depar™
Detector

DPR600 Gold Prospecting
USER'S MANUAL
2016

CONTENTS

TECHNICAL INTRODUCTION

Congratulations on the purchase of your DPR 600 and welcome to the world of research and exploration

You have invested in a high-tech metal detector capable of exceptional performance. The DPR 600 has been designed and manufactured in France to give you the ultimate Gold Prospecting experience.

The DPR 600 is innovative in terms of metal detector design as it offers an unique system based on different elements communicating via a digital radio link. In this new design the coil, remote control have each been made independent through the integration of very compact, high-capacity lithium batteries.

An ultra-miniature electronic circuit, incorporated in the search coil, digitises and analyses the signals. Data is then sent to the remote control in real time via a digital radio link. With this method, the signal is processed at source and not conveyed via a wire link, which greatly improves data quality.
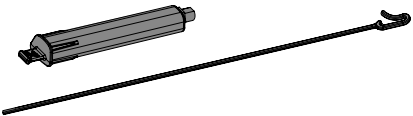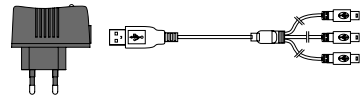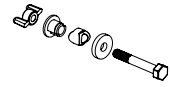
Incorporating components from leading-edge technologies such as scientific instrumentation has enabled us to produce a powerful, rapid, lightweight, compact and fully controllable digital detector.

Whether you are an experienced user or a beginner, The DPR 600 lets you decide whether or not to modify any of its settings. Powerful pre-configured factory programs enable all users to get started immediately, while expert detectorists can choose more advanced parameters via the intuitive interface.

What is described in this manual as the "Remote Control" is in fact the user interface, known as the 'control box' on conventional detectors. It enables the detector's many functions to be precisely adjusted via a graphical interface.

Lastly, the new patented XP stem has the combined advantages of an S-shaped stem and a straight telescopic stem.
It enables you to deploy or fold away the device in just a few seconds, and to change the coil in an instant.
Its user-friendly design ensures comfort and convenience for the user: length adjustable by millimetre increments, improved operating angle and shaped rubber handle for a firm, controlled grip.

LIST OF PARTS

	One user interface (remote control) with case
	One set of wireless headphones with storage case (optional)
	One search coil with coil cover battery wire
	One battery housing - One Strip hook
	One mains power supply transformer-charger
	One connection cable: USB / three mini-B plugs
	One connection clamp for recharging the coil
	One set of coil fastenings
	One assembled fully telescopic stem

02

01

04

03
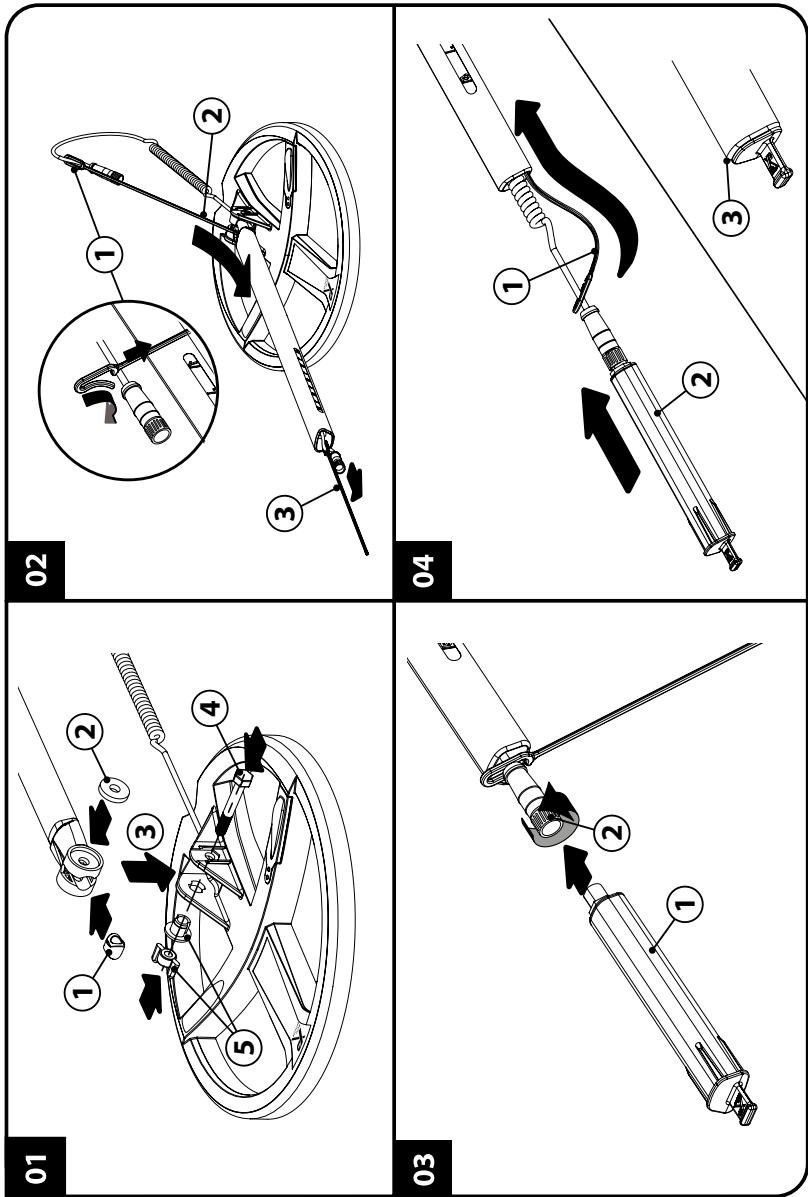
FACTORY PROGRAMS

1 - GENERAL:
Low/average mineralization, great sensitivity on all sizes. Usable in most of the time with great stability.

2 - LARGE GOLD :
Low mineralization with sensitivity for medium / large piece of gold with stability.

3 - FINE GOLD :
Heavy mineralization with sensitivity for small / medium piece of gold with stability.

