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XP METAL DETECTORS ORX2222X35

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Model: ORX2222X35

1. INTRODUCTION

This manual provides comprehensive instructions for the assembly, operation, and maintenance of your XP ORX Wireless Metal Detector. The ORX is designed for efficient detection of various metallic objects, including gold nuggets, coins, jewelry, and relics, across diverse terrains.

2. SAFETY INFORMATION

Warning: Always exercise caution when metal detecting.

- Do not use the detector near active electrical lines or underground cables.
- Avoid detecting in areas with unexploded ordnance or hazardous materials.
- Always obtain permission before detecting on private property.
- Be aware of your surroundings and potential hazards such as uneven terrain, wildlife, or traffic.
- Handle batteries according to manufacturer guidelines to prevent leakage or explosion.
- Keep the device away from extreme temperatures and moisture.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package.



Image Description: A complete view of the XP ORX Metal Detector package contents, including the main control unit, 9-inch X35 search coil, FX-02 wired backphone headphones, MI-6 pinpointer, and various accessories like charging cables and mounting hardware.

- XP ORX Control Unit
- 9-inch X35 Search Coil
- FX-02 Wired Backphone Headphones
- MI-6 Pinpointer
- Telescopic S-shaped Stem
- Charging Cables (USB)
- Coil Mounting Hardware
- User Manual (this document)

4. SETUP AND ASSEMBLY

4.1 Assembling the Metal Detector

1. **Attach the Search Coil:** Secure the 9-inch X35 search coil to the lower stem using the provided non-metallic bolt and nut. Ensure it is firmly attached but allows for slight angle adjustment.
2. **Connect the Stem Sections:** Assemble the telescopic S-shaped stem. The ORX features a patented XP LITE stem for easy adjustment and portability.
3. **Mount the Control Unit:** Slide the ORX control unit onto the stem handle. Ensure it clicks securely into place.
4. **Connect Headphones:** Plug the FX-02 wired backphone headphones into the designated audio jack on the control unit.



Image Description: A close-up view of the XP Deus X35 search coil, a key component of the metal detector responsible for detecting metallic objects.

4.2 Charging the Device

The ORX control unit, search coil, and MI-6 pinpointer are equipped with rechargeable Lithium Polymer batteries.

- Connect the provided USB charging cables to the respective charging ports on each component.
- Plug the USB cables into a compatible USB power adapter (not included) or a computer USB port.
- A full charge typically takes several hours. The battery indicator on the control unit will show charging status.
- Expected battery life is approximately 20 hours for the control unit and search coil.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- To power on the ORX control unit, press and hold the red power button () until the screen illuminates.
- To power off, press and hold the red power button again until the unit shuts down.
- Ensure the search coil is also powered on (it typically activates automatically when connected to the control unit).

5.2 Understanding the Display and Controls





Image Description: A close-up of the XP ORX control unit's backlit display, showing ground level, ground balance, and ground measure readings, along with battery indicators and program selection. The control buttons are visible below the screen.

The ORX control unit features a backlit display and intuitive button layout.

- **Display:** Shows current program, battery status, ground level, ground balance, and ground measure.
- **Buttons:**
 - Power Button (): On/Off.
 - Menu/Select Button: Navigate menus and confirm selections.
 - Plus (+)/Minus (-) Buttons: Adjust settings values.
 - Target Pinpoint Button: Activates pinpoint mode for precise target location.

5.3 Program Selection

The ORX comes with 4 factory pre-set programs and 2 customizable user programs.

- **Gold Prospecting Modes:**
 - **Gold:** Optimized for low to average mineralization, sensitive to medium and large gold nuggets.
 - **Fine Gold:** Designed for heavy mineralization, with good sensitivity to small and medium gold nuggets.
- **Coin, Jewelry, and Relic Modes:**
 - **Coin Fast:** Suitable for coins, jewelry, and various targets, performing well on mineralized or contaminated ground.
 - **Coin Deep:** For coins and all target types, offering good performance on low mineralized, uncontaminated ground.
- **User Defined Programs:** Two slots are available for custom program configurations.

