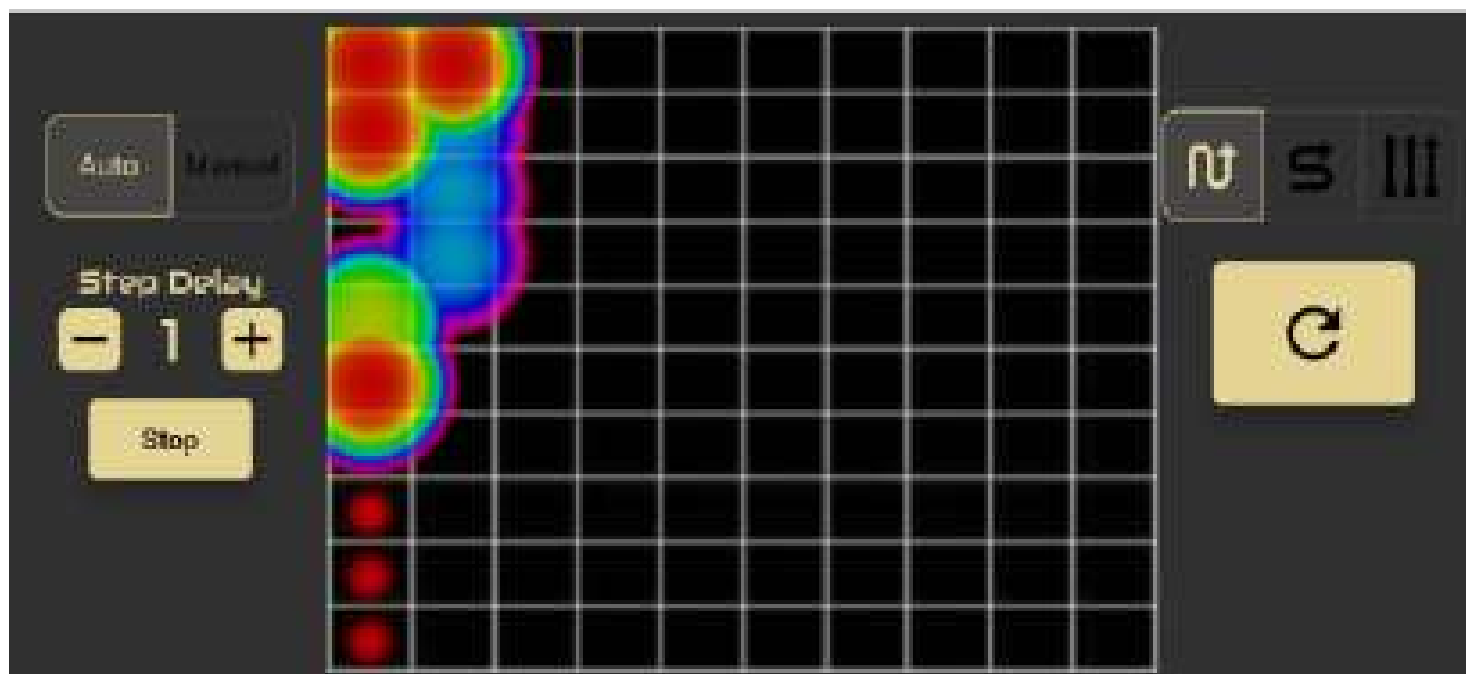
GRAPH:

FLAT is for No Target, LOW for Ferrous Material and HIGH for Non-Ferrous Material. The Level of Graph shows target Strength



HEATMAP :

A heat map visually represents data by showing values using colors. The color of the target square change with the size, depth, and type of the target. There are different modes of operation inside of the HEATMAP.

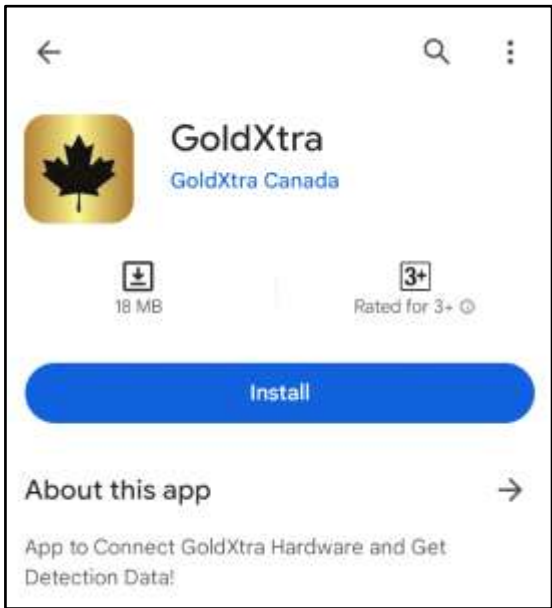


GoldXtra APP FOR TGX-PRO PLUS

DOWNLOADING THE APP

Follow these steps to install the GoldXtra App on your smartphone/tablet.

