

# GPX6000

## POCKET GUIDE

This is an abbreviated guide. Read the full-length GPX 6000™ User Manual at [www.minelab.com/GPX6000manual](http://www.minelab.com/GPX6000manual)

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## Quick Start

Beginning with Factory Default Settings is recommended before using this Quick Start procedure.



**1** | **TURN ON**



**2** | **RAISE AND LOWER  
COIL FOR 10 s**



**3** | **BEGIN DETECTING**

# Factory Reset Procedure

Factory default settings can be restored at any time by conducting a Factory Reset.

## START ▶

**1.** Ensure the detector is powered off.

**2.** Press and hold the power button for 7 seconds.

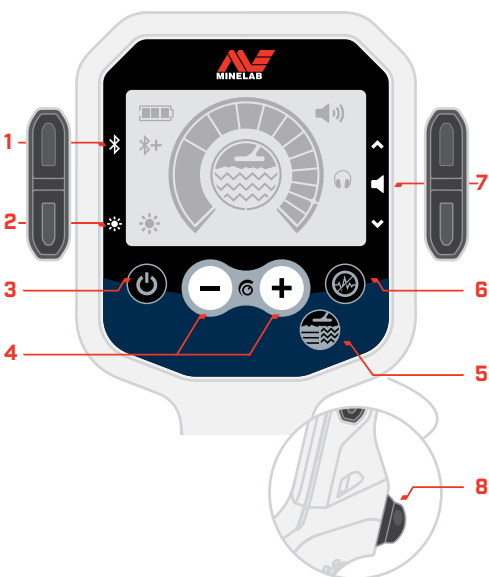


**3.** 'FP' (Factory Preset) is displayed.

**FP**

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## Controls



### 1. Bluetooth® Control

Enables Bluetooth® for connection of wireless headphones.

Initiates Bluetooth® pairing mode for connecting Bluetooth® headphones (long-press for at least 2.5 s).



### 2. Backlight Adjust

Cycles through the backlight brightness settings – high, medium, low and off.



### 3. Power On/Off

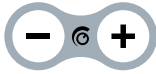
Turns the detector on and off.

Restores factory default settings (press and hold from off for at least 7 s).



### 4. Sensitivity Adjust

Adjusts the sensitivity level.



### 5. Ground Type

Toggles between Difficult and Normal Ground Type.

Toggles between the Threshold On/Off settings (long-press for at least 2.5 s).



### 6. Noise Cancel

Initiates the Noise Cancel process.

When a Double-D coil is connected, toggles between the Double-D Modes – EMI Cancel and Conductive Ground Cancel (long-press for at least 2.5 s).



### 7. Volume Adjust

Adjusts the audio Volume Level.

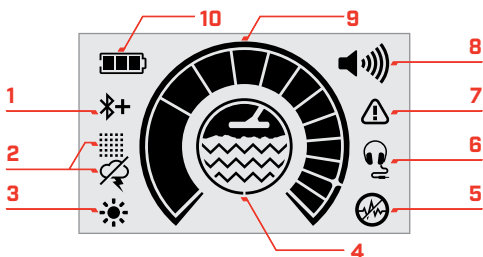


### 8. Quick-Trak

Press and hold Quick-Trak Ground Balance to conduct a Ground Balancing operation.



## Display





### 1. Bluetooth® Indicator

Indicates that Bluetooth® wireless audio is on.

-  Bluetooth® Qualcomm® aptX™ Low Latency
-  Standard Bluetooth

### 2. Double-D Mode Indicator

Only available when using a Double-D coil.

-  Electromagnetic Interference (EMI) Cancel (default)
-  Conductive Ground Cancel

### 3. Backlight Indicator

Indicates that the backlight is on.



### 4. Ground Type

Displays the selected Ground Type.

-  Difficult (default)
-  Normal



### 5. Noise Cancel

Flashes when Noise Cancel is in progress.



### 6. Headphones Connection

Indicates that headphones are connected.

-  Bluetooth® headphones connected.
-  Wired headphones connected

### 7. Error

Indicates that there is a system error.



### 8. Volume Level

Displays the detector audio volume.



### 9. Sensitivity Level

Displays the sensitivity level.



Levels 1 to 10 are manual settings.



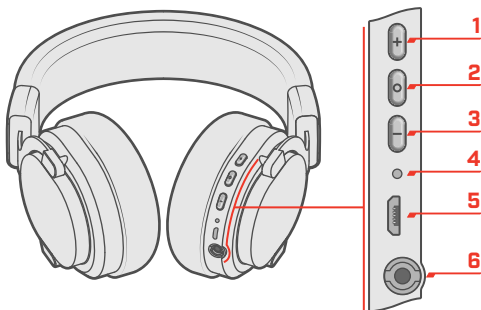
Levels 11 and 12 are automatic settings – Auto, and Auto+.

### 10. Battery Level

Indicates the current battery level.



# Bluetooth® Headphones








**1. Volume Plus button (+)**

**2. Multi-function button**

**3. Volume Minus button (-)**

**4. Status LED**

-  Pairing mode (alternating blue and red)
-  Connected (flash every 3 sec)
-  On, not connected (flash every 2 sec)
-  Charging
-  Charging complete (Off)

**5. USB Micro-B charging socket**

**6. Headphone socket 3.5 mm (1/8 inch)**

# Pairing the ML 100 headphones

## START ▶

1. Make sure headphones are off, and close to the detector.

Ensure the headphones are turned off and are no more than 1 metre (3.3 feet) away from the detector.

2. Turn on the headphones and enter pairing mode.



Press and hold the Multi-Function button on the headphones until two ascending tones are heard and the Status LED alternates blue and red.

