**The BlueLocar Marlin** is a small hand-held locating device with additional optical signalin features.

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## BlueLocar Marlin

# Quick Start Guide

www.bluelocar.com

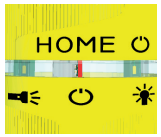
## General

The **Marlin** is a small hand-held locating device with additional optical signaling features. When activated, it transmits its GPS position with either a **HOME** or **SOS** signal. A BlueLocar Ray or Basestation can receive this signal, and locate and track the transmitter. This allows the support crew to provide a quick response time and optimized support for people participating in all kinds of water sports.

## Battery

The **Marlin** is powered by **4 x AA batteries**. It is possible to use either one-way or recharchable batteries. Immediately after the device is turned on, the remaining battery capacity is indicated by either a green (battery OK) or a red (battery low) light for one second. To replace the battery, first remove the black bottom cap by unscrewing it. Then gently pull out the battery holder and replace the batteries.

## Home

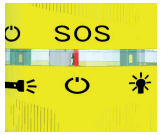



By bringing the upper ring in **„HOME“** position, the Marlin starts transmitting its position and a **HOME** signal. The **HOME** signal is intended to be a pickup call. It is received by every locating device (Ray and Basestation) that is within the same group as the Marlin that is transmiting. Devices of other groups wont't show this signal.

The **colored LED's** inform the user about the signal state. Slowly blinking red light stands for **„signal is being transmitted“**. Slowly blinking green light indicates that the signal has been received by another device (Ray or Basestation). **Permanent green light** means that a person has **manually confirmed the signal on another device.**

> **Warning:** It is important to not turn off the Marlin until you have been picked up, even if the signal has already been confirmed.

## SOS

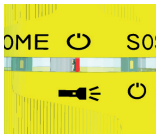



By bringing the upper ring in **„SOS“** position, the **Marlin** starts transmitting its position and a **SOS** signal. The **SOS** signal is intended to be a high priority distress signal. It is received and displayed by every other device (Ray and Basestation) regardless of the devices group, and **indicates that instant assistance is needed**.

The colored LED's inform the user about the signal state. **Slowly blinking red light** stands for „**signal is being transmitted“. Slowly blinking green light** indicates that the signal has been **received by another device** (Ray or Basestation). **Permanent green light** means that **a person has manually confirmed the signal on another device**.

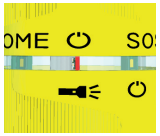
> **Warning:** It is important to not turn off the Marlin until you have been picked up, even if the signal has already been confirmed.

## Torch



Turn the lower ring into **Torch position** to permanently activate the white high brightness LED's. The torch functionality **does not affect** the **radio transmission** of a **HOME** or **SOS** signal, and can therefore be used concurrently to any signal transmission. However, it is recommended to use the Blink light as an optical aid instead when sending a distress or pickup signal, because it is easier to spot from a long distance as well as it saves more battery power.

## Blink Light



Turn the lower ring into **Torch position** to activate the **Blink light**. The blink light can be used concurrently to any **HOME** or **SOS** signal transmission, which makes it ideal to provide an additional optical signal that can be spotted from a long distance.

## Warnings

⚠ The device is controlled through magnets that are located within the two control rings. In order to avoid false activation and unintended behavior, **it is important to keep magnets and other magnetic controlled devices (such as water resistant torches) away from the Marlin**.

⚠ The **BlueLocar Marlin** is an aid for locating and navigation. **It is not a life-saving equipment**. Carrying the device cannot replace other lifesaving appliances or signaling equipment.

⚠ The range of the radio communication connection between BlueLocar devices can be decreased severely by obstacles between the devices. **Ships, rocks, islands and other large barriers inhibit proper radio transmission!**

⚠ A radio link between transmitter and receiver can only be established, if the antennas of both devices are **above the water surface**. In case of emergency, hold your device as high as possible, until the reception of your signal has been confirmed. Also **GPS signals** can only be **received** on the **water surface**!

⚠ Make sure that all users of a **BlueLocar** devices are familiar with the **basic functions**. Agree in advance, which procedures are required in case of an emergency situation!

⚠ Make sure that the **batteries** of the device are **fully charged** before use. This ensures the maximum transmission time in case of an emergency!

We, **BlueLocar GmbH**, Autokaderstraße 29/Bt2, A-1210 Vienna, Austria, declare under our sole responsibility that the product to which this declaration relates is in conformity with the requirements of the following specifications:
**FCC Statement for USA**
The above product complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Changes or modifications made to this equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
**IC Canada Statement for Canada**
This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:
(1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## Technical Data

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|---|---|
| **General** | |
| Case: | synthetic, water resistant to 100m depth |
| Dimensions (WxLxH) : | 5,3 x 5,3 x 18,5cm |
| Weight: | 245g |
| **Temperature** | |
| Storage: | -20°C to 70°C |
| Operation: | -5°C to 65°C |
| **GPS** | Integrated |
| **Radio** | |
| Frequency: | 915 to 917MHz |
| Transmitting power: | 500mW |