To download the App, you need to search for GoldXtra in the Play Store and then download the App provided by "GoldXtra Canada".

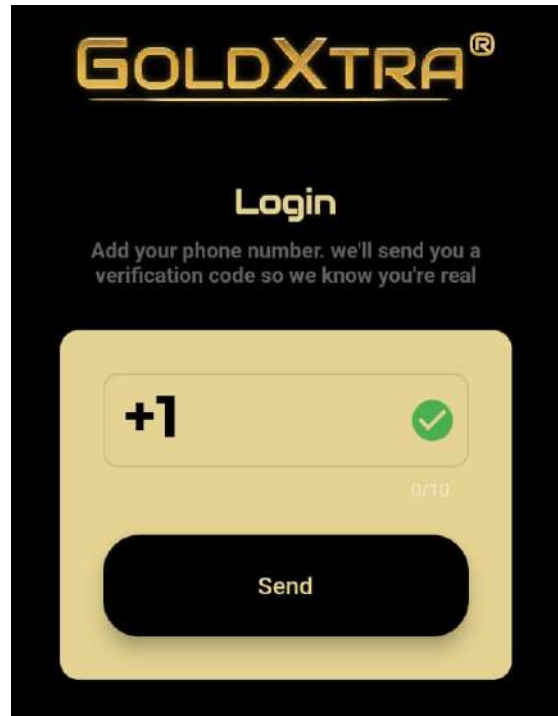


Currently the App is only available for Android, soon it will be available for IOS as well. The Tablet comes configured with the App inside. If there is any issues then make sure that you have updated the Application from the Play Store.

CONNECTING TO THE APP

Follow these steps to connect TGX-PRO PLUS to GoldXtra App :

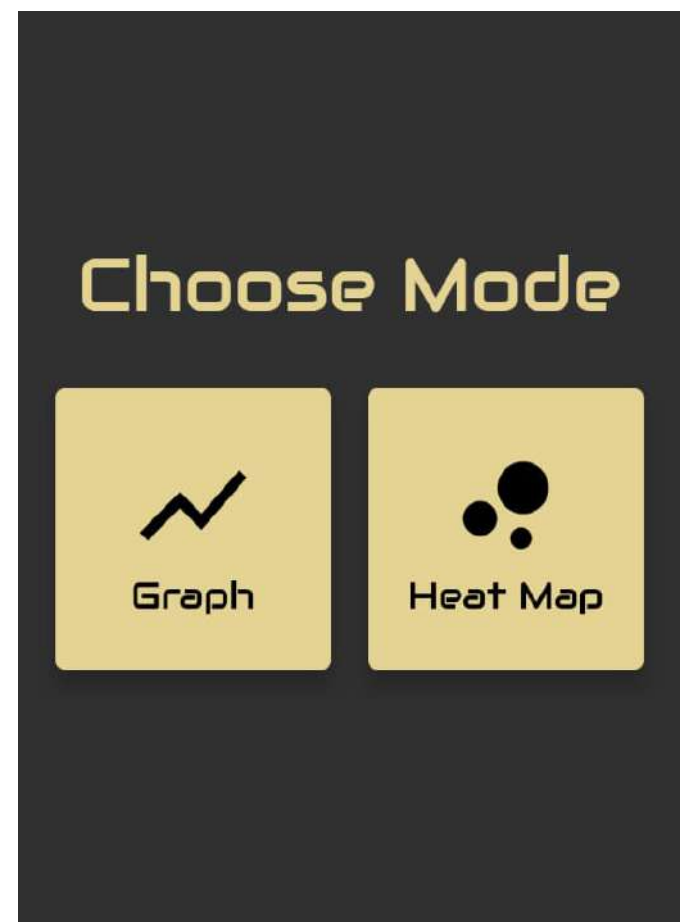
- On the device press and hold the "DOWN" button until "BT" mark appears on the screen.
- Activate Bluetooth on your Android phone.
- Go to Bluetooth Settings on your phone and locate and select the Bluetooth device named "TGX Pro Plus".
- Connect to "TGX Pro Plus" as you would with a regular Bluetooth device, pairing code is 1234.
- Open the "GoldXtra" App.



