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by Mi·Light®

# remote control - 4 ZONES control
# LENNY-MD-092

## Smart LED control system

New smart LED **color control system** with 2.4GHz remote control.

**Auto synchronisation** and **auto transmission** functions.

The device adopts low power consumption technologies
and one controller can manage several receivers at the same time.

The system does not produce interference as it uses a very low level transmission signal.

Suitable for simple installations in both domestic and professional environments.

## Owners manual

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# LENNY-MD-092 4 ZONES control
## Smart LED control system

# LENNY-MD-092 4 ZONES control

## Smart LED control system

## Technical specifications

| Remote control | |
|---|---|
| Model | LENNY-MD-092 |
| Voltage | 3V (2 AAA batteries)* |
| Emitting power | 6dBm |
| Standby current | 20uA |
| Working temperature | -20~60°C |
| Working frequency | 2400-2483.5MHz |
| Modulation type | GFSK |
| Aprox. operational distance | 30m |

* Not included.
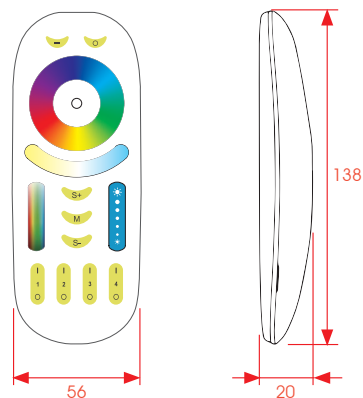
| DIRECT CURRENT DRIVERS | | | |
|---|---|---|---|
| | LENNY-DRV-LS2 | LENNY-DRV-WL5 | LENNY-DRV-WL2P |
| Description | 5 in 1 receiver | WiFi 5 in 1 receiver | WiFi 2 in 1 receiver |
| Voltage | DC12V~24V (terminal block & jack plug inputs) | | |
| Output max. current | 6A per channel | | 12A per channel |
| Total current | 15A | | 12A |
| Working temperatue | -20~60°C | | -10~40°C |
| Working frequency | 2.4GHz | | |
| Aprox. operational distance | 30m | | |
| Connection mode | Common anode | | |
| WIFI | Requires gateway LENNY-WIFOX1 | Included | |
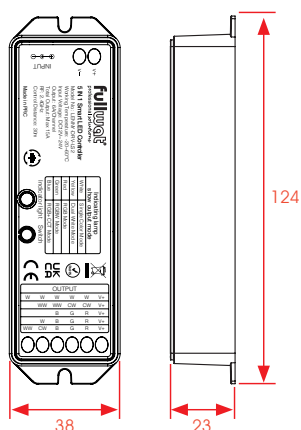


LENNY-DRV-LS2
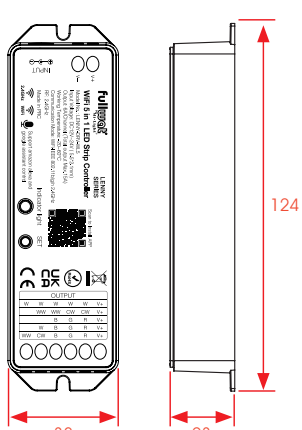
LENNY-DRV-WL5
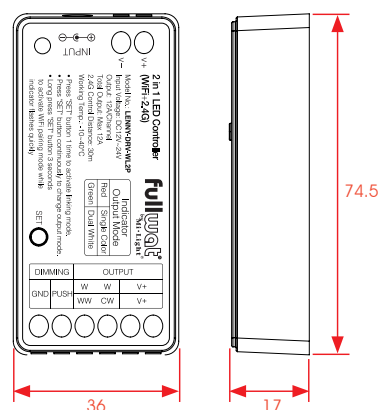
LENNY-DRV-WL2P

