



FROQ

# USER MANUAL

CARPETLIGHT GmbH  
Friesenweg 5f  
22763 Hamburg  
Germany  
[www.xplight.com](http://www.xplight.com)



July 2026

## CONTENTS

| Chapter                             | Page |
|-------------------------------------|------|
| <b>GENERAL NOTES</b>                | 3    |
| <b>PRODUCT DESCRIPTION</b>          | 3    |
| PRODUCT OVERVIEW                    | 4    |
| FEATURES                            | 5    |
| <b>SAFETY INSTRUCTIONS</b>          | 6    |
| <b>BATTERY AND CHARGING</b>         | 7    |
| <b>INFLATING AND DEFLATING</b>      | 8    |
| <b>CONTROLS</b>                     | 9    |
| SWITCHING THE DEVICE ON AND OFF     | 10   |
| ADJUSTING THE LIGHTING              | 10   |
| BATTERY LEVEL DISPLAY               | 11   |
| WARNING SIGNALS AND TROUBLESHOOTING | 12   |
| <b>TECHNICAL SPECIFICATIONS</b>     | 13   |
| <b>CLEANING</b>                     | 14   |
| <b>DISPOSAL AND WARRANTY</b>        | 14   |

## GENERAL NOTES

In your own interest, please observe the safety instructions and warnings. Keep this user manual in a safe place.

For the sake of our environment, please dispose of the packaging material at an appropriate collection point.

Only use original spare parts and approved original accessories from **XPLight/CARPETLIGHT**.

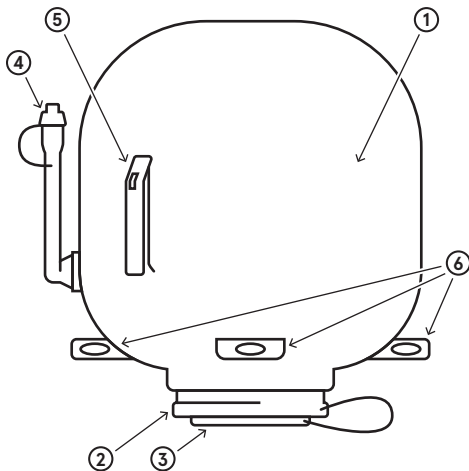
Defective devices and electronic accessories must be disposed of properly and must not be disposed of with household waste.

## PRODUCT DESCRIPTION

The XP-FROQ is an inflatable, rechargeable marking buoy with powerful RGB lighting for marking swimmers, divers and objects in or under water.

The device is equipped with a 15,000 mAh battery pack (3 × 5,000 mAh) and can be charged via USB-C. Brightness, colour and blink frequency can be adjusted individually.

## PRODUCT OVERVIEW



① Illuminated buoy body

④ Valve

② Control unit

⑤ Signal whistle

③ Protective cover

⑥ Attachment loops

## FEATURES

- RGB LED lighting with 10 colours and 10 brightness levels
- Light colours: red, green, yellow, blue, Arctic White, cyan, orange, lime, magenta and violet
- 5 blink settings: continuous light, 0.5 Hz, 1 Hz, 2 Hz and 5 Hz
- 15,000 mAh lithium-ion battery (3 × 5,000 mAh)
- USB-C charging port with up to 2 A charging current
- 4 status LEDs for battery level display
- Automatic switch-off after 60 seconds of inactivity
- Undervoltage protection with warning signal
- Signal whistle

## SAFETY INSTRUCTIONS

**WARNING:** Use the device only for its intended purpose as a marking aid. It is not a substitute for an approved life jacket, personal protective equipment or supervised safety measures.

Inspect the device for visible damage before each use. The device must not be operated if it is visibly damaged.

Observe the protection rating of the product in relation to environmental influences such as dust, moisture, rain, salt and mechanical stress.

Do not look directly into the light source, especially at maximum brightness or in flashing mode.

If the device is equipped with an infrared function, please note: infrared light may be invisible to the human eye and can still cause eye damage. Never look directly into the light in IR mode.

Children may use the device only under adult supervision. Keep batteries and small parts away from small children.

## BATTERY AND CHARGING

The product is powered by an integrated lithium-ion battery. Use a suitable USB-C charger for charging.

Connect the device to a suitable charger using a USB-C cable. The device automatically detects the available charging current and starts the charging process.

| USB power source                | Charging current |
|---------------------------------|------------------|
| 3.0 A source, e.g. fast charger | 2.0 A            |
| 1.5 A source                    | 1.4 A            |
| Standard USB, 0.5 A             | 0.5 A            |

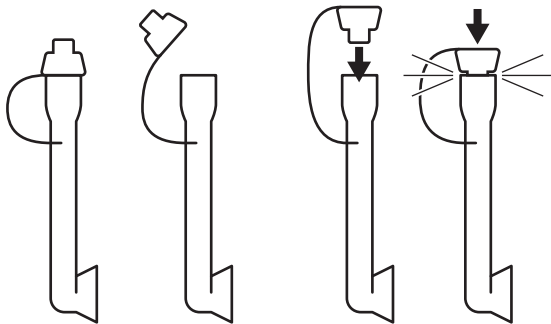
Charging stops automatically once the battery is fully charged.

**WARNING:** Risk of explosion, fire and chemical burns. Do not short-circuit, open, mechanically damage, heat or burn the battery. Avoid contact with leaking battery fluid. In the event of contact, rinse the affected area with clean fresh water and seek medical attention.

## INFLATING AND DEFLATING

**Position 1:** The valve is closed and no air can escape.

**Position 2:** To inflate the buoy, remove the cap from the valve and inflate it by mouth or by using a suitable air pump. No air can escape even when the cap has been removed.