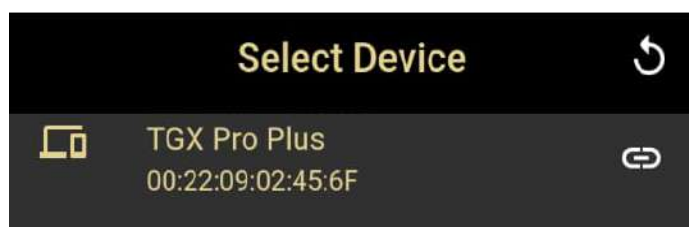
During app registration, an OTP code will be sent to your SIM card and Email.



After registration, choose "TGX-Pro Plus" as your device within the app TGX-PRO Plus



Now you can choose which feature of the TGX-PRO Plus



Select "TGX Pro Plus" from your Bluetooth device.

COMPARISON

The GoldXtra TGX line has different models to fit various experience levels and needs, from the advance TGX-PRO PLUS to the beginner-friendly TGX-LITE. This makes it easy for users to pick the right one for their use case.

FEATURE	TGX - LITE	TGX - PRO	TGX - PRO PLUS
SMALL COIL TP45	✓	✓	✓
LARGE COIL	FC 100	FC 127	IC 127
HEADPHONES	✓	✓	✓
IRON DISCRIMINATION	✓	✓	✓
GOLD 0 PROGRAM	✗	✓	✓
TABLET	✗	✓	✓
AIR PUMP	✗	✗	✓
POWER BANK	✗	✗	✓
MOBILE APP	✗	✗	✓
HEAT MAP	✗	✗	✓
GRAPH	✗	✗	✓

COMPARISON

CONTROL UNIT

1. UP ARROW BUTTON
2. MENU BUTTON
3. DOWN ARROW BUTTON
4. RESET BUTTON
5. TYPE-C CHARGING PORT
6. POWER BUTTON
7. 3.5mm HEADPHONE JACK
8. D RING FOR STRAP
9. SPEAKER GRILL
10. COIL CONNECTON



BATTERY AND CHARGING

CHARGING

Your TGX detector is compatible with any standard charger USB TYPE-A Charger with at least 2A current capability.

Here are some important safety precautions to follow for charging:

- Always use a high-quality charger. Avoid using cheap, unbranded, or unverified chargers, as they can damage your device.
- Ensure the charger has proper certification marks to guarantee safety and compatibility.
- If the device overheats during charging, immediately unplug it.
- Avoid attempting to recharge until the issue is resolved.
- If you notice any damage, such as perforations, unusual odors, or other irregularities, stop using the device and return it to the manufacturer or your dealer for inspection or repair.
- Power Adapters are designed for indoor use. Keep them away from water and high-humidity environments.
- Do not charge the device near flammable materials or substances.

The detector's built-in battery allows for extended search times after a full charge. It is designed to provide the user an 24 hours battery life.

You can also charge your TGX using a power bank for convenience on the go.

The TGX Plus model includes an air pump that doubles as a power bank.

CHARGING LEVEL INDICATOR

Our TGX detectors are shipped with a custom TYPE-C cable that has WATTAGE METER built inside of it.

If battery is fully discharged it will show alert as low battery.

We have designed the TGX models to be able to charge at a fast rate of 10W. When you connect the charging cable to the metal detector, it should ramp up to 10W in a few seconds. Depending on the state of charge of the batteries that actual number may be lower to around 7-8W and then it will slowly come down to 0W as the battery gets fully charged.



AUDIO

PITCH

The TGX device emits different sounds to help you tell if a target is Ferrous or Non-Ferrous. For FERROUS the sound is Low Pitch and for NON-FERROUS it is High Pitch.

For FERROUS the frequency is 500Hz.

For NON-FERROUS the frequency is 750Hz.

SPEAKERS

The TGX series has a built-in power amplifier inside that drives the 50mm speaker and it can deliver a loud sound of 90 dB.

The speaker is on the back of the machine as indicated in the picture



HEADPHONES

If you want to focus and avoid background distractions, it is recommended to use the wired headphones provided with the device. To analyze the system's output, simply plug the headphones into their assigned port.

Using headphones is especially useful in noisy environments where it can be hard to hear the device.

