

## USER GUIDE



HIGH QUALITY 4-CHANNELS AMPLIFIER LED / LED RGB

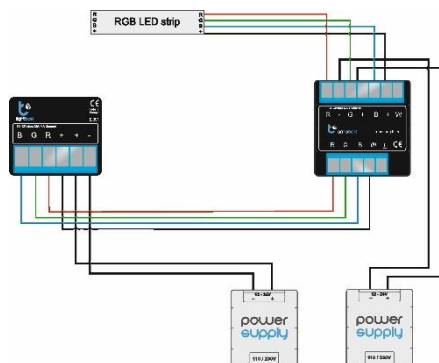
ampBox is a professional, four-channel LED amplifier, designed to work in traditional and smart low-voltage LED systems.

|  |   |
|--|---|
|  | Important: Before starting the installation, make sure the power is off and you read the following instructions carefully.  |
|  | Do not connect the device to loads exceeding recommended values.  |
|  | Connect only in accordance with the diagram presented in the manual. Improper connections may be dangerous.   |
|  | <b>DANGER!</b> Even when the device is turned off, voltage may be present at its terminals. Any works introducing changes into the configuration of connections or the load must be always performed with disconnected voltage (disable the fuse) |

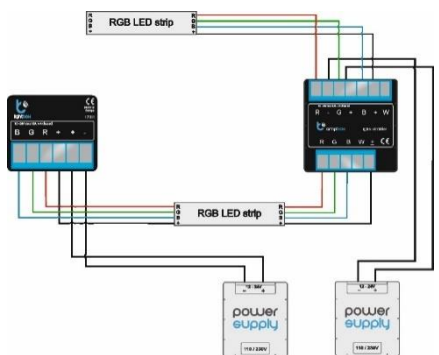
## INSTALLATION

1. Make sure that the power supply is disconnected.

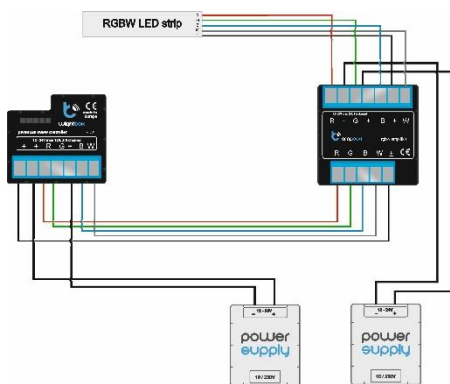
2. Connect the LED strip, the power supply and the ampBox according to the diagram:



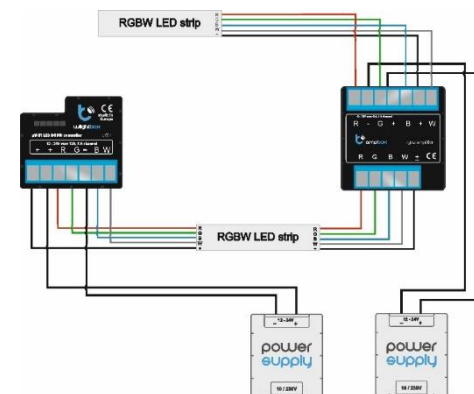
1. ampBox connected with LightBox 3-channel and RGB strip



2. ampBox connected with LightBox 3-channel and RGB LED strip



3. ampBox connected with wLightBox 4-channel and 1 RGBW strip



4. ampBox connected with wLightBox 4-channel and 2 RGBW strip

3. Check the wiring. If everything is properly connected, turn on the power.

| TECHNICAL SPECIFICATIONS<br>ampBox     |  |                             |  |
|--|--|-----------------------------|--|
| electrical parameters                  |  |                             |  |
| supply voltage                         | 12 – 24V DC  | number of channels          | 4  |
| maximum current                        | 20A  | Energy consumption          | 480W   |
| maximum current/channel                | 5A   | energy consumption          | < 0,1 W  |
| physical characteristics of the device |  |                             |  |
| dimensions                             | 48 x 40 x 19 mm  | degree of protection        | IP20   |
| housing                                | non-flammable resin which dissipates heat                | Connction method            | Screw terminal block connector   |
| mounting method                        | in electrical back box, in the lightning fixture housing | operating temperature range | from -10 to + 40°C   |
| input signal                           | PMW common VCC or GND                                    | output signal               | PMW common VCC   |
| galvanic separation                    | Yes - optical  | power IC                    | internal rectifiers<br>n-type metal oxide semiconductor<br>field effect transistor |
| correction signal                      | yes - digital  |                             |  |

More information and technical support contact your dealer Blebox.eu, visit [www.blebox.eu](http://www.blebox.eu) or send us an e-mail: [info@blebox.eu](mailto:info@blebox.eu)



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