



iCheck B36

LiHV / LiPo / LiFe / Li-Ion battery checker and balancer
(1-8S)
User Guide



This is the simplified version of the user manual. For the full manufacturer's manual with detailed features and instructions, please scan the QR code in Chapter 1.

Importer: Rotorama, s.r.o. • www.rotorama.cz

Contents

1. Introduction

2. Safety Tips

3. Parameters

4. Structure Introduction

5. Feature Overview

6. Firmware Upgrade

7. Maintenance and Troubleshooting

8. Information for the EU and Czech Market

8.1 Importer and responsible person in the EU

8.2 Product conformity

8.3 Disposal of electrical equipment

9. Warranty and rights arising from defective performance

9.1 Rights of the buyer under Czech law

9.2 Manufacturer's warranty terms

1. Introduction

The iCheck B36 is a compact battery checker and balancer by Gens Ace. It supports LiHV, LiPo, LiFe and Li-Ion batteries with 1-8 cells (1-8S). Its colour TFT display shows the voltage of each individual cell, and the device can balance the cells (equalise their voltages). With G-Tech smart batteries it can view and modify the parameters stored in the battery.

The device also offers USB-A and USB-C outputs for charging mobile devices from the connected battery, servo tools (PWM measurement, manual and automatic servo test, PPM output) and a receiver signal detection port. It is powered directly from the tested battery via the XT60 connector — it has no built-in battery of its own.

This guide is based on the simplified version of the manufacturer's manual. For the full manufacturer's manual (in English) with detailed features and instructions, please scan the following QR code:



*Manufacturer's QR
code — full version
of the manual*

2. Safety Tips

To ensure your safety and optimal user experience, please carefully read the following instructions before using this product:

- Keep all device connectors clean and avoid contact with metal objects.
- If liquid or foreign objects enter the port of the unit, wipe it clean promptly and keep it dry. Failure to do so may cause poor contact, leading to battery short circuits or charging failure.
- Regularly inspect the ports, plugs, and other components before daily use. Never clean the product with alcohol or other flammable agents.
- Do not expose the device to direct sunlight or rain outdoors.
- When not in use for extended periods, disconnect the checker from the battery to prevent the checker from draining the battery.
- Never use damaged equipment. In the event of damage, promptly contact the retailer from whom you purchased the device to arrange repairs or replacement.

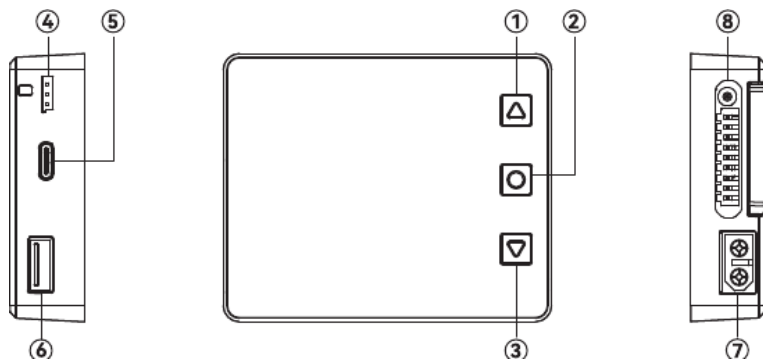
► Handling the tested batteries

- Do not leave a battery connected to the device unattended.
- Do not connect damaged, puffed or otherwise deformed batteries.
- Store LiPo and LiHV batteries at a storage voltage of approximately **3.8 V per cell**. A fully charged LiPo cell is 4.20 V, a LiHV cell 4.35 V.
- Make sure the correct battery type is set in the device (see Chapter 5) — an incorrect setting may damage the battery.