CAUTION: When using headphones make sure that the Volume is less than 3 otherwise it will be really loud and may damage your ears!

The headphones included with the machine are advanced Bluetooth headphones that have built-in Active Noise Cancellation that the customer can use as their daily driver. And for the use with the TGX the customer can use the included AUX cable.



HOW TO USE



POWER ON

Press and hold the ON/OFF button for 5 seconds. This action Powers ON the devices and prepares the GoldXtra TGX and the display for further operation.



SETTINGS

To access settings, use the device's middle button, referred to as the menu button.

In the settings you can adjust the Settings type like SENSITIVITY of the machine, the TUNE setting, select the MODE of the machine and adjust the VOLUME. You can use the UP and DOWN buttons to change the value and use the MENU button to change the Setting Type and use the RESET button to go back



SENSE

You can adjust the SENSITIVITY of the machine from this option. It goes from 01 all the way up to 99. The default value is 50.

The higher value will make the machine more sensitive and thus granting you more depth but can also make the machine unstable if it is increased too much depending on the soil.

Changing the SENSE setting is like changing the machine's depth settings.

TUNE

This is the TUNE setting which sets the Ground Balance setting for the machine. This keeps the machine from going unstable and keeps it in check. The value goes from 01 to 20 and the default value is 16.

The higher value will make the machine more stable at a slightly reduced depth and the lower value will increase the depth but will make the machine more unstable.

To get the best performance out of the detector the user needs to adjust the value of TUNE according to the soil and according to the coil that is being used.

With the large coil IC127 or FC127 the user can start with the value of 20 first and then decrease it slowly to increase the depth until 15. It is not recommended to use value of less than 15 with the large coil unless the user is sure that the soil is non-mineralized, and the detector will be stable.

With the small coil TP-45 the user can lower the value of TUNE below 15 if the soil is less mineralized.



MODE SELECTION

You can select the mode of the machine from the settings 3 modes in TGX series METAL MODE, DISC MODE and GOLD MODE.

SENSE

METAL MODE:

In METAL MODE, regardless of the material type, all detections are indicated as "TARGET." The LCD screen prominently displays this message to visually notify you of a potential find, while the device emits a distinct beeping sound to audibly alert you to the presence of a target. This straightforward approach ensures that you remain aware of any metal objects within the vicinity, allowing you to quickly assess and investigate potential targets, making it a versatile tool for various applications, from treasure hunting to security screening.



DISC MODE:

In DISC MODE, the machine incorporates Iron discrimination, distinguishing between FERROUS and NON-FERROUS metals, displaying them distinctly on the screen and emitting different Pitch sounds for each. It utilizes a LOW PITCH sound to indicate FERROUS metals and a HIGH PITCH sound for NON-FERROUS metals, providing clear auditory and visual cues for efficient metal differentiation. This feature enhances your metal detecting experience by enabling you to focus on specific metal types, whether you're searching for relics or valuable treasures.



FERROUS:

When "FERROUS" is displayed on the screen it means that the detected metal is Iron or Trash.

NON-FERROUS:

When "NON-FERROUS" is displayed on the screen along with a high pitch sound it means that a precious metal is detected.



GOLD MODE:

In GOLD MODE the TGX is using advance



technology that makes it able to discriminate accurately between GOLD and ALL other metals and thus it can block all the detection of the other metals and only shows GOLD as the TARGET. This technology is available for the first time in a Pulse Induction detector.

When Gold is detected, the device beeps and shows TARGET message on the screen. If something is detected but it's not gold, the screen will show only the rings instead. As the gold is not in pure form in the soil. So, this mode detects 95% of the gold.

VOLUME

You can adjust the volume to suit your surroundings and preferences. The value goes from level 0 to 9.

When the Volume is 0 it is in mute mode and then from 1 to 9 the speaker emits sound. It is advised to keep the volume below level 5 for longevity of the speaker.

BEGIN SCANNING

GET STARTED

Assemble the hardware as shown in the first page and then turn ON the device using the power switch. After the loading display find and press the 'RESET' button as this prepares the metal detector for a fresh start. Be careful not to use the 'Ground Balance' function (RESET BUTTON) directly over a metal object or target as this will make the detector ignore those metal objects.

HANDLING THE COIL

Hold the coil (the round, flat part) close to the ground and move it back and forth at a steady, moderate speed. This movement allows the metal detector to scan the ground effectively. Remember when you're using the TGX, which is a non-motion metal detector, you don't have to swing the coil like you do with some other detectors. Just move it horizontally at a moderate speed, it's much easier.