# LENNY-MD-092 4 ZONES control

## Smart LED control system

## Technical specifications

| ALTERNATE CURRENT DRIVER | TRIAC controller |
|---|---|
| Model | LENNY-TRIAC1 |
| Input voltage | AC 100-240V 50/60Hz |
| Output voltage | AC 100-240V |
| Ouput current | MAX 1.36A |
| Output power | 150W@100VAC; 300W@240VAC |
| Regulation method | Wireless RF, push button, APP |
| RF range | 30m |
| Working temperature | -10-40ºC |
| WIFI | Requires gateway LENNY-WIFOX1 |

| WIFI GATEWAY | |
|---|---|
| Model | LENNY-WIFOX1 |
| Working voltage | DC5V/500mA (Micro USB) |
| Working temperature | -20~60°C |
| Communication | WiFi-IEEE 802.11b/g/n 2.4GHz |
| Working frequency | 2.4GHz |
| Transmission power | 6dBm |
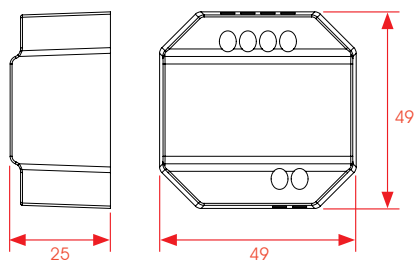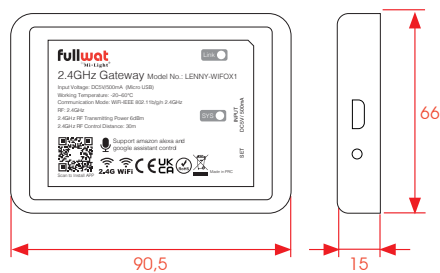
\* Suggested AC/DC adaptors (not included):  MWMU10GS
                                                                              FU-ADPY10-5-USB

# LENNY-MD-092 4 ZONES control

## Smart LED control system

## SINGLE COLOR

### Remote control functions: LENNY-MD-092

To regulate LED strip, we must use "brightness regulation" bar. Use "ON" and "OFF" keys to switch LED strips on and off.

**Note:** We need one driver at least per each zone we want to control.

Brightness control.

Saturation control
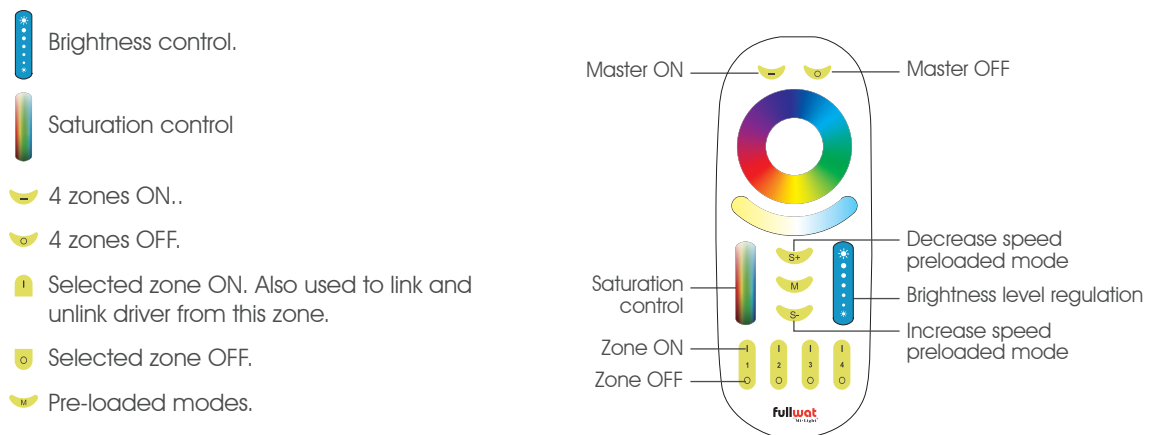
4 zones ON..

4 zones OFF.

Selected zone ON. Also used to link and unlink driver from this zone.

Selected zone OFF.

Pre-loaded modes.

Master ON — Master OFF

Saturation control

Zone ON
Zone OFF

Decrease speed preloaded mode

Brightness level regulation

Increase speed preloaded mode

### Mobile control

For control via mobile phone, Alexa, Google Home or Google Assistant, a WIFI gateway is required, either built into the receiver or using the LENNY-WIFOX1 gateway.