4 - IRON DISCRI :
Low and high mineralization in trashed area places infested with iron targets.

5 - CUSTOM

6 - CUSTOM

FACTORY SETTINGS

	SENSITIVITY	AUDIO RESPONSE	FREQUENCY	REACTIVITY	DISCRI IAR	THRESHOLD
1 GENERAL	95	4	29 kHz	2	0	0
2 LARGE GOLD	95	4	14.5 kHz	1	0	0
3 FINE GOLD	80	6	53.3 kHz	3	0	0
4 IRON DISCRI	90	4	29 kHz	3	5	0
5 CUSTOM						
6 CUSTOM						

Name of active program

Detection Frequency used
14 - 30 - 57 kHz

Times

Battery level
of coil and remote control
(displayed alternately)

Mineralisation strength

The actual level of ground
effect corrections (use phase
adjustment) from 60 to 99

The ground mineralisation index
(phase measured constantly
for information)

GENERAL   11: 27
30000 HZ
GND LEVEL
GND BALANCE   GND MEASURE
87   90
OPTION   MENU   PROG

Control settings
OPTION>CONFIGURATION>...

PROG   change program

Access to MENU
DISCRI - SENS - FREQ ...

ON/OFF
Access to menu OPTION
Configuration / Programs / Coil
Factory programs

Increase the ground effect
corrections

Increase values

Decrease the ground effect corrections

Automatic capture of the ground
effects. (Ground Grab)

Decrease values

3.5 plug: audio output jack

USB connection for charging
the lithium battery or for updating
the software via internet

- Example of secondary page :
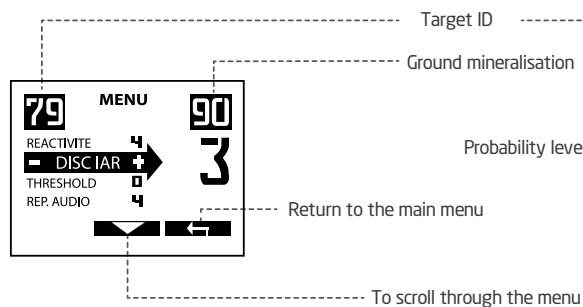
- During the detection of a target :

Target ID

Ground mineralisation

79   MENU   90
REACTIVITE   4
DISC IAR   +   3
THRESHOLD   0
REP. AUDIO   4

GENERAL   11: 27
30000 HZ
TARGET ID   5
IRON PROBABILITY
OPTION   MENU   PROG

Probability level of Iron

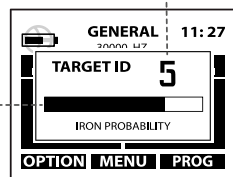Return to the main menu

To scroll through the menu

After charging your device.

1

NON   OUI

2

GENERAL   11: 27
30000 HZ
GND LEVEL
GND BALANCE   GND MEASURE
87   90
OPTION   MENU   PROG

3

≃ 6 inch
≃15 cm

Switch on the remote control

Speaker yes or no validation

To switch off : Press   for 2 seconds

Wait a few seconds

Press ⊕ once to grab the ground
value while pumping the coil on the
ground to calibrate the ground effects.

Restart the operation if the ground
changes or it becomes unstable.

(OPTIONAL)

Press ⊖ to switch on the headphones

To switch off : Press ⊖ and ⊕ buttons simultaneously on the headphones

By default factory program 1 - GENERAL is selected which is suitable for general use.

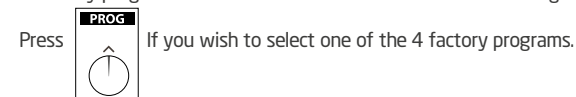Press PROG If you wish to select one of the 4 factory programs.

4 Adjust the **Sensitivity** to stabilise the detector :

1
Press MENU
to access the
features

2
Scroll through
functions
until SENSITIVITY

3
Press + or - to set
the sensitivity

4
Exit with

MENU

MENU

Configuring the main detection settings.

1 Press **MENU**

2 Scroll through the menu by pressing

SENSITIVITY

1 Adjust the Sensitivity level (from 0 to 99) with

2 Exit with

Sensitivity is often described as the setting which adjusts the device's power level. Increased sensitivity levels can enable the DPR 600 to detect deeper targets but many cause an unstable operation.
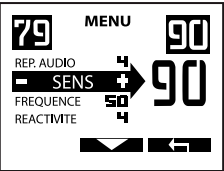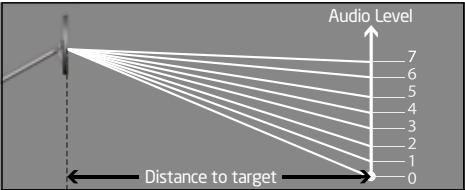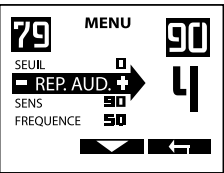
The most commonly used sensitivity levels range from 50 to 80.
It may be necessary to reduce the level if there is too much interference.

! **DO NOT TEST YOUR DEVICE IN YOUR HOME OR IN YOUR GARDEN AS THERE IS CONSIDERABLE ELECTROMAGNETIC AND METALLIC INTERFERENCE IN URBAN ENVIRONMENTS.**

AUDIO REPONSE

1 Adjust the Audio Response from 0 to 7 with

2 Exit with

The Audio Response enables you to amplify the Audio intensity of small or deep targets and therefore to be more aware of them. It gives the sensation of greater power, however it does not provide any additional depth as this setting only affects the signal intensity. (the dynamic range of sounds).