Correct way of sweeping:



GROUND BALANCE

This device has the feature of automatic ground balance because of which the detector adjusts itself to different soil conditions. Which makes it easier to find hidden metal objects without manually changing settings.

If you press the ground balance (RESET BUTTON) while over the target, the device won't detect it until you ground balance the detector again on a clean ground. Like other devices, this device does not have hectic or time-consuming procedures to achieve ground balance.

DETECTION

After turning ON the device press the "MENU" button to enter the settings menu. Based on your soil conditions and the coil that you have connected adjust the settings. The default settings are SENSE: 50 and TUNE: 16.

After adjusting, press the reset button 2 to 3 times to refresh your settings. You're now ready to begin your metal-detecting adventure!

- Audio Alert: When a target is near the search coil, the device emits a beeping sound.
- Visual Display: The device also visually displays the target, resembling a ripple effect on the screen.

COILS

TP-45 COIL

This coil, included in the set, is designed for relic hunting. With a diameter of 45cm (18 inches), it offers moderate depth detection capabilities while being easy to carry around and handle.

It's versatile and can be used in various environments, such as parks, fields, and beaches, to locate treasure.



FC-127 & FC-100 COILS

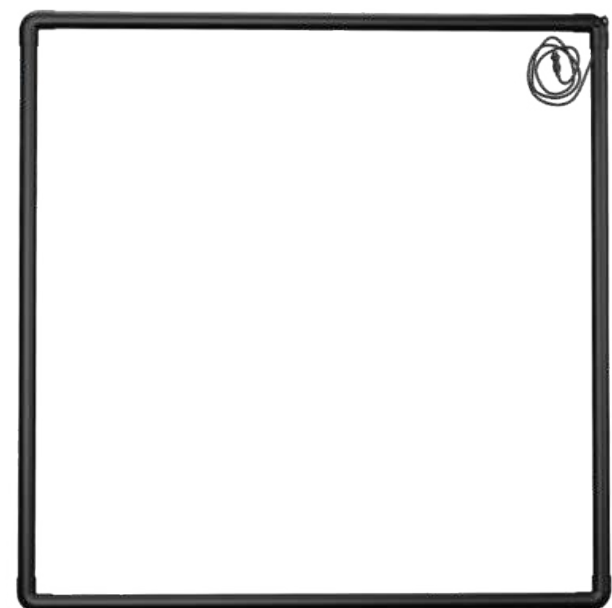
The TGX detectors comes with large frame coils made up of pipes and elbows intended for finding large objects.

The TGX-PRO comes with a 127x127cm coil called FC-127 while the TGX-LITE comes with a smaller 100x100cm coil called FC-100.

To set it up, connect the pipes to the elbows and attach the carrying belts buckle to the pipes. The coils are intended for two persons to carry, but a single person can also do it as long as that person is metal free and does not cause any interference.

These coils are great for finding large objects at deep depths, but they're not suitable for small targets due to their size.

FC-127 offers more depth than FC-100 coil.



IC-127 COIL

The IC127 Treasure Coil is a unique addition by GoldXtra (for its most advanced version TGX-PRO PLUS). It marks a first in metal detection with its inflatable design.

This coil, also included in the set, expands to a large size of 127 cm (50 inches) when inflated, enhancing your search area. It's ideal for treasure hunting, offering impressive depth detection.

The coil is adaptable to different terrains, effective in both dry areas like parks and fields and wet conditions such as beaches and shallow waters. It's specially designed for detecting objects at greater depths.

Easy to Carry

CAUTION:

Don't over inflate otherwise it may puncture or burst away. Try to avoid from nails or sharp cutting tools etc. to avoid punctures.



AIR PUMP

Along the IC-127 Coil there is an air pump included for inflating the tube. It has various built-in functions such as emergency light, power backup and multi auto settings for bi-cycle, motorbike and car.

- To inflate the IC-127 follow these steps:
- Power on the Air Pump.
- Choose the car setting.
- Insert the nozzle into the included adapter.
- Put the adapter nozzle inside the IC-127.
- Turn on the Air pump and start inflating.
- Inflate it until it can be carried.

The Air Pump can also be used as an emergency power bank for the detector.



BEGIN SCANNING

To get familiar with how your detector works, it's a good idea to perform a bench test.

