



GEPRC Super Buzzer

User Manual

Buzzer with built-in battery and LED for FPV drones



Read the entire manual before installation and first use, and keep it for future reference.

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1. Product description

1.1 What it is for

The **GEPRC Super Buzzer** is a loud buzzer (beeper) for FPV drones with its own built-in battery and LED. In normal operation it works like a standard buzzer connected to the flight controller (FC) – it beeps according to the Betaflight firmware settings and can be switched on with a switch on the radio transmitter. According to the manufacturer, it does not affect Betaflight in any way and the two devices do not interfere with each other.

Its main advantage shows after a crash: when the drone loses power (for example, the flight battery disconnects or is ejected), the buzzer **automatically sounds a loud alarm** thanks to its own battery, and the LED flashes at the same time. The sound helps you find the drone even in tall grass, in bushes or at dusk. A single press of the button silences the beeping.



GEPRC Super Buzzer

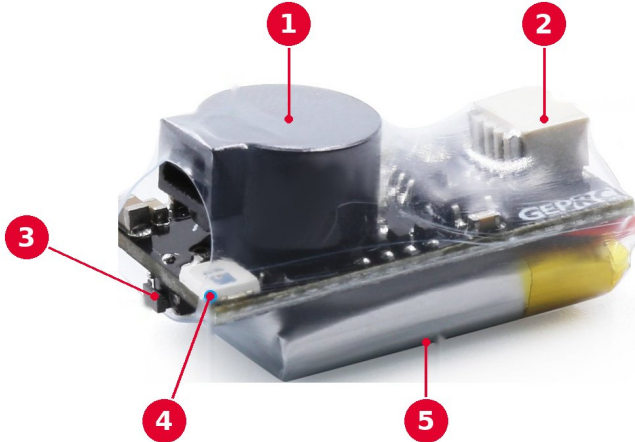
1.2 Specifications and package contents

Parameter	Value
Product designation	GEPRC Super Buzzer (manufacturer code GP107135)
Manufacturer	GEPRC
Sound level	100 dB
Input voltage	4.5–5.5 V
Dimensions	25 × 13 × 12 mm
Weight	3.5 g
Alarm power supply	built-in battery, charged from the FC's 5 V output
Signalling	sound + flashing LED
Compatibility	flight controllers running Betaflight (according to the manufacturer)
Package contents	1× GEPRC Super Buzzer
Not included	drone, flight controller (FC), flight battery, tools and mounting material

※ The manufacturer's photos also show a three-wire connection cable with a connector. Neither the manufacturer nor the retailer explicitly states that it is included – if no cable is included, use a cable that matches the buzzer's connector.

2. Use

2.1 Parts overview

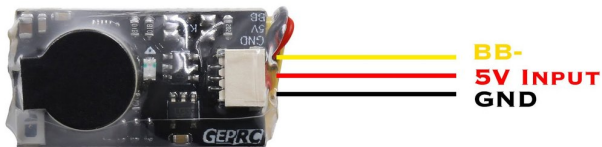


Parts of the GEPRC Super Buzzer

- ① Buzzer – the sound source.
- ② Connector for the signal and power cable (BB–, 5V, GND).
- ③ Button – a single press silences the alarm. It is located at the opposite end of the board from the connector.
- ④ LED – flashes during the alarm.
- ⑤ Built-in battery.

2.2 Installation and wiring

The buzzer is connected to the flight controller (FC) with three wires. Disconnect the drone's flight battery and the USB cable before wiring.



Wiring (manufacturer's labels: BB–, 5V Input, GND)

Wire	Signal	Connection on the FC
yellow	BB–	buzzer pad on the FC (usually labelled BZ– or BUZ–)
red	5V Input	5 V output on the FC
black	GND	ground (GND) on the FC

- The wire colours correspond to the manufacturer's photo. Before soldering, always check the pad labels on the buzzer board and on the FC against the documentation of your flight controller.
- Never connect the red wire (5V Input) to the flight battery voltage (VBAT) – the buzzer's input voltage is 4.5–5.5 V.
- Mount the buzzer where it cannot touch the propellers or take direct impacts, and keep button ③ accessible. Use double-sided tape or a cable tie; do not squeeze or puncture the built-in battery.

2.3 Betaflight settings

The buzzer is driven by the buzzer signal from the flight controller, so it behaves like an ordinary buzzer. In Betaflight Configurator you can set:

- in the beeper settings (*Beeper Configuration*), on which events the buzzer should beep (e.g. loss of radio signal, low battery voltage, Arm and Disarm),
- on the *Modes* tab, the **BEEPER** mode assigned to a switch on the transmitter – you can then switch the buzzer on manually, for example when searching for a drone that still has power.

After setup, test it: connect the flight battery (no propellers) and toggle the buzzer with the BEEPER switch.

2.4 Activating and silencing the alarm

The power-loss alarm is activated in one of two ways:

- ① automatically when the drone is powered up (flight battery connected),
- ② with a single press of button ③.

If the drone loses power from the FC, the buzzer automatically starts beeping loudly and LED ④ flashes. **A single press of button ③ silences the beeping.**

✱ The alarm also sounds when you unplug the battery after a normal flight. This is correct – press the button to stop it.

2.5 Charging the built-in battery

The built-in battery charges automatically from the FC's 5 V output whenever the FC is powered. No separate charger is needed.

- If the drone is not used for a long time, the buzzer's battery may discharge and the alarm will not sound. Before flying, power the drone up for a while and check the alarm.

3. Safety, maintenance and troubleshooting

3.1 Safety instructions

- The product contains a **built-in battery**. Do not puncture, crush or short-circuit it, do not expose it to high temperatures or fire and do not immerse it in water. If the battery is swollen, damaged or heating up, the buzzer must no longer be used.
- The buzzer is very loud (100 dB). When testing, do not hold it near your ear or point it at the ears of other people or animals.
- Always install and solder with the flight battery disconnected and the propellers removed. Test the function without propellers fitted.
- The buzzer increases the chance of finding the drone but does not guarantee it. It does not replace compliance with operating rules and supervision of the drone.
- The product is not a toy. Keep it out of the reach of children – it contains small parts and a battery.
- When operating a drone, follow the regulations of the country in which you fly. The law of the country in which the product is operated always prevails.

3.2 Maintenance and storage

- After a crash, check the battery, connector and wires for damage and make sure the buzzer is still firmly attached in the frame.
- Keep the buzzer dry and clean. If dirty, wipe it with a dry cloth; do not use solvents.
- Store in a dry place at room temperature, away from direct sunlight and heat sources.

3.3 Troubleshooting

Problem	Possible cause and solution
No alarm after power loss	The built-in battery is discharged – power the drone up for a longer time. The alarm may have been switched off with the button – power the drone up again.
Buzzer does not beep on Betaflight events	Check the connection of the BB– wire to the FC buzzer pad, the 5V and GND wires, and the beeper and BEEPER mode settings.
Buzzer beeps after battery disconnection	This is correct alarm behaviour. Silence it with a single press of the button.
Low volume	The buzzer opening is covered (by tape, the frame or dirt) – uncover it.

4. Information for the EU and Czech Market

4.1 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.com

4.2 Disposal of electrical equipment and batteries



- 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 product contains a built-in rechargeable battery. Where possible, hand it over together with the device – do not dispose of the battery in mixed waste or in fire.
- 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>.

5. Warranty and rights arising from defective performance

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 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 4.1.
- 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.