To select a program, use the menu navigation buttons to cycle through the options and confirm your choice.

5.4 Frequency Adjustment

The ORX operates across 35 frequencies, ranging from 3.7 kHz to 27.7 kHz, allowing for optimal performance in various terrains and for different target types. Refer to the on-screen menu to adjust the operating frequency as needed for specific conditions.

5.5 Ground Balance

Ground balance is crucial for stable operation and accurate detection, especially in mineralized ground. The ORX offers automatic and manual ground balance options. Consult the on-screen menu for instructions on performing ground balance in your detecting area.

5.6 Using the MI-6 Pinpointer

The MI-6 pinpointer integrates seamlessly with the ORX detector, aiding in precise target recovery.



Image Description: The red and black XP MI-6 pinpointer, a handheld device used for accurately locating small targets in the ground after a metal detector has identified a general area.

- **Pairing:** Follow the instructions in the ORX menu to pair the MI-6 with your detector for wireless communication.
- **Operation:** Once a target is detected by the main coil, switch to pinpoint mode on the ORX or activate the MI-6 independently. Insert the MI-6 into the excavated hole to precisely locate the target.
- The MI-6 provides audio and/or vibration feedback, increasing in intensity as it approaches the target.

6. MAINTENANCE

6.1 Cleaning

- Wipe down the control unit, stem, and coil with a damp cloth after each use.
- Avoid using abrasive cleaners or solvents.
- Ensure all components are dry before storage.

6.2 Battery Care

- Recharge batteries regularly, even if the device is not used frequently, to maintain battery health.
- Do not expose batteries to extreme heat or cold.
- If storing for extended periods, charge batteries to approximately 50% capacity.

6.3 Storage

- Store the detector in a cool, dry place, away from direct sunlight.
- Disassemble the stem for compact storage if desired.
- Keep the search coil protected to prevent damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Low battery; Power button not pressed correctly.	Charge all components; Press and hold the power button firmly.
Erratic signals/False signals	High ground mineralization; Electromagnetic interference; Incorrect ground balance.	Perform ground balance; Move away from power lines or other electronics; Adjust sensitivity.
No target detection	Search coil not connected/powering; Incorrect program selected; Sensitivity too low.	Ensure coil is connected and charged; Select appropriate program; Increase sensitivity.
MI-6 Pinpointer not connecting	Not paired; Low battery.	Re-pair MI-6 with ORX control unit; Charge MI-6 battery.

8. SPECIFICATIONS

- **Brand:** XP METAL DETECTORS
- **Model:** ORX2222X35
- **Color:** Black
- **Material:** Metal
- **Power Source:** Battery Powered (Lithium Polymer)
- **Battery Life:** Approximately 20 Hours
- **Product Dimensions:** 24"L x 10"W x 5"H (assembled, approximate)
- **Item Weight:** 1 Pound 14 Ounces (870 grams) for the main unit, 4.49 pounds (total package)
- **Adjustable Length:** Yes
- **International Protection Rating:** IP54 (Dust and splash resistant)
- **Operating Frequency:** 3.7 kHz to 27.7 kHz (35 frequencies)
- **Search Coil Size:** 9 Inches (X35 coil)
- **Pre-set Programs:** 2 Gold Prospecting, 2 Coin/Jewelry/Relic
- **Customizable Programs:** 2 User Defined

9. WARRANTY AND SUPPORT

The XP ORX Metal Detector typically comes with a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms and conditions, including warranty duration and coverage.

For technical support, spare parts, or service inquiries, please contact XP Metal Detectors customer service or visit their official website.

- **Online Support:** www.xpmetaldetectors.com
- **Warranty Information:** Consult the documentation provided in your product packaging.