Follow these steps:

- Always perform the test outdoors; using it indoors is not recommended.
- Place the search coil a few feet away from any metallic objects on a flat, non-metallic surface.
- Choose the 'DISC' mode.
- Pass different metal objects (like copper, gold, iron, etc.) in front of the search coil.
- Your metal detector will detect these targets both audibly and visually.
- Repeat this test in all of your detector's modes.
- Pay attention to the sounds and visuals on the LCD screen in each mode.
- Record your bench test results and refer to them when you're out hunting in the field.



SPECIFICATION

FEATURE	
APPLICATION	RELICS, TREASURE
FREQUENCY	339 Hz
SPEAKER	90dB output with 5W Amplifier
HEADPHONES	Wired Headphones
VISUAL DISPLAY	128x64 LCD
COILS	TP-45 , TX 127, FC-127
DETECT MODES	ALL METAL, DISC, GOLD
DISCRIMINATION	Ferrous and NoN - Ferrous
GOLD PROGRAM	95% Gold
AUDIO TONES	2 Tone Audio
GROUND BALANCE	One Button Automatic GB
SENSITIVITY ADJUSTMENT	01-99
TUNE ADJUSTMENT	01-20
VOLUME ADJUSTMENT	0-9
INTERFACE TYPE	LCD and Buttons
USB CONNECTIVITY	TYPE-C
BATTERY	Li-Ion 44.4 Wh 16 V
BATTERY LEVEL INDICATION	BARS
LOW BATTERY ACTION	ALERT
BATTERY USAGE TIME	24 Hours
CONTROL UNIT DIMENSION	153x106x57 mm
CONTROL UNIT WEIGHT	700g
WARRANTY	3 Years

ACCESSORIES

- NECK STRAP
- CHARGER (C-TYPE)
- AIR PUMP
- HEADPHONES
- CARRYING BAG
- STEM
- 2 COILS
- TP-45 COIL
- IC 127
- MANUAL
- ARMREST
- CARRYING BELT
- PROTECTIVE SILICONE COVER
- PLASTIC SCREWS
- SHOCKPROOF PROTECTIVE FOAM
- PACKING CARTON FOR CARRYING
- ADJUSTABLE COIL CARRYING BELT
- ADJUSTABLE CARRYING ROPE
- Rubber Gaskets
- Thumb Screws
- Puncture Kit

WARRANTY

GoldXtra's TGX offers a 3-year warranty for users to enjoy their adventures and hunting with peace of mind.

Please check for warranty status as soon as you get your device.

Do not attempt to repair or open the device by yourself. Removing the warranty sticker will void the warranty claim.

Important Note:

The warranty does not cover the battery and headphones.

SUPPORT

GoldXtra promises excellent after-sale support to its customers and ensures that the customer is satisfied with the services provided.

Do not attempt to return the product directly to the manufacturer to avoid unnecessary shipping.

If a problem occurs with your after-sale TGX during usage, make sure to read the manual carefully to ensure that the detector is not inoperable due to incorrect adjustments or settings.

TROUBLESHOOTING

If you're unfamiliar with setting of GoldXtra detector TGX, contact your dealer for assistance

NO POWER:

If the battery is completely drained, the device won't turn on. Plug it in for charging. Also, avoid using it while charging.

UNUSUAL SOUNDS:

Double-check whether the coil is correctly connected to the device's control panel and if the coil cable is tightly twisted around the stem.

The result of indoor searches will vary as there's a lot of electrical interference and there are a lot of metals on the floor and the walls.

Check to see if you're near any other metal structure or an electric interference and adjust the settings accordingly. It is recommended that you don't use the device indoors.

IRREGULAR SIGNALS:

These signals usually indicate that you have found a deeply buried target or a target that is at an awkward angle for your detector to detect.

Scan the target from multiple angles to better characterize it.

Press the reset button and start from the initial point. Keep in mind that after restarting from the initial matter, the detector is not to be placed straight above the point where an irregular signal was observed.

UNABLE TO FIND SPECIFIC TARGET:

If you are unable to find a specific target, make sure that you are in the correct setting for the kind of hunting you are performing.

If you're only looking for gold, a gold mode is the perfect mode for rejecting all other targets and focusing only on gold targets.

You can't enjoy this feature on TGX -Lite

DETECTOR UNSTABLE:

Double check first and make sure there is no metal on you. For example, like in your shoes, or a phone in your pocket that may be causing false signal.

NO DETECTION:

If everything is working but you are still not getting a detection, then maybe the user done GROUND BALANCE while placing the coil on a metal object. Try GROUND BALANCE again with clean ground.