

# INSTRUCTIONS MANUAL

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# I. INTRODUCTION

## *CONGRATULATIONS ON PURCHASING AN XP METAL DETECTOR AND WELCOME TO THE WORLD OF RESEARCH AND EXPLORATION !*

You have invested in a high tech detector with extreme performance, designed and developed in France. Therefore, you are taking part in the development of the research in the field of metal detecting undertaken by our company, we thank you for that.

**ADVENTIS** and **ADX 200** are a clever combination of analog/digital technology and benefits from the latest advances in the field. Our knowledge of that technology has led us to integrate a microprocessor to analyze discrimination signals. This microprocessor, faster for discrimination signal analysis, gives the **ADVENTIS** and **ADX200** an increased power and stability, as well as a better rejection of unwanted targets.

**An important flexibility in the set up of discrimination adjustments** allows you to fit in with the ground you wish to detect.

**The sharpness of the transition between ferrous and non-ferrous**, adjustable with a single turn potentiometer is an addition to maximise performance.

**Our high sensibility "double D" search coils**, provide very good ground penetration.

**Quickstart positions** (red arrows) will allow the beginner a quick start without any difficulties.

You will appreciate the sturdiness and the manufacturing quality of our equipment. Because a metal detector is generally used in extreme conditions, we have given full attention to the most sensitive parts. **ADVENTIS** and **ADX200** are been developed and manufactured with quality components and material, thus ensuring your XP detector a maximum useful life.

**Coil Connector**, developed by XP: waterproof, gold contacts (30 µ gold plated).

**Impact resistant** polypropylene armrest.

**Strong Cable**, designed to resist movement failures.

**Robust Waterproof** search coil.

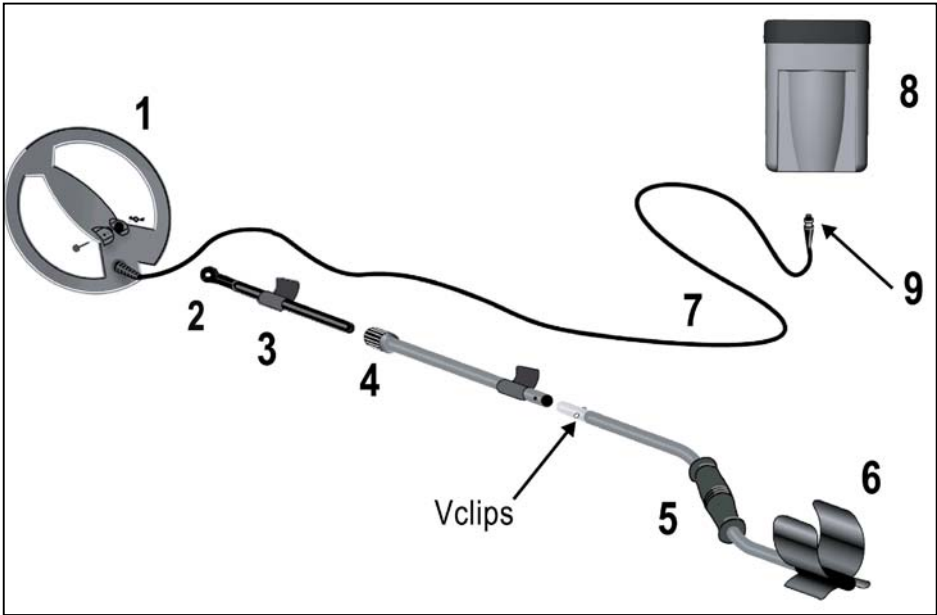
**3 piece stem**

**Fibreglass lower stem**



*Before using your detector for the first time, we recommend that you read this instruction manual carefully in order to make full use of its abilities.*

