USER GUIDE

wLightbox

CONTROL RGB LED LIGHTING FROM YOUR SMARTPHONE OR TABLET

wLightBox is the world's smallest wireless LED light which allows you to control colourful (RGB + W) and mono-color LED lighting. It is supported not only by smartphones and tablets, but also laptops, personal computers and other modern devices.

⚠	Do not connect the device to loads exceeding the recommended values.
⚠	Connect only in accordance with the manual. Improper connections may be dangerous.
⚡	DANGER! 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. Device must be installed in a place protected from the inclement conditions and the environment - for example in a flush-mounted box or inside the controlled device housing. Remember that metal parts (cables, housing parts) negatively may affect the device signal, and therefore, the user comfort. Due to the voltage necessary for the device work, the connector of the controller should be protected against accidental contacts or short circuits, which could cause an electric shock or equipment damage.
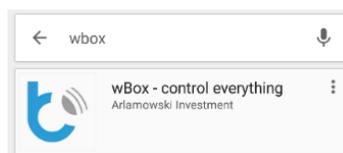
2. Once familiar with the connection diagram, proceed to install the controller. Paying attention to the description of the connectors, connect the power wire. Connect the „+" wire (usually marked with a dotted line on a black wire or a red wire) and the „-" (usually black) to the controller. Connect the light source. In this case LED strip. Connect the „+" (cathode) to the terminal „+".

3. Connect the lighting to the controller depending of the type of LED strip chosen. If you have a four channel LED strip (RGBW) choose the first diagram. If you have a three channel LED strip (RGB) and a single colour LED strip (white), choose the second diagram. If you have 4 LED strip with a single colour LED strip, choose the third diagram.

FIRST USE

4. After making sure that the device is connected properly and near the controller there are no metal objects that could accidentally cause short-circuit, turn on the electricity.
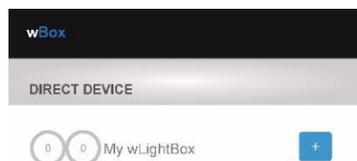
5. Unlock your smartphone or tablet and download the free app wBox. If you have a device with Android system, find the app in the Play Store. For iOS system the application is in the App Store. For Windows Phone, the application is in the Windows Store.

6. Using a mobile phone or tablet, connect it to the device WiFi network. To do this, go to smartphone settings, WiFi networks configuration and find the network called "wLightBox-xxxxxxxxxx" where xxxxxxxxxx is the device serial number.
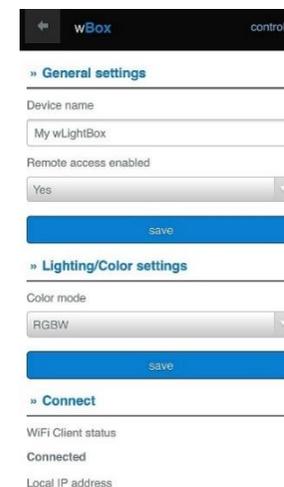

7. Open the wBox application. At the top of the screen will appear the device. To add it to the list, click on the ikon "+" on the right side, next to the name.

8. Test the controller by choosing different colours on the colour selector on the controller main screen in the application. If the LED lights changes colour or brightness go to the next step.

DEVICE SETTINGS

9. After the first start of the controller, you can proceed to the further configuration. Being connected to the WiFi network "wLightBox-xxxxxxxxxx" in the application wBox control panel, select the device, open "Settings" at the top-right corner of the screen. You can also change the device name, user name and the password of WiFi network generated by the device. Keep in mind that changing the network name or password, the device will disconnect, and will require re-connect to the network in your phone or tablet settings. To return to the control, click on „wLightBox" at the top-left corner of the screen.

10. You can add the controller to your home WiFi network to control it by this network, or from any place in the World. To do this, turn on the application wBox, go to the device settings, scroll down the screen, select the network name from the list and click "Connect". If is required, enter the WiFi network password. While connecting the device to the home network, the phone may be disconnected from the device network. In that case, you have to re-connect your phone or tablet to the controller network. From now, if the mobile device will disconnect from your home network, the user still has the ability to control the device, the only requirement is access to the Internet on your phone or tablet - WiFi or mobile internet.

For more information visit our website www.blebox.eu or contact us by email to info@blebox.eu. Technical support support@blebox.eu.
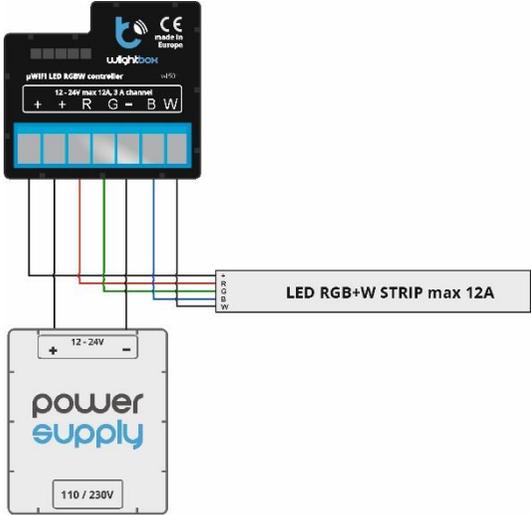
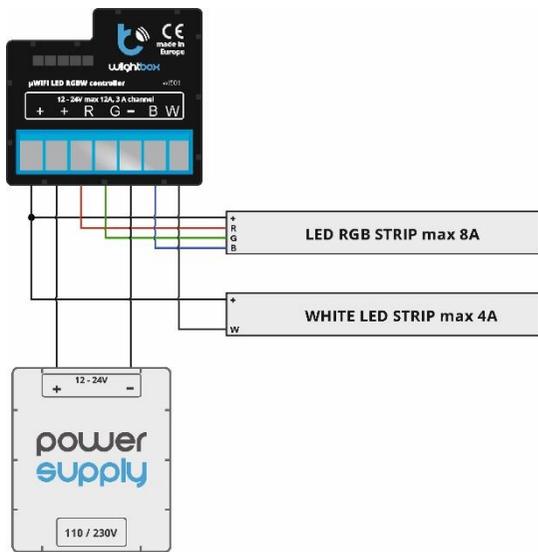| TECHNICAL SPECIFICATIONS wlightBox			
Electrical parameters			
Voltage	12 - 24V	Energy consumption	< 1W
Max current	12A (3A /channel)	Max voltage	24V
Output controls	4	Max load	288W
Output type	open drain, PWM, low side control	Colour modes	RGB / RGBW / MONO
Physical characteristics			
Dimensions	39 x 35 x 20 mm	Protection level	IP20
Housing	made of polyurethane composition not containing halogens, self-extinguishing for thermal class B (130 °C)	Mounting	in the flush-mounted box, on the lamp housing, directly connected to the LED strip, e.g. furniture
Protection	inverted polarization, ESD		
Communication			
Standard	µWiFi, compatible with WiFi	Frequency	2.4 GHz
Transmission	bi-directional, encrypted	API	open
Mode	direct connection (as access point), Wi-Fi connection via a standard router, connection with access from any location in the world (requires access to the Internet)	Compatible devices	Apple iPhone, Apple iPad, iPad Mini, Android, Windows Phone, computers and mobile devices operating a fully HTML5, Apple watch support coming soon.

1) FOUR CHANNEL LED STRIP

2) THREE CHANNEL LED STRIP + SINGLE COLOUR LED (WHITE)

3) 4 x SINGLE COLOUR LED STRIP