

POWER YOU CAN RELY ON

The new GPX Battery System delivers constant voltage, boosted audio control and improved stability in a single, lightweight unit.

The GPX Battery System combines the benefits of a constant voltage output with a boosted audio enhancer. Engineered specifically for the Minelab GPX series of detectors, it delivers a constant output of 8.2 volts even when the battery level is low. This means no fiddling with settings or audio levels to compensate for power fluctuations; just increased stability and the certainty that the detector is always working at peak performance.

Features include:

- Constant voltage output of 8.2V
- Inbuilt audio booster with volume control - works with external speaker too
- Hard wearing aluminium casing
- Sturdy push button On/Off switch
- LED battery level indicator
- 240V mains charger and 12V inverter included for car charger
- Separate charging input connection
- Lightweight at just 670 grams
- Small enough to fit most harnesses



COILTEK™
MANUFACTURING

OPTIMISING THE
OPPORTUNITY.™

**GPX BATTERY
SYSTEM**

COILTEK MANUFACTURING GPX BATTERY SYSTEM

Read these instructions fully before using the battery system.

GET THE BEST FROM YOUR NEW GPX BATTERY SYSTEM

Charge your unit before using for the first time. The battery has a low charge in it for transport only and is not at operational voltage.

When storing your GPX Battery System, make sure it is turned off and unplugged from all devices. If storing for a long time between uses, give the unit a top-up charge every 2 to 3 months to maintain optimum battery performance.

Only use the supplied charger connected to the correct charging input port.

Never charge your unit in the car in high temperatures (35°C +), unattended or in wet conditions.

Make sure that dirt and objects do not lodge in the charging port, as this can damage your unit or prevent charging.

CHARGING

- Make sure your GPX Battery System's On/Off switch is set at Off (the button is level with its housing) and that the green power LED is not lit. This is because the battery will not charge if the system is on.
- Connect the supplied mains power cord for your country into the charger pack socket.
- Plug the small output DC plug into the charging port.
- Plug in and turn on the mains voltage. The LED on the charger should be glowing red, indicating the battery is charging.
- The LED will automatically turn from red to green when the unit is fully charged.
- Remove the charging unit and switch off mains power to the charging pack.

The GPX Battery System takes 3 to 6 hours to fully charge. However this depends on how flat it is at initial charge. If it does not charge within 10 hours, check all leads and LED indicators to make sure that power is being supplied to the unit.

CONNECTING

Your GPX Battery System uses the GPX style 5-pin plug curly cables that are standard with GPX machines. It will work on the correct Minelab power leads or Coiltek power leads. Check they are in good working order before following the below steps.

- After charging your GPX Battery System, connect your power lead to the output plug socket.
- Connect headphones to the headphone & speaker output.
- Check that the volume control knob is all the way around to the left, i.e. low volume.
- Plug the other end of your power lead to your detector.

POWER UP AND USING

You are now ready to switch on and use your GPX Battery System.

- Press the power On/Off button so it holds in and sits below the button housing. A small click can be heard as it turns on.
- Check that the power LED is green and flashes 3 times before staying on. This indicates that the unit is supplying a constant 8.2V to your detector.
- Follow the Minelab detector start up procedure for your unit.
- Check the voltage display on your detector screen. It should be 8.0V or higher. If it displays less than 8V, your battery is not fully charged. Check that the green power LED on the GPX Battery System is not constantly flashing. If it is, disconnect and charge the battery.
- Use the volume control on the detector and on the GPX Battery System to get your required volume level. There are many combinations of detector and GPX Battery System volume settings – you should take care not to use them at excessive levels as hearing damage may occur.
- The GPX Battery System will run for around 6 to 8 hours depending on the signals experienced. Occasionally check the green power LED to make sure it is not flashing. Flashing indicates that the battery is getting low and needs recharging.
- Once you have finished detecting, turn off your detector and then turn off the GPX Battery System. Make sure all leads are disconnected before recharging and that the power button is Off on the unit (green LED will be off).

Headphone socket 6.5mm (1/4 inch) socket for mono or stereo headphones and Coiltek's small external speaker



Volume control knob to increase or decrease the audio level of the inbuilt boosters output

Power LED Shows status of unit. Solid GREEN = ON
Flashing GREEN = Low battery



Power lead output plug for GPX cables

Charging Port

TROUBLESHOOTING

Read this section before connection and operation. If a fault occurs, this may help you to troubleshoot or immediately know what to do to avoid any damage to your GPX Battery System. The GPX Battery System has an internal battery with its own circuit protection. Also installed is a resettable fuse in case of any fault or over current. The battery has a low voltage cut-out, so if it hasn't been used in a long time or is at end of its running cycle, the unit may not switch on and will need recharging.

If at any time the green power light does not come on or power does not supply out of your GPX Battery System, disconnect the unit from the detector.

- Let it sit for a short period of time (approximately 1 minute), then reconnect it to the detector and turn it on again.
- If the unit turns on and goes through detector start up, use the following checklist to identify the possible faults.
- If the unit does not turn on after you have tried the options in the checklist below, return it for inspection and service.

TROUBLESHOOTING CHECKLIST

- The LED is green and flashing continuously. This means the GPX Battery System has a low battery level and needs recharging.
- The LED is green and steady, but there is no power to the detector.
 - Without the load of the detector, this light may not flash as the battery is just over low voltage point. Connect the detector and turn it on. If it fails to start, or starts and the green LED flashes continuously, turn it off and charge the unit.
 - Check all leads for faults or obvious damage; Where possible check the lead end to end with a multimeter, not connected to the battery system. If a fault is found, replace the lead. Do not reconnect this lead to the GPX Battery System.
 - Inspect any other devices you may be using between the GPX Battery System and the detector. We suggest you do not connect any devices again until you have checked them thoroughly.
 - If all leads are okay, go through the start up procedure again. If the GPX Battery System starts, it may have been an intermittent fault or accidental trip. If it the unit still does not supply power, or you are unsure of its operation, return it for service and repair, or contact us for further help.
- There is no sound from the GPX Battery System. Make sure the volume knob is turned up. Check the headphone connections and lead for faults.

IMPORTANT SAFETY INFORMATION

The unit is not waterproof or water-resistant and should be kept dry at all times.

Never charge your unit in the car in high temperatures (30°C +), unattended or in wet conditions.

Excessive volume levels can cause hearing damage.

Use only approved or supplied accessories.

If your unit's case gets hot to touch during use, switch off and return it for service.

Do not try to power or operate other devices from this unit.

Do not drop, puncture or drill into unit – batteries can be hazardous if carelessly handled.

This GPX Battery System comes with a 6-month warranty from time of purchase that covers all manufactured and supplied parts. It does not cover units that have been misused, modified or tampered with in any way.