## II. DESCRIPTION



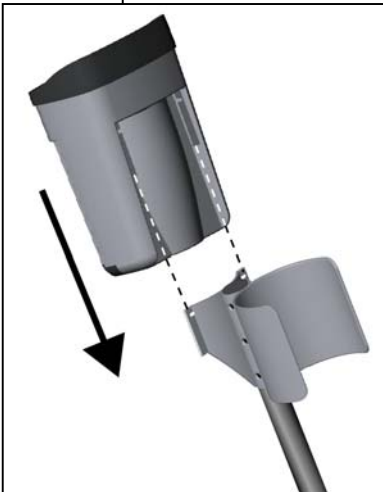
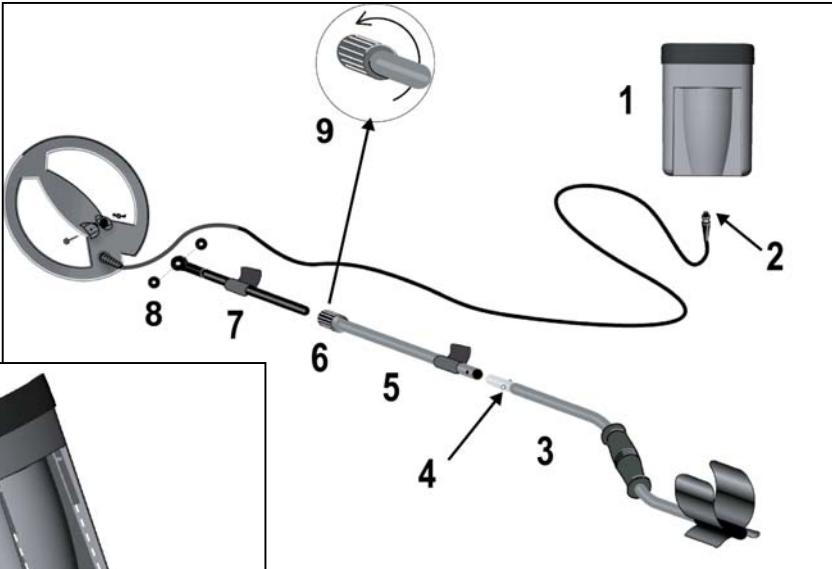
- 1 - Robust, waterproof search coil. Diam. 9" (22.5 cm), provided with coil cover
- 2 – High impact plastic end
- 3 – Fibreglass lower stem
- 4 - Twist lock
- 5 - Comfortable foam handle
- 6 – Impact resistant polypropylene armrest
- 7 – Strong cable, designed to resist movement failures.
- 8 - ABS electronics box. For a maximum comfort, the box is worn hipmounted. It can also be fixed to the armrest thanks to slide specially designed for that purpose.
- 9 - Waterproof connector.

# III. ASSEMBLY

The assembly of your detector will only take you a few seconds.

Put the shaft together as shown on the diagram.

1. Press the 2 shafts (3) and (5) one towards the other to help the spring clips (4) locate themselves.
2. The twist lock (6) is used to stop the movement of the fiberglass tube (7) inside the aluminium shaft (5). Release it before inserting the fiberglass tube and then lock it without forcing too much as shown on the diagram 9 once it is inserted to the right length.
3. Put the 2 rubber washers on each side of the plastic end (8). To facilitate the insertion you can dampen the rubber washers. Insert the plastic end on the search head and screw the nylon bolt through the hole, lastly attaching the nylon nut.
4. Wind the cable around the shaft.



5. The electronics box (1) goes under the armrest. To fix it, insert the 2 wings of the armrest in the slides of the electronic box, as indicated on the opposite diagram.

### III. ASSEMBLY



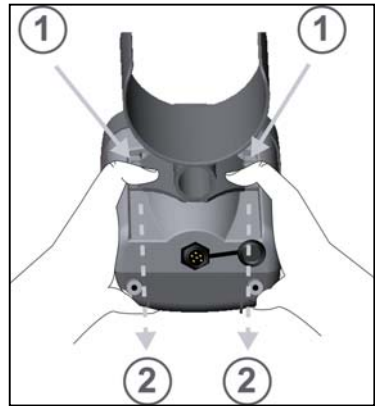
6. Once the control box in place under the armrest, insert the connector (female) (2) in its panel connector (male), lock it, the connector is now watertight.

The control box is now fixed under the armrest as indicated on the opposite diagram.

