

Updates to the V3.0 manual

NEW PROFILE : OSCILLOSCOPE XY DISPLAY

- Reactivity 2.5, this new reactivity level is fast and deep, offering a good compromise especially when searching new terrain.
- Program No10 GOLD FIELD : Improved Audio Response and reactivity. Goldfield will give excellent results especially when combined with the new HF coils...Now difficult targets can easily be detected in mineralized ground. The Tone menu has been removed.
- Lower discrimination range : For those who want more control over ferrous targets.
- Negative discrimination of 0 to -6.4 makes it possible to locate previously rejected ferrous items, the lower discrimination range can also enhance the signature from deep targets which may have in the past been ignored. These new options also offer a big advantage when searching for specific targets such as ceramics or even meteorites.
- Ground Effects: Improved Tracking.
- Improved display and signal processing compatible with the new HF 21 frequencies. The display now has the ability to handle detection frequencies up to 81kHz (18kHz before), now with 7 frequency offsets (compared to 3 previously).
- DEUS is now compatible with a smartphone: Target information and other data can be sent by radio link to a smartphone. An app will soon be available to unlock these features.
- New program No9 "HOT" : "Pro setting" this is a find everything program, based on the Full Tone audio mode with a very low discrimination. Hot is a very interactive program offering excellent feedback and target information.
- New program No6 "DEEP": "Pro setting" for locating deep targets, with moderate discrimination and specific signal processing.
- Improved Non motion / static mode: Non motion modes are now more advanced offering better overall performance, with an improved sensitivity to small targets.
- New processing : Dual processing power improves navigation and a range of other parameters. remote and headset battery life has slightly decreased to 18 and 20 hours respectively.
- Normalization display is now a menu feature on the WS4 and WS5 headphones.
- The headset volume is now stored when switched off.
- The coil name in the coil menu have gone, the serial number is now used as the coil reference.
- Erasing a coil from the list is done by replacing all characters with 0.
- Audio tone can now be raised up to 993 hertz
- Target Normalization mode is on by default (Normalization is not active with HF coils)
- When turning OFF the remote control to use only the wireless headphone, the coil restart

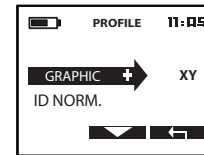
New Optional High Frequency coils:

Image	Frequency Range	HF COILS	Battery
	13 < 14 kHz > 15.7 26 < 30 kHz > 31 50 < 55 kHz > 59	Frequency 14 kHz	20 hours
	13 < 14 kHz > 15.7 26 < 30 kHz > 31 68 < 80 kHz > 81	Frequency 30 kHz	27 hours
		Frequency 55 kHz	28 hours
		Frequency 80 kHz	28 hours

Interchangeable battery mounted in the lower stem

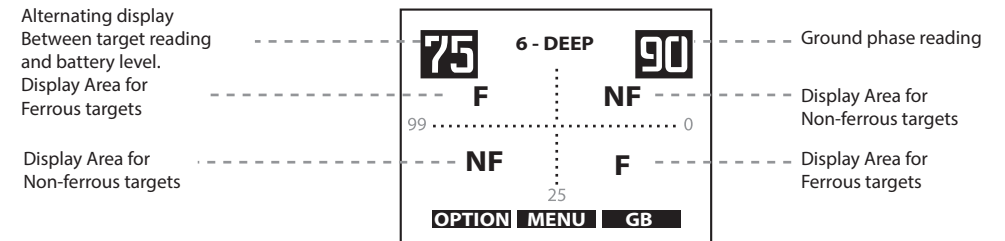
The v4 manual is available soon from our web site:
www.xpmetaldetectors.com

OPTION > CONFIGURATION > PROFILE

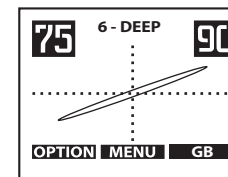


OSCILLOSCOPE DISPLAY XY: The target signature is displayed on an oscilloscope. The XY screen provides a visual assistance and may improve the identification of difficult targets.