Audio Level

7
6
5
4
3
2
1
0

Distance to target

On mineralised ground containing hot rocks, It's recommended to reduce the Audio Response.

i **BY INCREASING THE AUDIO RESPONSE YOU WILL COMPRESS THE DYNAMIC RANGE AND THUS REDUCE THE APPRECIATION OF THE TARGET'S SIZE AND DEPTH. ON MINERALISED GROUND, REDUCE IT.**
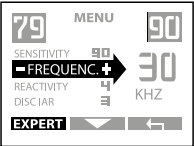
FREQUENCY
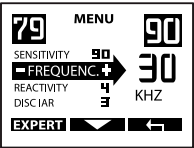
1 Scroll through the frequencies with

2 Exit with

The DPR 600 gives you the choice of Three operating frequencies which cover most detection needs.: **(15kHz, 30kHz, and 50kHz).**
They enable you to adapt your machine to suit a wide variety of gold rich soils and preferred targets

Here is a example of the most likely targets that may be detected according to the frequency:

| 15 kHz	30 kHz	55 kHz
Large to Medium sized gold nuggets	General use for Medium to Small gold nuggets	Small and very small Gold nuggets

FREQUENCY SHIFT

1 Press **EXPERT**

2 Adjust the frequency with

3 Press x2 to return to the main menu.

You can shift your operating frequency slightly to avoid interference generated by another detector in close proximity or electromagnetic interference. (EMI)
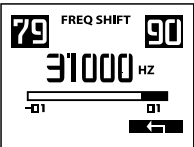
SHIFT	-3	-2	-1	Center Frequency 0	1	2	3
CHANNEL 14K	13,7K	14K	14,3K	14,5K	14,8K	15,1K	15,5K
CHANNEL 29K	27,4K	28K	28,5K	29,1K	29,7K	30,3K	31K
CHANNEL 53K	50,3K	51,3K	52,3K	53,3K	54,4K	55,6K	56,7K

IAR DISCRIMINATION (Iron amplitude rejection)
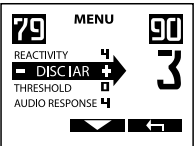
Adjust the IAR (Iron Amplitude Rejection) DISCRIMINATION from 0 to 5. It applies only to targets that produce strong signals – typically shallow ferrous items. It will not reject deeper targets which may come across as ferrous when they are buried in mineralised ground, This is to ensure good targets are not rejected by mistake.

Gold nuggets (buried deeper in mineralised ground) generate a similar target signature to a ferrous item. So in this case it is better to reduce the level of discrimination in order to confidently locate them.

THRESHOLD
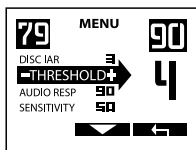
1 Adjust the threshold from 0 to 20 with ⊝⊕

Adjust the threshold to generate a faint background sound.

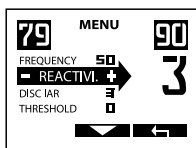The background sound will vary depending to the presence of metallic targets.

REACTIVITY

1 Adjust the Reactivity from 1 to 4 with ⊝⊕

2 Exit with ◄━━

The Reactivity is a vital setting that determines the detector's performance in terms of how quickly it analyses the signal from detected targets, and its ability to separate the signals from several targets located close together. This is also known as Recovery speed. If the soil contains a great deal of iron, hot rocks or other mineralised debris, soil penetration is generally reduced. The DPR 600 enables you to select a high degree of reactivity which will help you speed up the analysis of signals.

On the other hand, if the ground is "clean", it is better to reduce the Reactivity and sweep more slowly. The machine will be more sensitive to deep masses and obtain better ground penetration.

The DPR 600 is a fast and selective detector !
Most likely finds and recommended Reactivity settings are as follows:

1	Large masses and coins, in ground with little iron contamination,
2	General use
3	Difficult soils contaminated with iron, hot rocks, etc.
4	Very difficult soils, highly contaminated with iron and hot rocks.

In terms of pure performance, the greatest detection ranges are obtained with low reactivity levels. However, you will find more targets and will penetrate deeper on mineralised ground with medium or high reactivity levels. So do not just rely on air tests.

Depending on the reactivity level, you will notice that the length of the audio signal varies when it passes over a target:

Low reactivity (1) = long sound   **High reactivity (3, 4) = short sound**

Evidently the length of any false signals (the crackling of iron for example) will vary proportionately as well. You are therefore advised not to constantly change the reactivity level, as this may interfere with your ability to distinguish the difference between good and bad targets.

GROUND

Obtaining an exact ground balance setting is very important for successful Gold prospecting, read this chapter carefully and take time to understandand the different ground balance modes and techniques.

General features

Different levels of soil mineralisation can affect the performance of your detector. For example, this may be due to natural magnetic mineralisation such as iron oxide, hot rocks and magnetite, or sporadic mineralisation from sites of ancient habitation. Other magnetic items include: hearths, pottery, hot rocks, slag, etc. You may also experience high mineralisation from black sand and electrically conductive salt water (Depending on the beach region).

ⓘ **IF YOUR GROUND IS NOT MINERALIZED (CHECK MINERALISATION BARGRAPH BELOW) THERE IS NO NEED TO ADJUST YOUR GROUND BALANCE TO A LEVEL BELOW 88: BECAUSE THE GROUND HAS NOT SENT BACK ANY SIGNIFICANT SPURIOUS ECHO INDICATING LOW MINERALISATION LEVELS.**

On the main menu, 3 values are permanently displayed:
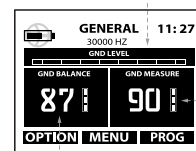
- **Mineralisation strength.** The higher the bar graph, the more mineralized the ground is. Sweep the coil on the ground 10 secondes to evaluate the mineralisation strength. If the level is low, there is less of a need to make any adjustments.

- **The ground mineralisation level** (phase measured constantly for information).

- **The adjusted level of ground effect** (User phase adjustment).

PUMPING MODE
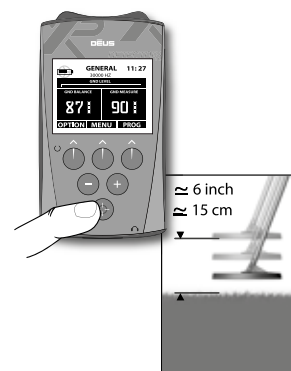
On the controller, press the "Ground Balance" button ⊙ once while pumping the coil to the ground. The DPR 600 will grab and calibrate the current ground value and stabilise your DPR 600. The number on the lower left of the screen (GND BALANCE) displays the users set ground value.

