

## **Light Probe – User Manual**

The probe has a round body shaped like a rocket. At its tip, the probe has a small hole. This is where the light is measured.

Just below the rocket nose, there is a button. You can comfortably hold the probe in your hand and press the button with your thumb.

The button must be held down during use.

When the button is pressed and held, a short vibration pulse occurs. This indicates that the probe is ready for operation and that light sensing has begun.

If no vibration pulse occurs after pressing the button, the battery must be replaced.

If you do not feel a vibration after the first pulse, the probe does not register any light.

This does not necessarily mean that it is completely dark. The probe can only measure light it encounters directly. For example, if your body is between the probe and a light source, the probe will not vibrate.

You can turn through 360° or pan the probe to locate possible light sources.

Since the measurement takes place at the tip of the probe, the direction of a light source can be easily determined. The direction the tip points to is where the light comes from.

## **Battery Replacement**

The battery compartment is located at the bottom of the probe. It is rectangular.

The latch is on one of the short sides of the rectangle. It is a spring clamp that can be pressed toward the other short side of the rectangle with a fingernail.

The probe should be held so that the spring clamp is on the left side.

It can then be easily opened with the thumbnail of the right hand.

If done correctly, the battery drawer will release, and you can pull it out with your thumb and forefinger. The drawer can be completely removed from the battery compartment.

The battery can be pushed out from the bottom of the drawer.

When inserting a battery, the drawer should be held so that the cutouts for the battery connectors point away from your body.

The battery terminals should also point away from your body.

In this position, the large terminal belongs on the left and the small terminal on the right.

The battery cannot be inserted incorrectly because the drawer has precisely fitting cutouts for the terminals.

The battery should be lowered into the drawer from above.

The drawer is then slid back in with the spring clamp on the left until the clamp snaps into place.

## Maintenance

The enclosure consists of two components: the body and the nose.

The body and nose are screwed together. If the nose loosens after prolonged use, it can be firmly tightened clockwise.

Opening the device by unscrewing it may damage the electronics.

The enclosure is made of PLA and should not be left in direct sunlight for extended periods. Using it in sunshine is safe.

Project page on GitHub:

[https://github.com/RobbieSandberg/Lighht-Probe\\_for\\_deafblind](https://github.com/RobbieSandberg/Lighht-Probe_for_deafblind)