**WIFI RECEIVER**

Define LED type:
Single color
Tunable white
RGB
RGB+white
RGB+tunable white

ON /OFF

Decrease the speed of preloaded modes

Increase the speed of the preloaded modes

Preloaded modes

Brightness

Brightness level regulation

Night mode: 1% brightness

Exit preload mode and night mode

White Light | Night Light | Timer

**WIFI GATEWAY**

2.4GHz Gateway    Change

FUT092 / B4 / T4
RGB:0

ON
OFF

Saturación:0

Temperatura del color:2700K

Brillo:100

S-    Modos    S+

Zone

zone2 | Luz blanca | Minutero | Link / Unlink

Timer

Link / Unlink

# LENNY-MD-092 4 ZONES control

## Smart LED control system

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## TUNABLE WHITE

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### Remote control functions: LENNY-MD-092

On the remote control, use slide bar "dynamic white" to switch between different white tones.
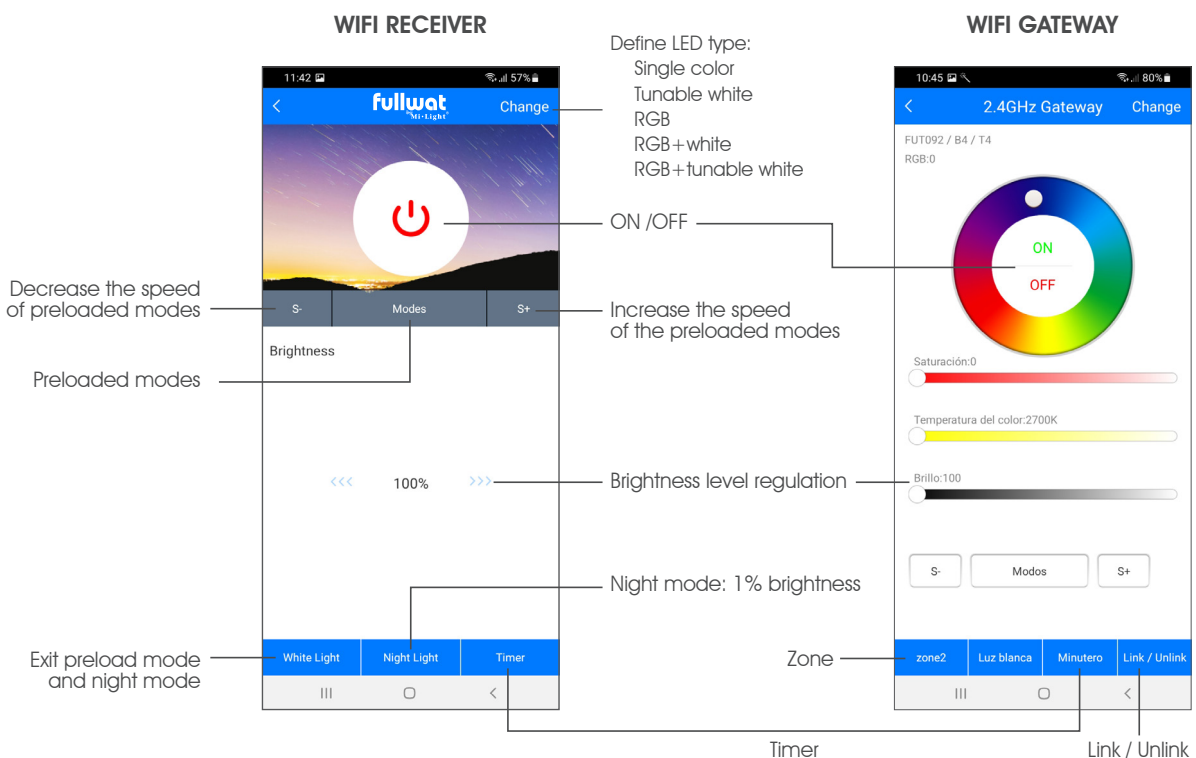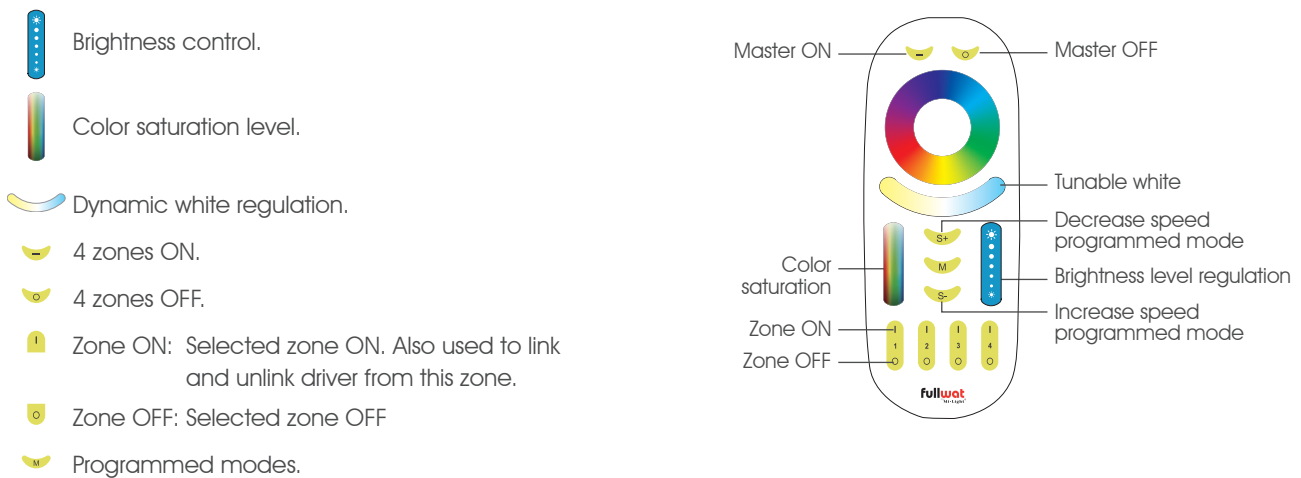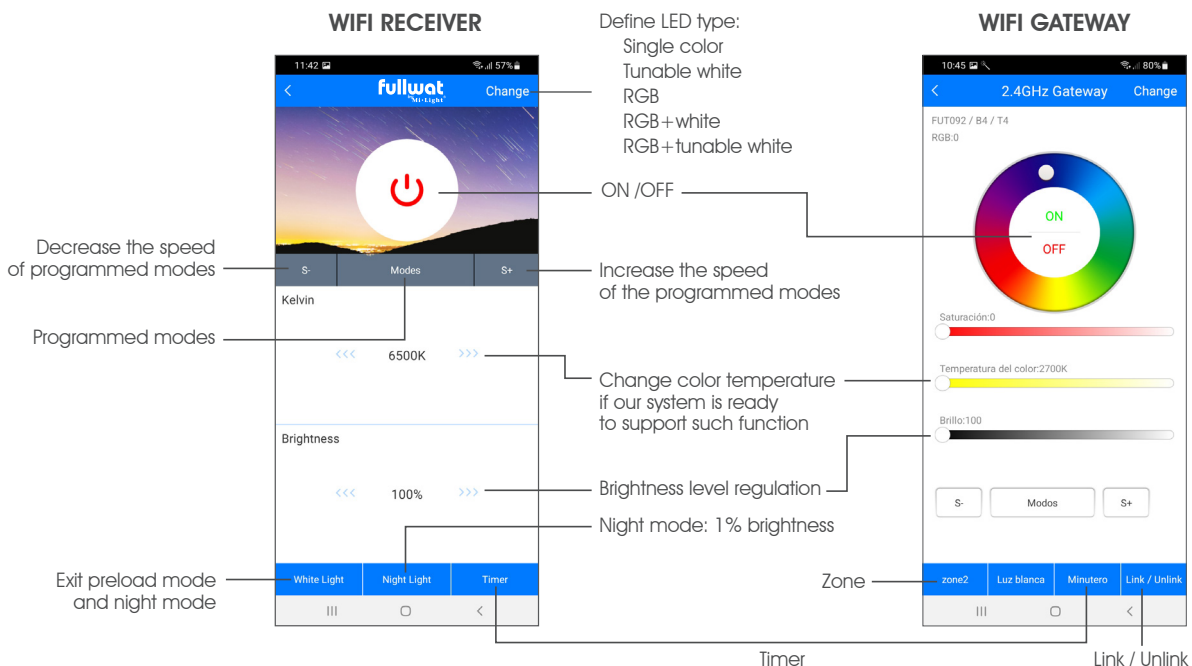To regulate LED strip, we must use "brightness regulation" bar. Use "ON" and "OFF" keys to switch LED strips on and off.