There is no need to keep the "Ground Balance" button ⊙ pressed during this operation. Just press it once during the pumping process and you will hear a sound when the ground value has been calibrated.
If the ground is not eliminated well, follow the same procedure for a more accurate calibration.

Restart the operation if the ground changes or it becomes unstable.

MANUAL MODE

You can manually adjust the ground rejection levels from 60 to 95
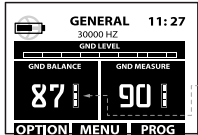
1 Note the right value (GND MEASURE)
2 By using the ⊖⊕ keys adjust the GND BALANCE to correspond with the GND MEASURE reading.

Each ground rejection level from 60 to 95 has additional units of ne tune OPTION MENU adjustment to allow for a better ground adjustment.

OPTION

OPTION

Under the option menu you can save your settings, create new programs and configure your equipment's basic parameters. Press **OPTION**

PROGRAMS

PROG

Press **PROG** to change the programs

Choose From 4 factory programs, you can modify them and create 2 additional user programs.

Save a program

1 Change the settings of one of the four programs as you wish.

2 Then Press **OPTION**, choose **PROGRAMME** and press **SELECT**

3 Choose **SAUVEGARDE** and press **SELECT**

4 Select an unused slot (5 or 6) with **▼** then press **SAVE**

COIL

When first purchased, The DPR 600 is only configured to operate with its original coil. If you have one or more optional coils which have already been paired (see below), you can select which one you want to use, from the list in the menu.

1 Choose **COIL** with **▼** and press **SELECT**
2 Switch on the headphones close to the remote control.
3 On the remote control, press **▼** to scroll through the list of available coils and stop on the one you wish to activate. This coil automatically becomes active within 4 seconds, while the previous coil reverts to standby mode.
4 Pressez **←** (x 2) pour revenir à l'écran principal.

ⓘ **If you switch on the headphones after changing the coil via the remote control, the headphones will not automatically register this change. You will therefore need to change the coil manually via the headphones.**

Pairing the remote control and the headphones with a new coil

If you purchase an additional coil, you need to pair it with the remote control and the headphones the first time you use it, to enable DPR600 communicate with it. You can then switch between coils just with a simple click via the remote control. To pair a new coil you have to enter its serial number in the remote control.

The serial number is printed on the coil and is sometimes found on the invoice as well.

- **Before pairing a new coil, turn on the headphones and remote control.**
- **Check that they both work correctly with your original coil.**
- **Keep the headphones, remote control and also the new coil close to each other and follow the following steps:**

Entering the serial number

1 At the point where the cursor is flashing, scroll through the characters. using ⊖⊕ and press **→** to advance to the next digit. .
2 At the sixth digit press **VALID** then **←** X2 to return to the main menu. The remote control now adds this new coil to its list, then transfers the updated list to the headphones.

If the headphones do not recognise this coil, for example because they were switched off while the serial number was being entered in the remote control, You then have 2 options to pair it:
1: Turn on the headphones and the remote control with the previous coil (for example the original one). The list of coils from the remote control will be sent automatically to the headphones.
2: Enter this new coil's serial number manually in the headphones as well (pg 16).

A coil's serial number is unique. The headphones or remote control cannot function with a coil if the number entered does not correspond to the actual serial number printed on the coil.

Delete coil in the list

[1] Choose the coil and press SELECT

[2] Choose EDIT SERIAL NUMBER and press SELECT

[3] Delete all Characters with ◄— and replace by 6 zero's " 000000 ", finally press VALID

CONFIGURATION
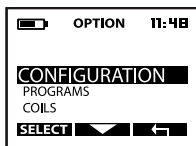
This allows you to modify the remote control's general settings.

	OPTION	11:48
CONFIGURATION		
PROGRAMS		
COILS		
SELECT	▼	◄—

[1] Press OPTION

[2] Choose CONFIGURATION with ▼— then press SELECT

Loudspeaker

Enables the remote control's loudspeaker to be activated or not.

Duration of backlighting

The remote control screen has a backlight function which will activate as soon as any button is pressed and then switches automatically after a certain length of time.
You can define this time in seconds: **OFF - 3s - 10s - 60s - 120s - ON (permanent)**

Contrast

To improve readability in all lighting conditions you can adjust the contrast of the display.

Clock

This changes the clock setting that is displayed on the main menu.

Updates

The software can be updated via the USB interface and an internet connection.
By using the single USB cable.

OPTIONAL

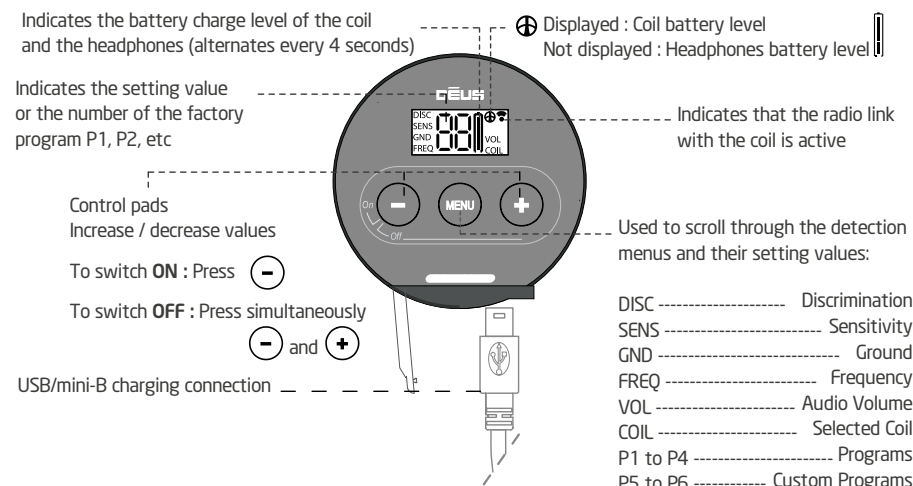WS4 and WS5 have the same functions

WS4

WS5

Indicates the battery charge level of the coil and the headphones (alternates every 4 seconds)