#### ① *Disassembling*

To remove the control box from the armrest, proceed as indicated below.

1. Put your hands around the control box and press slightly with your thumbs on the side of the armrest ①.
2. Whilst you keep the pressure on, slip the armrest off, and remove completely the control box from the armrest ②.



#### ① *Optional accessory*

With this optional accessory (XP - 100) you can fix the electronic box on the shaft in front of the handle.



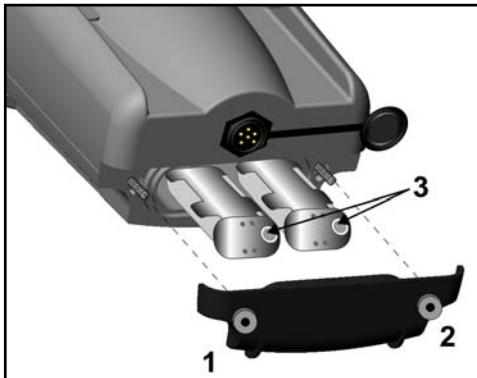
# IV. ALKALINE OR RECHARGEABLE BATTERY, BATTERY LIFE, BATTERY LOW ALERT

## ALKALINE BATTERY

ADVENTIS and ADX200 are powered with 12 volts from 8 AA Alkaline batteries using 2 batteries holders, 4 batteries each.

Pay close attention to the battery + - polarity before inserting the batteries holders in the electronic box.

*The metal rivets (3) of the batteries holder must be on the right.* Screw the nuts 1 and 2 to close the batteries lid.



*In the event of nonprolonged use, remove the alkaline batteries from the detector.*

## BATTERY

A rechargeable battery pack and a charger will allow you to power your detector.

The insertion of the rechargeable battery pack is similar to the Alkaline batteries pack.

**Recharging the batteries can be done in a very simple way:**

Always turn off the detector before recharging batteries. Remove the search coil connector of the electronic box and insert the charger instead. **12 to 15 hours are necessary to have a full recharge.**

- ⇒ Avoid leaving the batteries recharging for more than 20 hours.
- ⇒ Do not recharge your batteries unnecessarily but preferably when fully discharged.
- ⇒ It is advisable to discharge the batteries completely every 3 or 4 charges (for example by leaving your detector on for a few hours after the battery low alert signal).

**WARNING! Before inserting your charger, check that you are not recharging Alkaline batteries.**

## IV. ALKALINE OR RECHARGEABLE BATTERY, BATTERY LIFE, BATTERY LOW ALERT

### ● ————— | BATTERY LIFE

Alkaline batteries  
Batteries

about 45 hours with headphones.  
about 12 hours with headphones.

### ● ————— | BATTERY LOW ALERT

When the battery voltage is too low to power your detector, the detection "beep" of a metallic target radically changes tonality, it becomes higher pitched.

From then, you only have a few detection hours left, depending on the batteries you are using. This has the advantage of warning you in plenty of time about the low condition of the batteries without hindering you whilst searching.

# V. CONTROLS

## SENSITIVITY, I/O SWITCH

Turn the machine on with the **SENSITIVITY I/O** control.

You will hear some quick "beeps" which will tell you that the detector is correctly operating.



The sensitivity level adjusts the detection depth and the stability of your detector. Adjust it according to the surroundings so that you don't get false signals.

### Quick and Easy start

If you are in a hurry to try your detector, set all the controls to the red arrow. The detector is then set up to search for non-ferrous metals.

You will hear some quick "beeps" which will tell you that the detector is operating correctly.

Then you can detect.

**Good luck !**



*Avoid testing your detector inside your house or in shops because you can encounter a lot of metallic and electromagnetic pollution (reinforced concrete, metallic girder and fluorescent lights).*

# V. CONTROLS

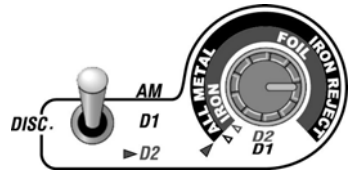
## DISCRIMINATION

The discrimination control depends on the 3 positions **DISC** switch.