Position 1

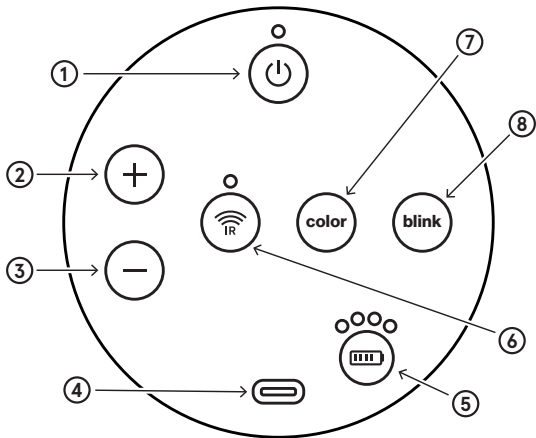
Position 2

Position 3

**Position 3:** To deflate the buoy, turn the cap upside down and press it into the valve until all air has escaped.



## CONTROLS



① POWER ON/OFF

⑤ STATUS: Display battery level

② PLUS: Increase brightness

⑥ IR: Switch infrared mode on/off

③ MINUS: Decrease brightness

⑦ COLOR: Change colour (10 colours)

④ USB-C port

⑧ BLINK: Change blink frequency

## SWITCHING THE DEVICE ON AND OFF

**Switching on:** Briefly press the ON/OFF button ① briefly. The power LED lights up and the device starts.

**Switching off:** Briefly press the ON/OFF button ① during operation. The device switches off immediately.

**Checking the battery level:** Press the STATUS button ⑤ without pressing ON/OFF. The four status LEDs display the battery level for 3 seconds.

The device switches off automatically after 60 seconds if the lighting is off and no button is pressed.

## ADJUSTING THE LIGHTING

**Brightness:** Press PLUS (+) ② to increase the brightness through 10 levels. Press MINUS (-) ③ to decrease the brightness. At level 0, the lighting switches off.

**Colour:** Press COLOR ⑦ to cycle through 10 preset colours: red, green, yellow, blue, Arctic White, cyan, orange, lime, magenta and violet.

**Blink frequency:** Press BLINK ⑧ to switch between continuous light, 0.5 Hz, 1 Hz, 2 Hz and 5 Hz.

**Infrared mode:** Press IR ⑥ to switch infrared mode on or off.

## BATTERY LEVEL DISPLAY (GAUGE LEDs)

Four LEDs above the STATUS button ⑤ indicate the battery level. During battery operation, the LEDs remain continuously lit. During charging, the highest active LED flashes.

| Display        | Meaning                  |
|----------------|--------------------------|
| LED 1 on       | Battery level 0–25%      |
| LEDs 1–2 on    | Battery level 26–50%     |
| LEDs 1–3 on    | Battery level 51–75%     |
| LEDs 1–4 on    | Battery level 76–100%    |
| LED 1 flashing | Charging, 0–25% charged  |
| LED 2 flashing | Charging, 26–50% charged |
| LED 3 flashing | Charging, 51–75% charged |
| LED 4 flashing | Charging, 76–99% charged |

## WARNING SIGNALS AND TROUBLESHOOTING

**Low battery voltage:** If the battery voltage drops below 3,400 mV, the RGB lighting flashes three times, followed by a 5-second pause. This cycle repeats.

When this warning first appears, approximately one hour of operating time remains. Charge the device immediately.

**Device does not start:** Charge the battery and check the USB-C cable and charger.

**No lighting:** Check the brightness level and press PLUS (+); check the colour mode.

**Charging does not start:** Check the USB-C connector, charger and power source. Use a suitable charging source.

**Multicolour warning signal (red/green/blue):** The battery voltage is low. Charge the device immediately.

## TECHNICAL SPECIFICATIONS

|                            |                                                                                  |
|----------------------------|----------------------------------------------------------------------------------|
| Dimensions:                | 38 cm                                                                            |
| Diameter:                  | 35 cm                                                                            |
| Weight:                    | 1.7 kg                                                                           |
| Battery:                   | 15,000 mAh (3 × 5,000 mAh);<br>3 × Samsung INR21700-50S connected<br>in parallel |
| Battery chemistry:         | NMC (nickel-manganese-cobalt)                                                    |
| Charge cut-off voltage:    | 4.05 V                                                                           |
| Deep-discharge protection: | 3,200 mV                                                                         |
| Maximum charging current:  | 2.0 A with a 3 A source                                                          |
| Charging port:             | USB-C                                                                            |
| Lighting:                  | RGB LED, 10 colours, 10 brightness<br>levels,<br>5 blink settings                |
| Automatic switch-off:      | After 60 seconds of inactivity                                                   |
| Protection rating:         | IP67                                                                             |



Patent pending: 10 2026 123 817.3

WEEE registration number DE 59055631

Made in Germany by CARPETLIGHT GmbH

## **CLEANING**

After each use, rinse the product with fresh water and place it back in the storage bag only when it is completely dry. Light soiling on the white textile cover can be removed with a damp microfibre cloth and mild detergent.

## **DISPOSAL AND WARRANTY**

This device contains lithium batteries and must not be disposed of with household waste. Take the device to a municipal collection point or an electrical retailer.

The crossed-out wheeled bin symbol on the device indicates that it must be collected and disposed of separately.

CARPETLIGHT GmbH is not liable for damage caused by improper use. The General Terms and Conditions of CARPETLIGHT GmbH apply.

The warranty may become void if the housing is opened improperly or if moisture enters electronic components.