⊕ Displayed : Coil battery level
Not displayed : Headphones battery level

Indicates the setting value or the number of the factory program P1, P2, etc

Indicates that the radio link with the coil is active

Control pads
Increase / decrease values

To switch **ON :** Press ⊖

To switch **OFF :** Press simultaneously
⊖ and ⊕

USB/mini-B charging connection

Used to scroll through the detection menus and their setting values:

DISC --------------------- Discrimination
SENS ------------------------- Sensitivity
GND ------------------------------ Ground
FREQ ------------------------- Frequency
VOL ----------------------- Audio Volume
COIL ----------------------- Selected Coil
P1 to P4 ----------------------- Programs
P5 to P6 ------------- Custom Programs

MENU

The headphones have their own menu.

With the remote control switched ON: Only the headphone volume control can be adjusted.

With the remote control switched OFF: All the settings in the headphone menu can be adjusted.

Press MENU to access the different menus

- **DISC:** discrimination settings from 0 to 5 (more info pg 09). Adjust with ⊖ ⊕
  A flashing digit represents a digit after the decimal point.
- **SENS:** sensitivity from 0 to 99 (pg 08).
- **FREQ:** Choice of frequency used (pg 09).
- **VOL:** Adjusts audio volume in headphones from 0 to 9.
- **COIL:** Choice of coil used when several are available. The coils are numbered according to the order in which they were entered:
  01 = Original coil / 02= Coil 2 / 03= Coil 3, etc.

If you are detecting with the remote control and you use it to select a new coil, the headphones will automatically register this change (if they are switched on). Otherwise it can be done manually with this menu.Always leave the headphones switched on when you are changing the coil via the remote control, otherwise they will not register the change and will remain connected to the previous coil. If this should occur, use the remote control to return to the previous coil (with the headphones switched on) and switch to the new coil again to re-register it with the headphones.

Remember that before you can use a new coil for the first time, you need to enter its serial number into the headphones and remote control (pg 16).

Pairing the Headphones with a new Coil

When delivered, the headphones and remote control have already been paired with the original coil, so no action is required on your part. However, if you purchase an additional coil, before using it for the first time you need to pair it with the remote control and the headphones, to enable it to recognise and communicate with them.You can then change coils with a simple click using the remote control (pg 13) or your headphones (pg 15).

If you leave the headphones switched on when you pair the remote control with a new coil, they are also paired with this new coil, which is then added automatically to the list in the headphones menu (pg 16). If you do not have the remote control, or in the event of a problem, you can manually pair the headphones with a new coil. To do this you need the serial number of the coil to be paired:

1. Press (MENU) and scroll until **COIL** it visible.
2. Choose the flashing free slot with ⊖ ⊕ for example 02 (01 is already assigned to the original coil). If this coil has already been paired with the remote control, ensure you choose the same slot number in the headphones.
3. Press ⊕ for 5 seconds to switch to serial number entry mode.
4. With ⊖ ⊕ enter the first digit of the serial number then validate it with (MENU)

Continue in this way until you reach the sixth digit.
The new coil is now operational in this slot and should become active.

A coil's serial number is unique. DPR 600 cannot use a coil if the number entered does not correspond to the actual serial number printed on the coil (and sometimes appearing on the invoice as well).

Delete Coil

1. Press (MENU) until you reach COIL, then press ⊖ for 5 seconds.
2. Choose the flashing coil to delete with ⊖ ⊕ , and press (MENU) to validate.

Programmes P1 - P4

1. Press (MENU) until you reach P1/4 screen.
2. Scroll with ⊖ ⊕ and choose the program number.

Programs are identical to those in the remote control and are numbered in the same way from 1 to 4. e.g. P3 headphone = factory program 3 in the remote control.

ⓘ Each time the remote control is switched on next to its accompanying heaphones, all the remote control's settings are loaded into the headphones,and stored within the memory. The uploaded settings are retained even when the headphones are switched off.

Save a modified program   (P5 - P6)

Save a program after making changes to settings:
1. Press ⊙ until you reach PROGRAMS (P1,...), then press ⊕ for 5 seconds
2. Choose the flashing free slot with ⊖ ⊕ (from P5 to P6)
3. finally save your programs by pressing (MENU) .

Replacement of the backphone

Backphone

WS4 electronics

The electronics module of the wireless headphones contains all the circuitry and the lithium battery, it represents your headphone's brain! **(ref: D091)** Fitted on a sliding support, it has the advantage of being able to disconnect from the backphone with a single click.This backphone is an inexpensive spare part that can easily be replaced by yourself **(ref: D096).** Available from all our resellers.

POWER SUPPLY-BATTERIES

BATTERY STATUS
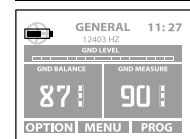
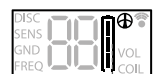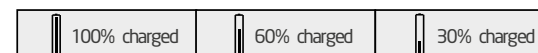**The remote control alternately displays :**
The symbol 🔋 which indicates the coil's charge level.
The symbol ▭ which indicates its own charge level.

If you only use the headphones without the remote control, you will also need to know the coil's charge level.

Visible = niveau de **charge du disque.**
Invisible = niveau de **charge du casque.**

| ▐ 100% charged | ▐ 60% charged | ▐ 30% charged |

POWER SUPPLY-BATTERIES

BATTERY LIFE

HEADPHONES: 27 hours / **REMOTE CONTROL:** 27 hours / **COIL :** ± 28 hours

The search coil's battery life may vary depending on the modes used. The table below shows battery life according to frequency and power selected.

Frequency	15 kHz	30 kHz	55 kHz
Power usage	37.6 mA	28.3 mA	26.6 mA
Battery life	20 H	27 H	28 H

May vary depending on the age of the battery.

