



proudly presents

## **“Invisible Dimmer” LED controller**

# proximitydimmer

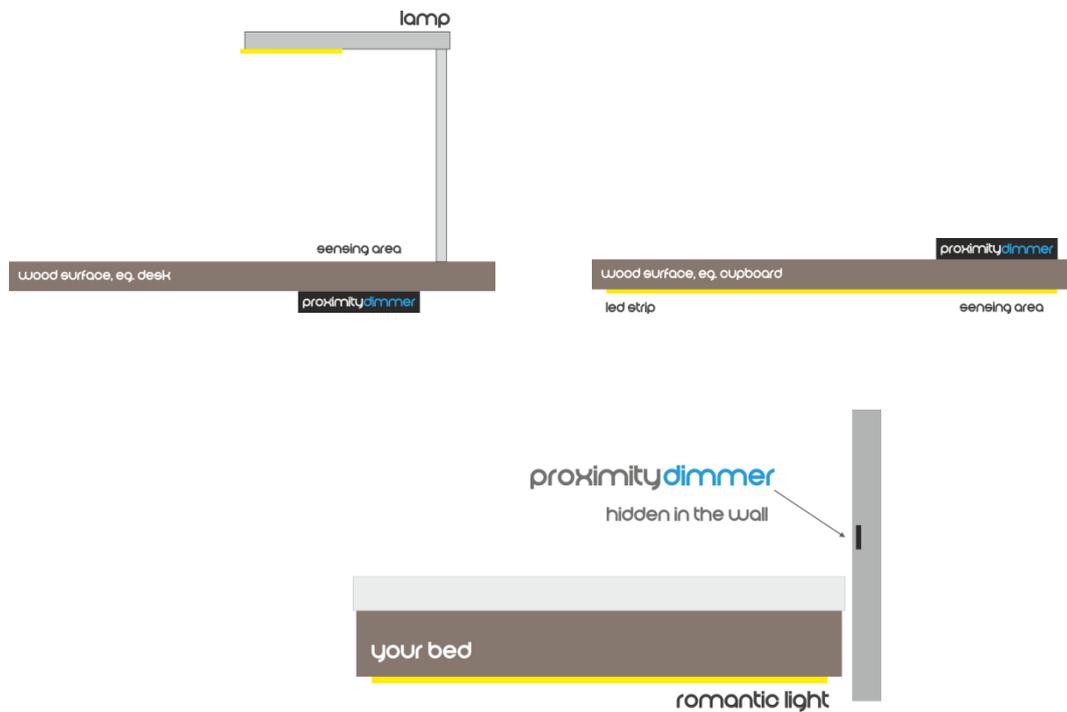
designed and manufactured in Europe



**proximityDimmer** is professional LED controller based on patented technology of captive sensing with dynamic calibration, which allows to control (switch ON/OFF, dim or use “going out” future) LED light through any non-conductive surface (e.g. wood, glass, stone, etc.) being completely invisible for user.

## FIND YOUR WAY

Due the fact that proximityDimmer works reliable through a variety of non-conductive materials like wood, stone, glass, plastic, etc., it can be easily hidden wherever you want. It can be installed in your kitchen cupboard, under the desk or table, or even inside the wall. There are a million of possibilities.



## PROFESSIONAL USAGE – HEALTH CARE

Our company is strongly connected with medical market. And one of purposes of proximityDimmer was to create a light switch which can prevent infections (think which device is commonly touched by patients and staff. In hospitals, dental, cosmetic or veterinary clinics it can be installed under the tiles. It makes it possible to disinfect it easily.

## AUTOMOTIVE

Do you love to tune your car? You put a lot of effort to make it's cool... and you really want to but led dimmer knob or button on your dashboard? Please...



## TECHNOLOGY INSIDE

### AUTO CALIBRATION ALGORITHM

When you install **proximityDimmer** under wood, plastic, glass or stone surface, you don't have to set *sensitivity, threshold, noise rejection*. It even sounds complicated. Getting some popular captive sensors to work is even worse. In **proximityDimmer** magic happens when you switch it on. Special **algorithm** measures environment influence, surface gauge and necessary threshold and **sets automatically all parameters**. Just remember to switch the power on after fixing it in place and keep your hands away for 5 seconds. That's easy!

### HIGH QUALITY COMPONENTS

You can listen a music using \$1 headphones from China or you can use a Beats by Dre Pro best quality headphones. We love second option.

We use the top quality components from International Rectifier, Microchip and Exar - **the best American semiconductors companies**. They are many cheaper alternatives but **we care about the quality**.

