MINELAB

VFLEX technology

— THE ORIGINAL ADVENTURE —

X-TERRA 305

Getting Started Guide

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Warning: Any changes or modifications not expressly approved by Minelab Electronics could void the user's authority to operate this equipment.

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

COMPLIANCE

Information to the User (FCC Part 15.105)

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: Class B Devices

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.

For complete product specification and operational guidance, read the full length user manual at www.minelab.com.

Specifications

	X-TERRA 305
Discrimination Patterns	1, 2 & All Metal
Discrimination Scale	12
Operating Frequencies (kHz)	Change coil to change frequency 7.5 & 18.75
Audio	Speaker and Headphone Output
Battery	4 x AA
Standard Coil	9″ Concentric 7.5 kHz (Waterproof)

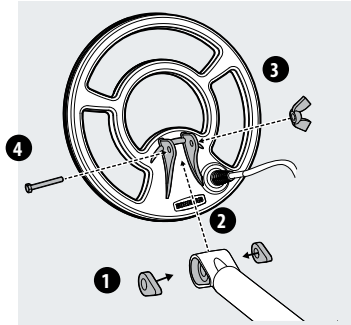
Assembly | Follow the steps to put together your X-TERRA 305
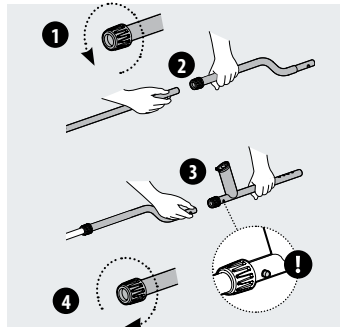
1. Attach coil to lower shaft

1. Insert the two rubber washers into the holes on either side of the yoke.
2. Slide the yoke into the yoke bracket on top of the coil.
- ⓘ Ensure that the spring loaded pin in the lower shaft is underneath.
3. Insert the plastic bolt through the yoke and the yoke bracket.
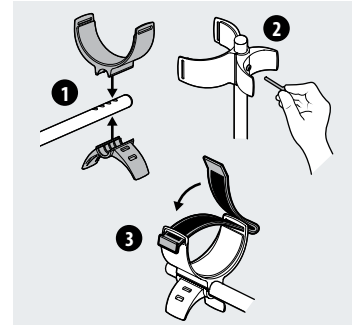4. Fasten with the plastic bolt - Do not overtighten.

2. Assemble shafts

1. Loosen the twistlocks by rotating them counter-clockwise.
2. Press the spring loaded pin in the lower shaft and slide it into the middle shaft until the pin reaches the adjustment holes. The pin will click into place.
3. Attach the middle shaft to the upper shaft in the same way.
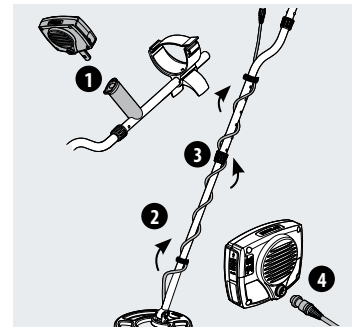4. Lock the position of the shafts by rotating twistlocks clockwise.

3. Attach armrest/stand

1. Place the armrest onto the top of the upper shaft. Position the armrest just below your elbow, then line up the boss in the armrest with the nearest hole in the shaft.
2. Insert the screw through the stand, upper shaft and armrest. Tighten the screw carefully.
3. With the velcro side facing upwards, thread the armrest strap through both slots in the armrest. Ensure the end of the strap will be fastened outwards from your arm.

4. Connect control box & coil

1. Push the control box onto the end of the handle until it fits into place.
2. Wrap the coil cable around the lower and middle shaft enough times to take up the slack.
3. Use the velcro tabs provided to secure the coil cable against the shaft.
4. Align the coil connector and plug into the socket in the back of the control box, lightly tightening the retaining ring.
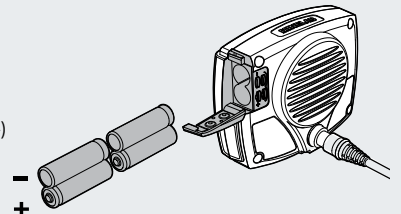

Audio

X-TERRA 305 detectors have an external loudspeaker for detecting without headphones.

A range of other audio options are available. Please refer to the full instruction manual for further information.

Battery

The X-TERRA uses 4 x AA batteries which are not included with the detector.

1. Access the battery compartment via the battery door located on the side of the control box. Slide the battery compartment door upwards with your thumb.
2. Place individual batteries into the compartment as illustrated, ensuring the positive (+) and negative (−) contacts match the diagram on the control box.
3. Close the battery door by pushing and sliding it downwards.