The DPR 600 is regulated in such a way that low battery levels will not affect the machines performance.

CHARGING TIME

COIL - HEADPHONES - REMOTE CONTROL: 3 Hours.

LiPo batteries (Lithium polymer) do not suffer from the 'memory effect' so you can recharge them at any time without first having to wait for them to fully discharge.

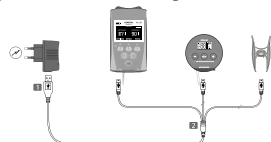The LED on the coil is on continually when charging is underway.

When charging is complete, the LED reverts to flashing intermittently.
**(3 seconds ON, 3 seconds OFF)**

CHARGE

You should use the power adaptor supplied, which enables all three elements to be charged simultaneously when used with the USB/3 mini-B cable, also supplied.

The search coil is charged via the connection clamp supplied, which is connected to the coil according to the grooves in the coil cover. You will see that the clamp is shaped in such a way to prevent it being connected the wrong way round.

Correct | Incorrect
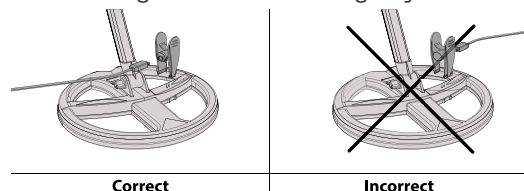
ENSURE THAT THE CLAMP IS THE RIGHT WAY ROUND BEFORE CONNECTING IT TO THE COIL. DO NOT ADJUST AFTER FITTING, IT CAN TAKE UP TO 10 SECONDS FOR THE LED TO ACTIVATE.

The LiPo batteries are designed to bear hundreds of charges and to last several years in your detector, thus resulting in significant savings in terms of purchasing of batteries. After 400 charging cycles the battery still has 80% of its capacity, which then gradually begins to decrease over subsequent cycles. Attention: long-term storage of discharged batteries may reduce their overall durability. If the detector has to be placed in storage, first charge the batteries to half of their capacity (40 to 70%)

Ideally you should then discharge/recharge them at least once a month.

DO NOT STORE YOUR DEVICE FOR LONG PERIODS WITH DISCHARGED BATTERIES!

REPLACING BATTERIES

The batteries for the wireless headphones and the remote control are easy to replace as they are connected to the circuit with a mini-connector and double-sided adhesive tape.

The search coil battery is inside the lower stem, see the description of assembly (pg 04)

PRECAUTIONS RELATING TO USE OF THE POWER ADAPTOR AND BATTERY

Acceptable ambient temperature during charging: **from 0°C to + 40°C Maximum.**
Recommended storage temperature: **25°C.**

Batteries

- **The batteries are fitted with internal protection systems which shield them from extreme overloads and discharges. They must not be dismantled or short-circuited, which is dangerous.**
- **Do not leave batteries charging unnecessarily.**
- **If you notice any perforation, odour or other anomaly, please take the battery to a designated collection point**
- **Never dispose of lithium batteries with your household waste: return them a collection point.**
- **Do not place the batteries near heat sources and never throw them onto a fire**
- **Never perforate the battery cover or try and weld/solder the battery.**
- **Risk off explosion if battery is incorrectly replaced.**
- **Replacing the battery with an incorrect type can lead to an explosion risk. Only use a LiPo batteries**
- **Acceptable ambient temperature during charging: from 0°C to + 40°C Maximum.**
- **If you notice an abnormal overheating of support elements, immediately unplug the power supply and do not attempt to recharge.**
- **Do not travel by air with a defective or questionable battery.**

Power adaptor

- **The power adaptor is only designed for indoor use and should not be exposed to water or humidity.**
- **Always connect your power adaptor in an accessible, visible place to ensure that it can be unplugged quickly in the event of overheating or other problems.**
- **Use the special XP chargers and the recommended charging method to charge the battery, do not use other chargers, that may cause the battery to short-circuit, over heat, or explode.**
- **Do not charge the devices during a thunderstorm and unplug the power adaptor from the supply.**
- **Do not charge close to inflammable parts or substances.**

Xplorer shall not be held liable for any consequences arising from a failure to comply with the precautions for use.

PRACTICAL INFORMATION

ADVICE BEFORE BEGINNING DETECTING

Metal detecting is a fascinating leisure activity that can bring you a lot of satisfaction. However, it requires a minimum of learning in order to get the most enjoyment. Begin by familiarising yourself with your equipment and its operation on a suitable practice ground. To do this, we recommend that you take an assortment of different objects: coins, everyday items, metal rubbish, etc. Then find a patch of ground relatively free from metal pollution and far away from any electromagnetic interference (high voltage power lines, electric fences, domestic appliances, etc.). For instance your garden would probably be one of the most unsuitable places to begin as there is too much domestic waste in the vicinity.

arrange your objects on the ground then, take some time to observe your device's reactions when it passes over each target.

When detecting, it is important that you sweep the coil parallel to the ground, using wide movements, as close as possible to the surface. Proximity to the ground will increase the likelihood of detecting a deep target and will enable the most discreet objects to be identified more easily.

CORRECT INCORRECT
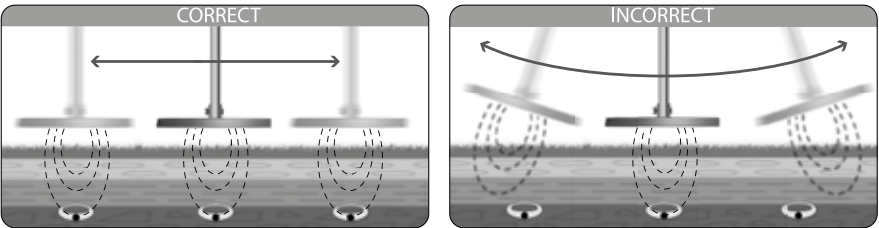
LOCATING TARGET USING CROSSED SWEEPS IN MOTION MODE
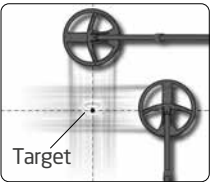
Target

If you are having difficulty locating the target then sweep the place where you heard the sound. Move a quarter turn around the spot and begin sweeping again in the same way. You should then locate the precise zone containing your target at the intersection of the two sweeps, where the sound is loudest.