3 options are available:

**1<sup>ST</sup> option** : The **DISC** switch is on the **AM** position ("All metal" mode), the detector is then set up in all metal mode. The discrimination control is deactivated.

This mode can for instance be used to locate a target with more precision. When in **IRON REJECT** (D1 or D2), in some cases, a non-ferrous target can be partially masked by a close-by ferrous target. The **AM** mode, more powerful, will help you locate them.



**2<sup>ND</sup> option** : The **DISC** switch is on the **D1** position (grey area), the discrimination control allows the user to go progressively from the all metal mode (potentiometer to the minimum) to the ferrous metal discrimination (potentiometer to the maximum).

**3<sup>RD</sup> option** : The **DISC** switch is on the **D2** position (red area), the discrimination control rejects ferrous objects on the minimum level and can reject foil on the level shown on the front panel of the detector. On **D2** mode, avoid going beyond the **FOIL** level otherwise you might lose useful small targets.

Before using your detector for the first time, become familiar with the sounds of metallic targets (ferrous/non ferrous).

In **IRON REJECT** (**D1** or **D2**), a non ferrous target will produce a deep, full sound which can be repeated at the same spot with each sweep. Most of the ferrous targets will be silent or might produce a choppy sound (short "pops" or "clicks") which can be easily recognized.

### NOTE

*Experienced Detectorists must forget their concerns over the discrimination levels they must not go beyond. The D1 mode is very soft, it doesn't go over iron rejection, so you should not fear pushing the setting 3/4 to the right.*

# V. CONTROLS

## SILENCER

*Control not available on ADX200*

The silencer can limit false signals caused by iron. Use position I or II if you want a a quieter search. Silencer in position II will allow beginners to get used to ADVENTIS faster.



- 0 : Silencer OFF
- I : Silencer (advised position)
- II : Silencer X 2

Silencer in position 0 or I will enable you to find the decent targets which are close to ferrous targets.

## GROUND

*Control not available on ADX200*

With this control you can correct ground effects and more accurately reject ferrous minerals or any pottery containing iron oxides.

If you are prospecting on grounds loaded with magnetic stones, it might be a good idea to keep a sample of these stones on you to adjust your detector before detecting this type of ground. You only need to move a magnetic stone in front of the search coil turning slowly the **GROUND** control from left to right so as to obtain a total rejection of the stone.



If the mineralization is too scattered, sweep the head on the ground and turn the control progressively from left to right in order to get good stable detector. On mineralised grounds, these procedures will optimise your searches.

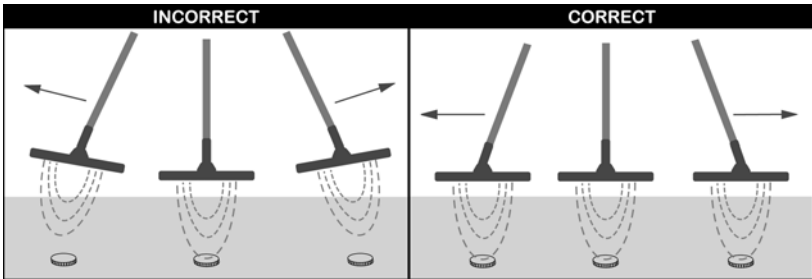


*For maximum depth detection, do not turn this setting towards the right more than necessary. The red arrow indicates a basic position suitable for most ground.*

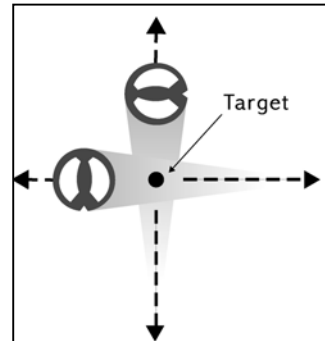
## VI. DETECTING TECHNIQUES

**ADVENTIS** and **ADX200** are motion detectors, which means that a target detection can be carried out only when the search coil is moving.

When you detect an area, it is important to sweep with the head as close as possible to the ground with wide movements, but not making contact with the ground. Keep the head parallel to the ground following the relief as much as possible.