3. Parameters

Display	2.4" TFT
Supported batteries	LiHV / LiPo / LiFe / Li-Ion, 1–8 cells (1–8S)
Maximum charging power	USB-C: PD 30 W / USB charging: 22.5 W
Maximum balancing power	2 W
Balancing current	100 mA/cell
Balancing accuracy	<0.005 V
Charge current	max. 3 A
Input interface	XT60 connector + G-Tech balancing connector
Output ports	USB-A port + USB-C port
Supported fast charging protocols	PPS / PD 3.0 / PD 2.0; PD 2.0 / PD 3.0 output supports 5/9/12/15/20 V, up to 30 W; QC 2.0 / QC 3.0 output supports 5/9/12 V, up to 22.5 W
Dimensions	81.89 ± 1 × 66.89 ± 1 × 18.5 ± 0.5 mm
Weight	approx. 74 g ± 5 g

4. Structure Introduction



Location of controls and ports

No.	Function Description
①	Up button
②	Enter/Back button (long press to return to the main screen)
③	Down button
④	USB-A port (maximum 22.5 W output)
⑤	USB-C port (PD max. 30 W output, firmware upgrade port)
⑥	Receiver signal detection port
⑦	XT60 main input port
⑧	G-Tech balanced port (supports charging parameter adjustment, retrieves G-Tech battery information and status)

5. Feature Overview

Press and release the **Enter/Back** button on the main interface to enter the System/Function Settings menu. The individual items (names correspond to the device's English menu):

Item	Description
<i>Smart Battery</i>	View/Modify G-Tech battery parameters
<i>Language</i>	Switch the menu language between English, Chinese, German, French, Japanese, and Korean
<i>Backlight</i>	Display backlight: Low/Medium/High
<i>Power Saving Mode</i>	Power saving — can be switched to automatically enter sleep mode
<i>Volume</i>	Adjust device volume
<i>System Information</i>	Check device information
<i>Alarm Sound</i>	Audible alarm when voltage exceeds the set value
<i>Battery Type</i>	Select battery type (LiHV, LiPo, Li-Ion, LiFe)
<i>Low Voltage Alarm</i>	An alarm is triggered when the battery voltage is below the set point
<i>USB Charging</i>	Enable charging for mobile devices via USB
<i>Cell Balancing</i>	Balancing — equalise the voltages of the individual cells
<i>Tools</i>	PWM measurement, manual servo test, automatic servo test, PPM output
<i>System Self-Test</i>	Initiate device self-test. Note: Do not connect the battery balancing cable with the unit while testing. Do not perform system self-tests repeatedly in quick succession.

Warning: To prevent battery depletion due to prolonged non-use, it is recommended to disconnect the checker from the battery.

6. Firmware Upgrade

- ① To upgrade the product's firmware, connect the checker to your computer using the USB cable provided in the packaging. You may need to connect to the internet during the process to automatically install the USB driver software.
- ② After powering on the device, press and hold the **Enter/Back** button while connecting the device's USB to the computer. Release the button only after the checker emits a "beep-beep" prompt. Double-click to open the upgrade software and click *Upgrade*. The checker screen will go black and light up again only when the upgrade completes.

✳ **Disconnecting the USB or powering off during the upgrade will cause failure (the original software version may be erased at this point). In that case, repeat steps ① and ② to restart the upgrade.**

Only the **USB-C** port supports firmware upgrades.

7. Maintenance and Troubleshooting

- Clean the device with a soft dry cloth. Never use alcohol or other flammable agents.
- Store in a dry place away from direct sunlight.
- Always disconnect the checker from the battery when you have finished working.

► Troubleshooting

- **The device does not turn on** — check that the XT60 connector is fully inserted and that the connected battery is not depleted.
- **Firmware upgrade failed** — repeat the procedure described in Chapter 6; use the USB-C port.
- **The device behaves unexpectedly** — disconnect it from the battery, wait a moment and reconnect it. If the problem persists, contact your retailer.

8. Information for the EU and Czech Market

8.1 Importer and responsible person in the EU

The product is placed on the European Union market by the importer stated below, who is at the same time the responsible person within the meaning of Article 16 of Regulation (EU) 2023/988 of the European Parliament and of the Council on general product safety (GPSR).