TROUBLESHOOTING

You become aware of abnormal performance, instability, false signals, interference, for no apparent reason

CAUSES	SOLUTIONS
Sensitivity is too high.	Lower it.
You are in a zone with a lot of interference (high-voltage power lines, electric transformer, electric fence).	Lower the sensitivity change frequency/ frequency shift or move to a different zone.
There is a storm nearby and the electromagnetic discharges of lightning are interfering with the detector.	Switch off and wait for the storm to pass
You are close to other working metal detectors.	Change or shift the frequency (pg 09). or move further away.
The ground balance is set too low.	In manual mode set it
The ground is heavily infested with iron and other metals.	Find a less infested place. Don't practice in your garden!

The coil does not switch on, unlike the remote control and the headphones

CAUSES	SOLUTIONS
You have a different coil selected in the menu : OPTION / Coil from the remote control or in the menu COIL from the headphones.	Select the corresponding coil (pg 13 and 15).
The serial number of the coil that you had entered in the remote control was incorrect or was changed inadvertently.	Check the coil's serial number (pg 13).paying attention to D & 0 also B & 8.
The coil battery is discharged	Recharge it.
The coil is defective.	Contact your reseller.

There is no detection sound in the headphones despite them being switched on (and pressing the buttons generates an audible beep)

CAUSES	SOLUTIONS
Check that you do not have a different coil selected in the COIL menu (pg 15). (headphone)	Select the right coil (pg1 5).
The headphones have not yet been paired with the coil.	Pair them (pg 16).
The coil's serial number was changed inadvertently in the headphones and the headphones are no longer paired with the coil.	Pair them (pg 16).

There is no sound in the headphones when passing over a target and pressing the buttons generates no audible beep

CAUSES	SOLUTIONS
The backphone is faulty.	Change it, it is easy to replace (pg 17).
The earpiece is faulty, for example its keypad was poorly reconnected to the circuit after being dismounted, or the audio contacts are faulty or dirty.	Contact your reseller

Coil
Ref: DGP01

Lower Stem
Ref: DGP03

Plastic holder
for remote control
(with screws)
Ref: D05B

Coil cover
Ref: D02

Middle part of aluminium stem
Ref: D04

Full Camlock
Ref: D041BLEU

The Clamp
Ref: D0894

Locking parts for handle
Ref: D061

Handle
Ref: D06BLEU

① ② ③ ④ ⑤

Screwing kit for search coil
Ref: DGP038D

Full Camlock
Ref: D041BLEU

Locking parts for handle
Ref: D061

FULL REMOTE CONTROL - **Ref: D08**

FULL HEADPHONES - **Ref: D09**

Rubber Top
Ref: D084

Top part
(with keyboard)
Ref: D081BLEU

Rubber
Ref: D086

Rubber
Ref: D086

Rubber bottom
Ref: D085

Board PCB
Ref: D083
(With LCD and battery)

Bottom Part
Ref: D082B
(with speaker)

LCD - **Ref: D087**
Battery- **Ref: D088**
Speaker - **Ref: D089**

Backphone
Ref: D096

Full electronic box
Ref: D091

Top part (with LCD and keypad) **Ref: D092B**

PCB (with Battery) **Ref: D093**

Circular Rubber & 2 "O"rings **Ref: D095B**

Bottom part **Ref: D094B**

Battery - **Ref: D088**

The DPR 600 is a precision device, designed to be as robust as possible. Despite this, it is important to take care of it and exercise certain precautions in order to prolong its life

• Do not store your device for long periods with discharged batteries.
• Ideally you should discharge/recharge the batteries at least once a month, and if possible store them 40 to 70% charged (▭▭▭) .
• Do not expose your detector to extreme temperatures, particularly inside a car in full sun.
• Do not expose your detector to the sun without reason when it is not being used.
• The remote control of your detector is not waterproof. In wet weather be sure to protect it !
• Use the storage case that is supplied with the headphones and never carry them at the bottom of a bag without protection.
• Use the case that is supplied with the remote control to protect it in adverse conditions, and when the detector is stored away.
• Do not use solvents or alcohol to clean the detector. Soapy water is sufficient.
• Depending on how you use your detector, it may be advisable to clean its elements regularly. A damp cloth can be used to clean the non-waterproof parts (headphones and remote control).
• After use, remove any dirt from the stem's locking mechanisms.

ACCESSORIES

Car charger

Emergency charger with AA battery (x1) with torch function (Battery not provided)

Solar Charger

FX-01

WS4

WS4 Clip jack adaptor
Connect your own headphone

WS4 Stem support

Wirstband WS4

WS5

Hipmount case

Protective silicone case

Armband case

Kits: Waterproof armband 5 metre +
Aerial antenna (available in 1m15 and 2m50)