To pinpoint a target, use quick crossed sweeps, with the coil over the target taking note of where the strongest audio signal is received. The exact location of the target is under the centre line of the search coil from front to back and can then be determined by 'x'ing'.



If you feel the performance of your detector is not at it's best:

1. **The discrimination is too high,**
  - ⇒ Set it in **D1** mode with the discrimination control set to the equivalent of 2 o'clock or less.
2. **The ground rejection is too high, (only on ADVENTIS)**
  - ⇒ Adjust **GROUND control** towards the equivalent of a 12 o'clock position or less if the ground doesn't give false signals.

## VII. CARE INSTRUCTIONS

Our detectors are designed to be as robust as possible, However, like any electronic precision instrument, they require some care.

The XP search coil cable has been designed so as to resist long term movement. However you should take some precautions and prolong the life of your detector :

- ⇒ to remove the connector from the control box, it is important never to pull the cable but the connector.
- ⇒ It is important to leave enough slack at the bottom of the cable near the coil to allow for adjusting the coil angle without placing strain on the coil.
- ⇒ It is important not to replace the Velcro with tape as this will centre the movement on one single part of the cable.
- ⇒ when the box is hipmounted, put it on your side or on your back in order not to fold the cable of the connector when you lean forward. (Diagram 1)
- ⇒ when the box is hipmounted, to prevent strain on cable and connector, you should slide the cable through the hipmount bag belt strap. Diagram 2

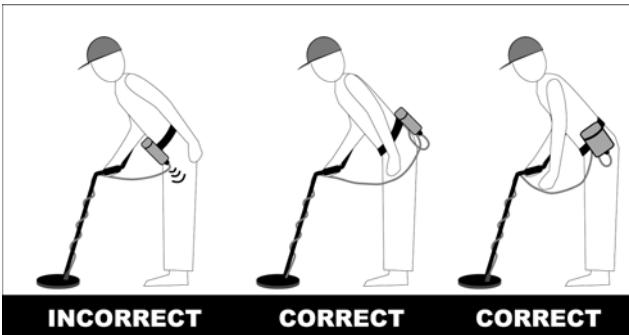


Diagram 1

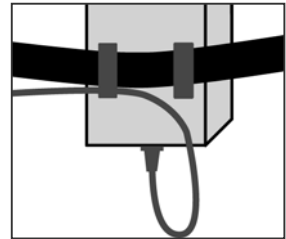


Diagram 2



*Not adhering to these precautions will lead to long term damage of the cable and void the warranty due to user negligence.*

- ⇒ *In the event of nonprolonged use, remove the alkaline batteries from the detector.*
- ⇒ *Do not expose your detector to high temperatures*

## VIII. TROUBLE SHOOTING PROBLEMS

TROUBLE	CAUSES	SOLUTIONS
The sound changes its tone, it becomes more high pitched when encountering metallic targets .	⇒ Low batteries.	Change the batteries .
	⇒ Wrong polarity	Check if you have correctly inserted the batteries in each pack. One battery might be in the wrong way around.
You can't start your detector.	⇒ Batteries are badly inserted or upside down.	Check the way the batteries have been inserted in the 2 battery holders (refer to chapter IV)
	⇒ A 6.35 plug is inserted in the headphone plug.	Remove it.
	⇒ The loudspeaker is defective.	Plug in headphones to check.
You notice excessive false signals without reasons	⇒ The sensitivity is too high.	Lower it.
	⇒ The search coil connector is badly locked to the control box	Lock it without forcing.
	⇒ Your headphone cable is defective.	Change the headphones.
	⇒ You are passing through an area with a lot of interference (high voltage cable, electric transformer, electric fence).	Lower the sensitivity or get away from this area.
	⇒ You are close to other metal detectors.	Move away or lower the sensitivity.
You notice false signals when the search head knocks the ground.	⇒ GROUND control is too low.	<b>ADVENTIS</b> : turn the <b>GROUND control</b> slightly to the right until false signals stop.
		<b>ADX200</b> : ask your retailer to check the internal setting of <b>GROUND control</b>
The detector beeps on potteries, bricks or with certain stones.	⇒ GROUND control is too low.	<b>ADVENTIS</b> : turn the <b>GROUND control</b> slightly to the right until false signals stop.
		<b>ADX200</b> : ask your retailer to check the internal setting of <b>GROUND control</b>

*If the problem persists, contact your retailer for advice.*

## IX. ADVICE TO DETECTORISTS

Detecting is an activity, which like other leisure activities requires some guiding principles. These few recommendations will allow you to fully enjoy it while respecting laws, environment and other people.