Importer / responsible person in the EU	Rotorama, s.r.o.
Company ID (IČO)	051 57 692
VAT ID (DIČ)	CZ05157692
Registered office	Okrajová 1351, 674 01 Třebíč, Czech Republic
E-mail	info@rotorاما.cz
Phone	+420 252 252 098
Website	www.rotorاما.cz

8.2 Product conformity



- The product bears the **CE** marking and complies with the requirements of the applicable European Union harmonisation legislation.
- A copy of the **EU Declaration of Conformity** is available from the importer at the address stated above or at the e-mail address info@rotorاما.cz.
- **Product identification:** the type designation (iCheck B36) and the serial number are given on the rating label on the back of the device; the firmware version number can be found in *System Information*.

8.3 Disposal of electrical equipment



- The crossed-out wheeled bin symbol on the product, its packaging or in the documentation means that at the end of its service life the product **must not be disposed of together with mixed municipal waste.**
- Hand it over at a take-back point for electrical equipment – at a collection yard, at a take-back point of a collective system, or at the retailer when purchasing a new equivalent product. Take-back is free of charge for the end user.
- The obligations under Act No. 542/2020 Coll., on end-of-life products, are fulfilled by the importer through a collective take-back system.
- Proper disposal helps prevent negative impacts on the environment and human health and contributes to the reuse of secondary raw materials.

Through its contractual partner **ASEKOL a.s.**, the company ensures the take-back of waste electrical equipment from households and the separate collection of waste electrical equipment, batteries and accumulators in accordance with the applicable legislation. The customer is entitled to hand over old electrical equipment or a battery or accumulator at any collection point of the above contractual partner. The addresses of these take-back points are listed at www.asekol.cz, www.ecobat.cz and also <https://visoh2.mzp.cz/RegistrMistZO/RegistrMistZOPublic/MapaMistZpetOdberu>.

9. Warranty and rights arising from defective performance

9.1 Rights of the buyer under Czech law

The rights and obligations of the contracting parties are governed by Czech law, in particular by Act No. 89/2012 Coll., the Civil Code, and Act No. 634/1992 Coll., on consumer protection. The manufacturer's warranty terms set out below (Chapter 9.2) **do not in any way limit** the buyer's rights arising from these regulations.

- The seller is liable to the buyer for the product being free of defects on receipt. If the buyer is a consumer, a defect may be notified **within two years of receipt** of the product (Section 2165 of the Civil Code).
- If a defect appears within **one year** of receipt, the product is deemed to have been defective already at the time of receipt (Section 2161(5) of the Civil Code).
- When purchasing online, a consumer has the right to **withdraw from the contract within 14 days** of receiving the goods without giving a reason (Section 1829 of the Civil Code).
- Claims should be made with the retailer from whom you purchased the product. The importer's contact details are given in Chapter 8.1.
- The competent body for out-of-court settlement of consumer disputes is the **Czech Trade Inspection Authority**, Štěpánská 796/44, 110 00 Prague 1, www.coi.cz.

9.2 Manufacturer's warranty terms

✱ **The following text is the manufacturer's original warranty statement.**

Thank you for purchasing our device. Gens Ace is committed to providing comprehensive after-sales service to fully protect your rights. If your product malfunctions, please contact Gens Ace's after-sales service team. The warranty expiration date for faulty products is determined by the date of delivery to the Gens Ace After-Sales Service Center. All warranties are free of charge for product quality issues within one year from the date of purchase. If the customer cannot provide valid proof of purchase, the internal date code will be used as the basis.

The following causes of product damage rendering the product inoperable are not covered under warranty:

- damage caused by failure to set the correct battery voltage as specified,
- damage resulting from improper use contrary to the instruction manual,
- damage resulting from human error, accidental impact, or other force majeure events,
- unauthorized modification, disassembly, or alteration of the product's internal circuitry without the manufacturer's approval,
- damage caused by water immersion, moisture ingress, or foreign objects entering the product,
- surface aging, impact damage, or scratches on the product casing.

Please note proper usage: users shall bear all consequences resulting from incorrect operation. The manufacturer shall not be liable for any costs exceeding the product's cost and reserves the right to modify this clause without prior notice.

Manufacturer contact

Gens Ace / Grepow — website: www.genstattu.com, e-mail: info@genstattu.com.
Manufacturer's representative in the EU: Genspow GmbH, Ottostr. 11, 41352 Korschenbroich, Germany, e-mail: info@genspow.de, website: gensace.de.