1. Turn on
Press the Power button on top of the user interface.
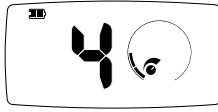
2. Discrimination
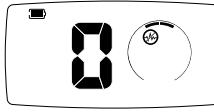Choose a Discrimination Pattern. See details below.

3. Sensitivity
Press Menu to scroll to Sensitivity icon. Use Plus or Minus to adjust sensitivity.

Sensitivity range = 1-10
Factory Preset = 6

4. Noise Cancel
Press Menu to scroll to Noise Cancel icon. Use Plus or Minus to select chanels.

Noise Cancel = -1, 0, 1
Factory Preset = 0

5. Ground Balance
Press Ground Balance (GB) button. Move the coil up & down on a clear area of ground without any targets. Adjust the GB using Plus or Minus.

4" (10 cm)

Ground Balance range = 0-20
Factory Preset = 6

6. Begin detecting
Press Pinpoint/Detect to start detecting.

Discrimination Patterns | 1, 2 & AM

Pattern 1
Accepts signals from nonferrous targets, e.g. gold and silver coins.
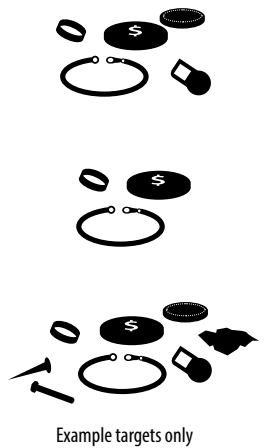Rejects ferrous objects and nonferrous aluminium foil.

-4 4 8 12 16 20 24 28 32 36 40 44
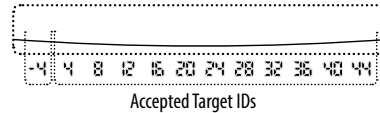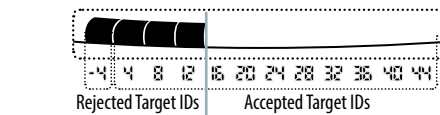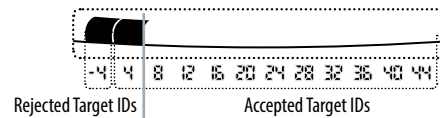Rejected Target IDs   Accepted Target IDs

Pattern 2
Accepts signals from most nonferrous targets
Rejects ferrous objects and some nonferrous targets, e.g. aluminium foil and pull tabs.

-4 4 8 12 16 20 24 28 32 36 40 44
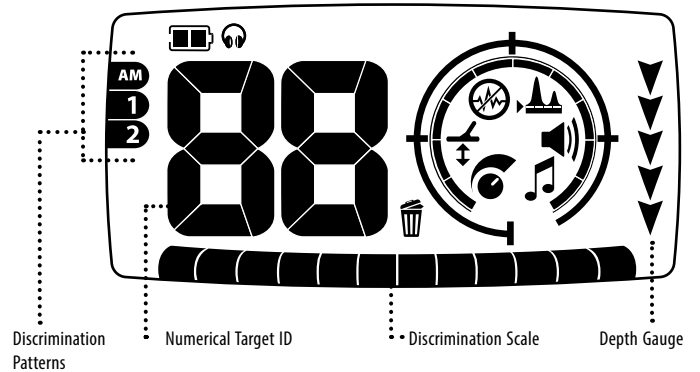Rejected Target IDs   Accepted Target IDs

All Metal
Accepts signals from all types of metals, everything from jewellery to rusty nails (all Target IDs).
No target signals are rejected.

-4 4 8 12 16 20 24 28 32 36 40 44
Accepted Target IDs

Example targets only

User Interface | Adjust and view your detector settings.

MINELAB   X-TERRA 305

Discrimination Patterns   Numerical Target ID   Discrimination Scale   Depth Gauge

Power
Turns the detector On/Off.

Patterns
Scrolls through the different Discrimination Patterns.

All Metal
Toggles between the selected discrimination pattern and the All Metal pattern.

Accept/Reject
Accepts or rejects discrimination segments.

Ground Balance
Accesses the Ground Balance Menu.

Minus
Adjusts settings, and scrolls to the left through the discrimination segments.

Menu
Enters the Menu. Accesses and scrolls through the detecting settings.

Plus
Adjusts settings, and scrolls to the right through the discrimination segments.

Pinpoint/Detect
Pinpoint assists in locating the exact position of a target prior to recovery. Detect exits menu settings and returns to detection.

Battery
Indicates remaining power.

Headphones
Indicates headphones are connected.

Reject Identification
Appears when you reject a discrimination segment.

Sensitivity
Indicates that you are in the Sensitivity menu.

Ground Balance
Indicates that you are in the Ground Balance menu.

Noise Cancel
Indicates that you are in the Noise Cancel menu.

Threshold
Indicates that you are in the Threshold menu.

Volume
Indicates that you are in the Volume menu.

Tones
Indicates that you are in the Tones menu.