- *Enquire about and abide by the laws in force of the country or the state before searching. It is of your responsibility to know them and to abide by them.*
- *Always ask the permission of the land owners where you want to search.*
- *Have regard for the natural environment in which you are searching.*
  - *Don't forget to backfill all holes you dig.*



*Avoid detecting in zones where battles took place during the wars.  
Report any suspect object you might discover to the authorities.*

# X. SPECIFICATIONS

## BATTERIES

8 AA Alkaline batteries or rechargeable batteries (optional).

## ELECTRONIC BOX

ABS electronic box. It can be worn under the armrest in front of the hand (using the optional mount) or hip-mounted.

## SEARCH COIL

Wide scan (Double D), Diameter : 9" (22.5 cm), provided with coil cover.  
Cable length : 2.35 m

## SHAFT

In 3 parts, which can be dismantled, Fibreglass lower stem.

## LOUDSPEAKER

28 mm, 8 ohms, Weather resistant

## HEADPHONES

Jack 6.35 stereo

## FREQUENCY

4600 HZ

## WEIGHT

Box	:	340 gr
Head with cable	:	480 gr
Head + shaft + control box + hipmount bag	:	1425 gr
Full package	:	2100 gr

## WARRANTY

<i>Control unit</i>	:	<i>2 years parts and labour</i>
<i>Search coil &amp; charger</i>	:	<i>1 year parts and labour</i>

# XI. XP ACCESSORIES



**Searchcoil DD High Energy 11" (27 cm)**  
provided with coil cover



**Standard Searchcoil DD 9" (22.5 cm)**  
provided with coil cover



**Elliptical Search coil 5" x 10" (11/24cm)**  
provided with coil cover

*Available summer 2004 :  
Searchcoil DD 45x38 cm*



**Hipmount bag**



**XP T-shirt**  
100% cotton  
Sizes M, L, XL

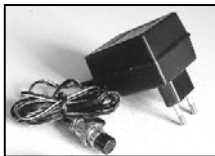


**XP Cap**

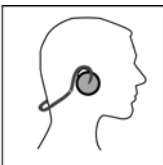


**XP Backpack**

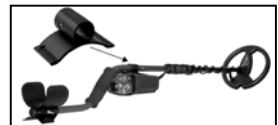
**Batteries Charger**



**Batteries**



***Backphone FX-01***  
-Audio level adjust  
-Impedance and sound adapted to our detectors  
-6.35 jack adaptor  
-Foldable in 3 parts



**XP – 100** : optional accessory use to fix the electronic box on the shaft in front of the handle.

# WARRANTY CONDITIONS

XPLORER ensures a contractual warranty from the date of the purchase.

- ▶ 24 months on the electronic box
- ▶ 12 months on the search coil, detector shaft and its components (armrest, twist lock...) and on the battery charger.

If warranty service should be necessary, the detector must be returned to the reseller, complete, with proof of purchase and a notice explaining the fault. You are responsible for the postage.

Where a faulty detector has been replaced by a new or reconditioned detector, the warranty will carry on.

This warranty (parts and labor) does not cover:

- ▶ damage due to a fall, shock or accident,
- ▶ deteriorations due to an anormal use,
- ▶ degradations due to non-respect of use conditions specified in the instruction manual, cable breakage of the search coil or of one of its conductors,
- ▶ the coil cover.

Any manipulation of the electronic circuit by an unauthorised person will lead to breach of warranty.

XPLORER reserves the right to change the characteristics or specifications of its detector without notice.



[www.xpmetaldetectors.com](http://www.xpmetaldetectors.com)

Web site

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