3. Enable Bluetooth® on the detector and enter pairing mode.



Press and hold the Bluetooth® button on the side of the GPX 6000™ control panel until the Bluetooth® indicator begins to flash rapidly.

*For first-time use of the detector or following a factory reset, a short press of the Bluetooth® button will immediately initiate the pairing sequence.*

4. Headphones will automatically connect.



If pairing is successful, the headphones beep, and the Bluetooth® and wireless headphones indicators will remain on.

The Status LED on the headphones will flash blue once every 3 seconds during use.

**To Factory Reset the ML 100 headphones,** press the Multi-Function button for more than 10 seconds. All previous pairings and settings will be deleted.

# Intelligent Automatic Operation

The procedure below is a fail-safe way to begin detecting in a high-sensitivity automatic mode. Once complete, the GPX 6000™ will automatically maximise sensitivity while minimising noise, so you can concentrate on finding gold.

## START ▶

1. Factory Reset the detector.



Long-press for at least 7 s

2. Hold the coil 100 mm (4 in) above the ground.



3. Raise and lower coil for 10 seconds.



### ▶ Begin detecting.

Every 5 to 10 minutes throughout your detecting session, it is recommended that the coil is raised and lowered above the ground a couple of times from 10 to 100 mm (½ to 4 in). This ensures that the detector is thoroughly ground balanced and operating at maximum sensitivity. In environments with more ground noise, repeat this process more frequently.

- ▶ If the conditions are very quiet, increase sensitivity from Auto to Auto+.

- ▶ If the detector becomes noisy, conduct a [\*\*Noise Cancel Procedure\*\*](#).

- ▶ If this doesn't resolve the noise, follow the [\*\*Double-D Coil Noise Cancel Procedure\*\*](#).



# Manual Sensitivity Adjustment Procedure

- ▶ Always try the **Noise Cancel Procedure** and the **Quick-Trak Ground Balance Procedure** to resolve noise before reducing the sensitivity level.
- ▶ Generally start with a Mono coil unless you are detecting in areas with known high levels of EMI or soil conductivity.

## START ▶

1. Set sensitivity to level 1.



2. Increase until false signals occur.



3. Reduce by one level.



4. Check over ground and reduce if needed.



# Noise Cancel Procedure

If audio responses become erratic due to EMI, initiate the Noise Cancel process to automatically select a quieter detecting channel.

## START ▶

1. Hold the coil 100 mm (4 in) above the ground.



2. Press the Noise Cancel button.



3. Wait for confirmation tone (approximately 5 seconds).



▶ **Begin detecting.**

- ▶ If the detector is still noisy when using a mono coil, follow the **Double-D Coil Noise Cancel Procedure.**

## Double-D Coil Noise Cancel Procedure

Generally, a Double-D coil should only be used if noise cannot be managed by using a Mono coil with the [Noise Cancel Procedure](#). This procedure can be used in areas that have known high levels of EMI or very conductive (salty) soils.

### START ▶

1. Connect the GPX 14™ Double-D coil.



2. Hold the coil 100 mm (4 in) above the ground.



3. Turn the detector on.



4. Set the Double-D mode to EMI Cancel.



5. Hold the coil still above the ground and assess noise levels.



- ▶ Begin detecting.

- ▶ If the detector is still noisy, continue to the next step.

6. Noise Cancel.



- ▶ Begin detecting.

- ▶ If the detector is still noisy, continue to the next step.

7. Reduce the sensitivity level.



- ▶ Begin detecting.

- ▶ If the detector is still noisy, change to an Auto sensitivity setting (Auto or Auto+).

# Quick-Trak Ground Balance Procedure

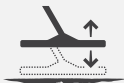
Follow the Quick-Trak Ground Balance procedure to quickly recalibrate the detector to the new ground.

## START ▶

1. Press and hold the Quick-Trak button.



2. Raise and lower the coil until noise reduces.



3. Swing coil the from side-to-side.



4. Release the Quick-Trak button.



- ▶ If there is still noise when the coil is passed over the ground, follow the **Ground Balance Procedure**.
- ▶ In some cases, try detecting on a nearby location in case the noise is being caused by a target / metal object. Try performing the **Quick-Trak Ground Balance Procedure** over a new patch of ground.

# Ground Balance Procedure

A complete Ground Balance procedure is recommended below. This guides you through the ideal steps to deal with a number of different ground conditions.

## START ▶

### Normal (Quiet) Ground

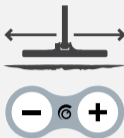
1. Set the Ground Type to Normal.



2. Quick-Trak.



3. Adjust the sensitivity.



- ▶ **Begin detecting.**

- ▶ If the detector is still noisy when the coil is raised and lowered just above the ground, then noise is the result of difficult or variable ground conditions. Continue the steps below for **Difficult/Variable Ground**.

### Difficult/Variable Ground

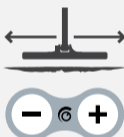
4. Set the Ground Type to Difficult.



5. Quick-Trak.



6. Adjust the sensitivity.



- ▶ **Begin detecting.**

- ▶ If the detector is still noisy when detecting, then noise is the result of conductive (salty) ground conditions. Continue the steps below for **Conductive (Salty) Ground**.

### Conductive (Salty) Ground

7. Change to a Double-D coil.



8. Turn the detector on.



9. Set the Double-D mode to Conductive Ground Cancel.

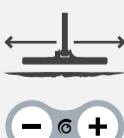


Long-press for at least 2.5 s

10. Quick-Trak.



11. Adjust the sensitivity.



- ▶ **Begin detecting.**



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