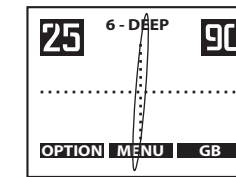
For example: The identification of targets that do not have a precise signature (some ferrous, cans ...). The XY profile can be selected as the default display. The display magnification of the XY trace has 10 levels of adjustment using the Zoom function.



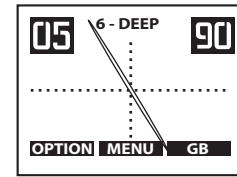
XY screen target examples :



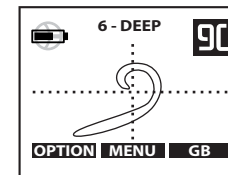
Typical non ferrous Signature for coins.



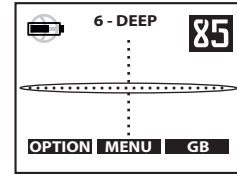
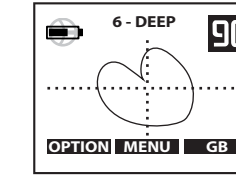
Typical non ferrous signature for foil.



Typical signature for rejected ferrous.

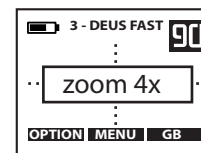


Typical signature for cans and difficult to reject large ferrous items.



Typical signature from ferrite and ceramics.

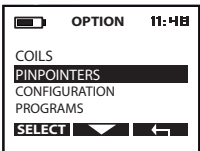
Zoom XY mode



- 1 Press the Pinpoint button for 2 seconds to display the zoom function.
- 2 Adjust the zoom by pressing the \ominus or \oplus key

When connected the MI-6 pinpointer transmits its audio signal directly to the DEUS, a new menu will now be available with extended functions.

Pairing the remote control with Pinpointer



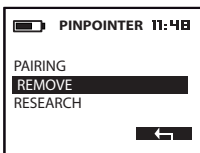
- 1 Choose **OPTION**
- 2 Press **DOWN** and select **PINPOINTERS**
- 3 Select **PAIRING**

Turn on the MI-6, then hold the button down for 8 seconds

- 4 Once paired the MI-6 will operate with the DEUS.

When pairing, the MI-6 automatically switches to program 7 (DEUS). This program will only work with the DEUS. Program 7 will not generate any sound or vibration.

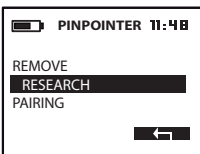
Remove the MI-6 from the menu



Choose **REMOVE** and press YES.

Note : To use the MI-6 without the DEUS, select programs 1 to 6 on the MI-6 menu. To change program: Switch MI-6 on - press the button for 5 seconds, a melody indicates that you have entered the program selection mode, press to correspond with the desired program number (eg press 2 times for program 2). After 2 seconds the melody indicates the MI-6 has returned to the search mode.

Recover a lost MI-6



Find your pinpointer within a radius of 25 meters, even if switched off and missing after several weeks.

- 1 Press **RESEARCH**
- 2 The pinpointer will start sounding with a flashing LED.
- 3 Press the pinpointer button and return to the search mode with **LEFT**

Pairing the headphones at the MI-6



- 1 Press **MENU** until you reach **COIL**.
- 2 Press **+** to reach **PP**, then press **+** 3 seconds. **PP** flashing.
- 3 Turn on the MI-6, then hold the button down for 8 seconds. PP is paired.
- 4 Press **MENU**

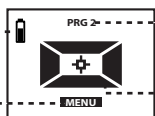
Remove the MI-6 at the headphones

- 1 Press **MENU** until you reach **COIL**.
- 2 Press **+** to reach **PP**, then press **+** 3 seconds; **PP** flashing.
- 3 Press **MENU**

MI-6 active display screen

MI-6 Battery condition

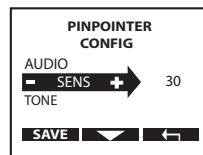
Access to:
SENS - TONES - AUDIO...