DEUS transport case

SPECIFICATIONS

Radio	
Link –	Digital wireless
Channels –	36 automatic channels
Radio Frequencies and Radio power –	2.4 GHz / 0,56 mW
Settings	
Detection Frequencies –	15 / 30 / 53 kHz + 21 Shifts
Sensitivity –	99 levels
Reactivity –	4 levels (Remote only)
Audio Response –	8 levels (Remote only)
Ground balance –	Automatic Pumping, Manual
Discrimination –	IAR (Iron Amplitude Rejection)
Target ID –	Audio and visual
Factory programs –	x 4 + 2 customisable programs
Audio Volume –	Yes - wired headphones and wireless headphones
General features	
Display screen –	8192 pixels
Backlignting –	Yes, very low power consumption
Software updates –	Yes, via USB / Internet connection
Wireless hgeadphones –	Yes (can also serve as control unit), weatherproof.
Coil –	DD - Carbon fibre - Waterproof - Wireless
Coil cover –	Yes
Belt-mounted remote control case –	Yes
Headphones storage case –	Yes
Stem –	Fully telescopic, S-shaped
Batteries –	Lithium polymer, miniature x3
Battery level indicator –	Yes, for all 3 elements
Remote control battery life –	27 hours
Wireless headphones battery life –	27 hours
Coil life –	20 to 28 hours
Mains power charger –	Yes - rapid and simultaneous charging of all 3 elements. Input 100-200V 50/60Hz, Output 5V ⎓ 1A
Field charger –	Optional, with 1 AA battery & torch function
Car charger –	Optional
Charging time –	Coil / Headphones / Remote control: 3 hours
Total weight with batteries –	900g (800 g without remote control)
Total weight of stem –	455 g
Weight of remote control with batteries –	100 g
Weight of headphones with battery –	86 g (WS4), 255 g (WS5)
Weight of coil –	345 g with coil cover
Length of folded stem –	58 cm
Length of deployed stem –	130 cm
Operating T° –	-5°C to 50°C
Max ambient T° during changing –	0°C to 40°C
Waterproof coil –	Yes, but need the optional antenna required for use with the coil submerged
Guarantee –	2 years parts and labour.
Patents –	US 7940049 B2 - EP 1990658 B1

RECOMMANDATIONS TO DETECTORISTS / THE LAW

Detecting is an activity which, like other leisure activities, requires a few general guidelines. These recommendations will enable everyone to enjoy their hobby to the full while respecting laws, places, the environment and other people.

Respect the law:

- Ensure you are familliar with your local legislations relating to the detection and recovery of treasure, always abide by the law.
- Before prospecting on a site, obtain permission from its owner(s) or guardian(s).
- Respect the natural environment in which you are prospecting and any other places to which you need access.
- Systematically back-fill any holes you make so as to leave a site exactly how you found it.
- Keep any rubbish you find in order to dispose of it in a dustbin.

Avoid detecting in areas where battles are known to have taken place during wartime. Exercise extreme caution with any suspect object resembling munitions, grenades, mines, shells, bombs, etc. and notify the relevent authorities (police, local authorities, etc.) of any such object you find.

Remember that you are an ambassador for metal detecting and it is important that you convey a positive image!

DECLARATION OF CONFORMITY

CE This declaration is made under the responsibility of the manufacturer:

XPLORER SARL - 8 rue du Développement – F-31320 CASTANET-TOLOSAN

We, XPLORER, hereby certify that this detector complies with the essential requirements of European R&TTE Directive no. 1999/5/EC, which aims to harmonise legislation in member states on the use of the radio spectrum, electromagnetic compatibility and electrical safety.
Assessment of the device's compliance was carried out in accordance with the essential requirements of this directive and the harmonised standards:

Declaration date : September 10th, 2009

For more information please contact:
XPLORER SARL - 8 rue du Développement – F-31320 CASTANET-TOLOSAN - FRANCE

IC This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Recycling of electrical and electronic waste in the European Union and the other countries/regions in accordance with selective waste sorting procedures

If this symbol is displayed on the product or its packaging, it means that the product must not be disposed of with your household waste. You must take it to a designated collection point for recycling electrical and electronic waste. This selective waste sorting and recycling helps to preserve natural resources and avoid any potential risks for human health and the environment that could result from inappropriate scrapping, due to the possible presence of dangerous substances in the electric and electronic equipment. For more information on places where you can take your electrical waste, please contact the shop where you purchased this product. Alternatively you can return it to your supplier. The same is true for the lithium batteries which must be recycled appropriately, or returned to your supplier.

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XPLORER SARL - 8 rue du Développement – F-31320 CASTANET-TOLOSAN FRANCE
And DEPAR, Office 203, Khalfan Building Khaleej Rd. P.O.Box 95018 Dubai - UAE.

DPR 600 - 2 YEAR LIMITED WARRANTY

This detector has a 2 year parts and labour warranty.

This warranty does not cover:

• Breakage caused by falls, impacts or accidental damage
• Damage caused by abnormal use or resulting from non-compliance with the conditions of use stipulated in the device's instructions
• Alteration of the electronic circuit by any unauthorized person.
• Corrosion of electronic circuits, due to water ingress
• A reduction in battery life due to battery ageing.
• Breakage of cables or wires

Parts that are subject to normal wear and tear like: headphones earpads, coil bolts & fittings, cases are not covered by the 2 year warranty

In the event of any fault or malfunction please contact your XP dealer for advice, should any part require returning to them or the distributor it must be accompanied by a note explaining the fault, carriage/shipping cost is the customer's responsibility. Proof of Purchase is required to make a claim under this warranty. If a faulty device has been replaced by a new or reconditioned one, the warranty will continue from the original purchase date.
DEPAR, Office 203, Khalfan Building Khaleej Rd. P.O.Box 95018 Dubai - UAE. Tel: +971 4 250 9781 Mob: +971 555 250 888 Fax: +971 4 250 9782 info@depardetector.com www.depardetector.com

Xplorer se réserve le droit de modifier les caractéristiques ou spécifications de ses détecteurs sans préavis.

After charging your device.

Switch on the remote control

Speaker yes or no validation

To switch off : Press ⏻ for 2 seconds

Wait a few seconds

≃ 6 inch
≃ 15 cm

Press ⊕ once to grab the ground value while pumping the coil on the ground to calibrate the ground effects.

Restart the operation if the ground changes or it becomes unstable.

By default factory program 1 - GENERAL is selected which is suitable for general use.

Press [PROG] If you wish to select one of the 4 factory programs.

4 Adjust the **Sensitivity** to stabilise the detector :

1 [MENU]
Press MENU to access the features

2
Scroll through functions until SENSITIVITY

3 − +
Press + or - to set the sensitivity

4
Exit with

Version no 03.08.16

Depar Detector

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