# Battery Safety Information

Podcatcher Pro and Basecamp

## 1. Product Identification and Manufacturer

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| **Products covered:** | Podcatcher Pro (PP)<br>Basecamp (BC) |
| **Manufacturer:** | Guide-ID B.V.<br>Leeuwenbrug 117<br>7411 TH Deventer<br>The Netherlands |
| **Document:** | rd-doc02, version 1.0, 2026-11-04 |

## 2. Purpose and Scope

This document describes the batteries in the Podcatcher Pro and the Basecamp, how charging is protected, and how to install and operate the Basecamp safely, including overnight.

It supplements the user manuals and does not replace them. The safety instructions and the permitted operating conditions are in **chapter 2 of the user manual** of each product:

- Podcatcher Pro: help.guide-id.com/hardware/podcatcher/podcatcher-pro-user-manual
- Basecamp: help.guide-id.com/hardware/basecamp/basecamp-user-manual

## 3. Product Safety Certification

Both products are certified for product safety under the IECEE CB Scheme and carry the CE marking. The EU Declaration of Conformity is available on request.

| Product | Standard | CB Test Certificate | Issued by |
|---|---|---|---|
| Podcatcher Pro | IEC 62368-1:2014 | DE 2-046196 | TÜV Rheinland, Germany |
| Basecamp | IEC 62368-1:2014 | DE 2-046187 | TÜV Rheinland, Germany |

## 4. Batteries

| Product | Battery | Rating | Energy | Cell tested to |
|---|---|---|---|---|
| Podcatcher Pro | Rechargeable lithium-polymer battery with protection circuit and temperature sensor; built in, not user-replaceable | 3.7 V<br>730 mAh | 2.7 Wh | IEC 62133-2<br>UN 38.3 |
| Basecamp (hardware version 1.4 and later) | Rechargeable lithium-polymer backup battery, used to shut the Basecamp down in a controlled way when power fails; built in, not user-replaceable | 3.7 V<br>650 mAh | 2.4 Wh | IEC 62133-2<br>UN 38.3 |

IEC 62133-2 is the safety standard for portable lithium batteries. It covers, among other tests, external short circuit, overcharging, thermal abuse, crushing, free fall and forced internal short circuit. UN 38.3 covers safe transport.

A Basecamp fully loaded with 25 Podcatcher Pro units holds about 70 Wh of battery energy in total.

## 5. Power Supply

The Basecamp is powered by the supplied 65 W USB-C power adapter (100–240 V AC, 50–60 Hz). The adapter is itself certified to IEC 62368-1 and must be connected to an earthed socket outlet. The Basecamp cannot draw more power than the adapter supplies.

## 6. Charging Protection

Charging is protected at three levels: in the battery itself, in the charging circuit of the device, and by the Basecamp.

### 6.1 Podcatcher Pro

- The battery is charged to 4.10 V, below the 4.20 V specified by the cell manufacturer.
- The charging current is set by the Basecamp: 200 mA as standard and never more than 360 mA, within the 365 mA maximum of the cell.
- Charging only takes place at a battery temperature between 10 and 45 °C, the range specified by the cell manufacturer. Outside that range, charging pauses until the temperature is back within range.

- When the battery is full, charging stops. It only resumes after the battery voltage has dropped noticeably.
- A deeply discharged battery is first pre-charged at a very low current until its voltage is safe again.
- If the battery voltage is too high, the Podcatcher Pro stops charging and the Basecamp temporarily switches off power to that slot.
- If the charging chip becomes too warm, charging pauses.
- If the battery becomes too warm during use (above 45 °C), the Podcatcher Pro enters a protective state.
- If the battery voltage becomes too low, the Podcatcher Pro stops operating to protect the battery.

### 6.2 Basecamp

- The Basecamp monitors each of its 25 charging slots. If a slot draws too much current, only that slot is switched off.
- A temperature-controlled fan cools the Basecamp. If the fan fails, the Basecamp gives an audible signal.
- The backup battery is charged to 4.20 V at 200 mA, within the cell manufacturer's limits (4.20 V, 1300 mA, 10–45 °C).
- Basecamps with a backup battery (hardware version 1.4 and later) also monitor its temperature: above 50 °C, the Basecamp shuts itself down and gives a warning signal.
- If mains power is interrupted, the Basecamp switches off and starts up again automatically when power returns. Basecamps with a backup battery give an audible warning first and then shut down in a controlled way.

### 6.3 Monitoring

The Podcatcher Pro records its battery voltage and temperature at regular intervals in its device log. The Basecamp reports its internal temperatures and fan status to the Guide-ID platform. Guide-ID uses this data for fault investigation.

## 7. Installation and Use

Follow chapter 2 of the user manuals. The points that matter most for fire safety:

- Use the Basecamp at an ambient temperature between 0 and 45 °C and at an altitude of no more than 2000 m.
- Place it on a stable, dry surface, out of direct sunlight and away from heat sources.

- Keep the ventilation openings free: the inlet on the bottom and the narrow outlet slot on the top. Do not cover the Basecamp.
- Use only the supplied power adapter, connected to an earthed socket outlet.
- Stop using a product that is damaged, swollen, leaking, smells unusual or becomes unusually hot, and contact Guide-ID. Do not open the product; the batteries are not user-replaceable.

## 8. Operating the Basecamp Overnight

Guide-ID recommends leaving the Basecamp switched on.

- Charging stops when a battery is full. Podcatchers returned to the Basecamp at the end of the day are typically fully charged within a few hours; after that, there is hardly any charging.
- Every evening, at a time set per institution, the Basecamp downloads new content and software updates and transfers them to the Podcatchers. If it is switched off, this does not happen and changes to the tour do not reach the devices.
- If power to the Basecamp is interrupted, the Podcatchers in it switch off immediately and are not charged until power returns.

If the Basecamps must be switched off for policy reasons, please contact Guide-ID to agree on a time at which charging and the daily synchronisation have finished.

A Basecamp with a backup battery can be fully de-energised: switch it off, then keep the power button pressed until the LED stops lighting up periodically. The backup battery is then disconnected.

## 9. Transport and Disposal

- The battery cells in both products are tested to UN 38.3 for transport.
- Do not dispose of the products with household waste. Return them to Guide-ID for proper disposal and recycling of the batteries.

## 10. Contact

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| **Email:** | helpdesk@guide-id.com |
| **Phone:** | +31 (0) 570 572 202 |
| **Website:** | www.guide-id.com |