Program

Target zoom screen.

Sensitivity



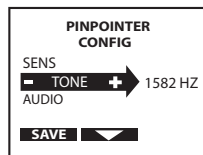
The MI-6 has 50 levels of sensitivity via the remote control.

Press **-** or **+** The MI-6 has 50 levels of sensitivity via the remote control.

Note : For precise object location, low sensitivity levels, such as prog 1 and 2, are recommended. The high sensitivity level (prog 3) is for cache location or searching in walls and furniture.

Retune At any time, you can re-calibrate the MI-6 by pressing the button very briefly while away from any metallic source. On mineralized soil, salt water, re-calibrate it in contact with the ground. To localize detection range, re-calibrate (de-tune) near to the object.

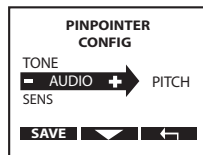
Tones



The MI-6 audio PULSE tone can be adjusted from the remote control, tones range from 120 to 1582 Hz. (Audio PULSE mode only)

Press **-** or **+** to adjust the tone.

Audio PITCH / Audio PULSE

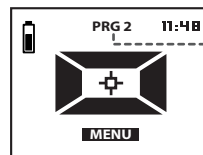


- **Audio PITCH:** The sound varies in tone and intensity, it is the default mode, it offers fast target location.

- **Audio PULSE:** Has a higher sound, intended for noisy environments. Target location is not as precise as PITCH mode. Pitch and Pulse mode both have the same performance.

Press **-** or **+** to switch from one mode to another.

Making and saving a custom program



Choose from one of the 3 factory pre-set programs in the menu to make your own custom program which can then be saved as (prg4).

- 1 Select the program you want by pressing **-** or **+**
- 2 Enter the settings by pressing **MENU**
- 3 Save your settings by pressing **SAVE**

Note : When first used the MI-6 will start on program 2. After this it will start on the last used program.

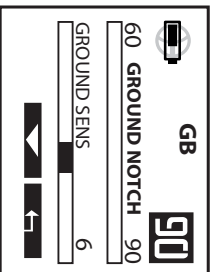
Note : The 4 programs on the remote control are separate from the programs inside the pinpointer. When used independently the MI-6 (unpaired) will always use it's factory programs.

Ml-6 radio link

The Radio connection between Ml-6 and DEUS is now more reliable and faster.

New EXPERT Mode : GROUND SENSITIVITY

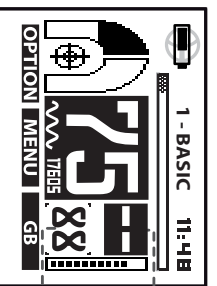
New menu addition "Ground Sensitivity" in GB > EXPERT. This new setting makes it possible to adjust the machines ability to track soils according to their intensity. This makes it possible to avoid tracking on soils with a low mineralisation.




- **GROUND SENS low (1 to 5):** Slightly mineralized soils are ignored and the DEUS does not track and will not display ground values, the Deus will default to the recommended level.
- **GROUND SENS high (6 to 10):** The DEUS will track even low mineralized soils.

Note : Do not be tempted to adjust the "GROUND SENS" too high as this may introduce more instability and false ground readings. Levels of 1 to 5 are recommended, they will give you better stability over the V4.0.

GROUND EFFECT



- Ground measurement display: If the DEUS does not register a ground effect for 7 seconds or receives a level lower than the set "GROUND SENS" for more than 7 seconds it will now display 
- Ground Tracking: If the DEUS no longer measures a suitable ground effect for 30 seconds it will default the tracking to a setting value of 88 for more stability.

For example the ground value will revert to default if: The soil is not mineralized enough or if the level of mineralization is lower than your set "GROUND SENS", or simply if you stop detecting. As soon as you resume detecting or if the soil becomes sufficiently mineralized again, the DEUS will continue to track the soil and the display will show the measured value.

Note : HF coils do not require software updates for the moment, they are ignored during the update.