**IOR** International Rectifier



Because quality is your satisfaction, safety of your family and our good sleep, because we know that you'd not bring it back to us.



### UNIQUE CONSTRUCTION



The way how we make our products is quite unique. Blebox devices electronic circuits are not just inserted into a case. They are completely potted in special, **inflammable resin**, which has at least three main roles. **It protects device from** moisture, dirt, vibrations, impacts and many other environment factors which can reduces product life. Also it provides **excellent heat dissipation** (any power controller is generating heat), so we can safely switch higher loads (you can connect more LED lights to one device, even it's so small). Third reason – due the fact that it's completely inflammable it also **provides additional protection for you**.

Even if something bad happens, every protection component (and there are several inside every device) fails it will just stop working – newer causing a fire. Do you think that it doesn't happen? The way how we produce the devices is covered by several patent claims.

## EUROPEAN QUALITY

We believe that quality matters. **All our products are designed and produced in Europe**, none in Asia. Take a look at controller from China. Where is the manufacturer logo? **We're proud of our products**, they are not? Maybe because it'll be easier to google for negative comments?

And **we test every device**. Last year our customers complaint level was under 0,015% and a half of them was broken during transport.



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## PRODUCT PARAMETERS

High quality LED proximity switch with diming functionality for LED strips and DC lighting fixtures.

- **Voltage:** 12 – 15 V DC (24 V version coming soon),
- **Maximum current:** 6A
- **Dimming method:** 8 bit PWM
- **Operating temperature:** 0 - 40°C
- **Dimensions:** 41x 51 x 8 mm (18 mm with connector)
- **Protection:** reverse polarity, ESD

## WE'RE RESEARCH AND DEVELOPMENT COMPANY

That's the reason why our products are unique. All of them has been invented and developed in our laboratory, by our team. We are specialized in field of **electronic devices, telecommunication and medical appliances**. And we're just good in it. Projects carried out by the company include, among others, a smart wheelchair (we'd received **"Innovation of the Year"** award for it!), compact, wireless, low energy sensors for embedded solutions or manufacturing technology which enables the production of extremely durable electronic devices.

Blebox.eu is a brand of high quality devices based on cutting edge technology. We believe that you'll love it as we do.

## DO YOU ALREADY KNOW BLEBOX.EU FAMILY?



## CONTACT DETAILS

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## COMPANY DETAILS

**BleBox** is a member of the Arlamowski Investment Company,

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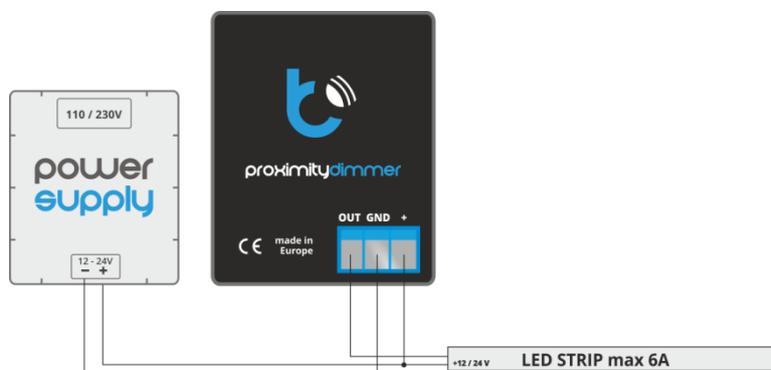
## USER GUIDE

### INSTALLATION

Make sure that the power supply and LED / LED RGB light source meets the electrical and environmental requirements and your knowledge is enough to install the device by yourself. If having any doubts, please contact your local LED shop or skilled electrician for necessary assistance.

**Before proceeding to installation, please ensure that the power supply is disconnected from the mains.**

Remove an insulation from the wires and connect them according to the below diagram.



Device is provided with two strips of highly adhesive tape on the rear side. Before fixing it to the surface, please clean and dry it. Remove protection film and **after positioning it correctly** press it to the surface and hold for a few seconds. Due the fact that the tape is very strong it's not possible to easily reposition the device, so do it carefully.

After ensuring that everything is connected correctly, switch on the power supply. When switching the power source on, **please don't place your hands, body or any conductive objects near device, because it'll influence initial calibration process and it will not work** correctly. If it will happen, just switch off the power, wait 10 seconds and switch it on again.

### USAGE

- **Approach without touching** - "temporary mode" – switch on the light for a low power and short time, will switch off automatically after period of time;
- **Short touch** – switch on / off;
- **Long touch / hold** – adjust brightness.