**Note:** We need one driver at least per each zone we want to control.

Brightness control.

Color saturation level.

Dynamic white regulation.

4 zones ON.

4 zones OFF.

Zone ON:  Selected zone ON. Also used to link
and unlink driver from this zone.

Zone OFF: Selected zone OFF

Programmed modes.



Master ON — Master OFF

Tunable white

Decrease speed programmed mode

Color saturation — Brightness level regulation

Zone ON — Increase speed programmed mode

Zone OFF

## Mobile control

For control via mobile phone, Alexa, Google Home or Google Assistant, a WIFI gateway is required, either built into the receiver or using the LENNY-WIFOX1 gateway.
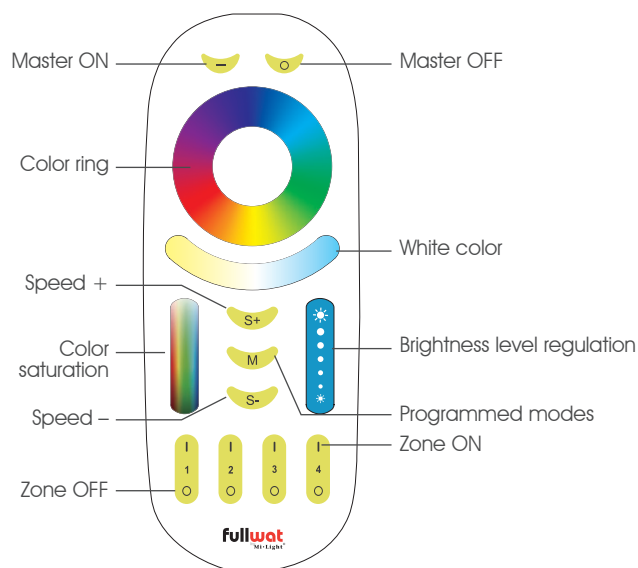
**WIFI RECEIVER**

**WIFI GATEWAY**

Define LED type:
Single color
Tunable white
RGB
RGB+white
RGB+tunable white

ON /OFF

Decrease the speed of programmed modes

Increase the speed of the programmed modes

Programmed modes

Change color temperature if our system is ready to support such function

Brightness level regulation

Night mode: 1% brightness

Exit preload mode and night mode

Zone

Timer

Link / Unlink

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# LENNY-MD-092 4 ZONES control
## Smart LED control system

## RGB

**Remote control functions: LENNY-MD-092**



Master ON — Master OFF

Color ring

White color

Speed +

Color saturation — Brightness level regulation

Speed – — Programmed modes

Zone ON

Zone OFF

---

Slide your finger over the coloured ring to change colors.

Colors and White Brightness regulation.

White color offered mixing R+G+B and it is regulated with CCT slide control.

Color saturation level.

**Note:** One driver per each zone is necessary unless.

4 zones ON at once.

4 zones OFF at once.

Dynamic programmed modes.

Under dynamic mode running, you can get light running faster with this switch.

Under dynamic mode running, you can get slow speed with this switch.

Selected zone ON. Also it is used to link and unlink every drive from this zone.

Selected zone OFF.

---

## Working mode:

• **Select color:** Touch color wheel on desired color (e.g.blue).

• **"Color saturation" bar:** Adjust color saturation (0% chosen color, 100% very saturated color).

• **Brightness level:** Adjust brightness level.

• **White:** With any color selected from color wheel, click on "white colour bar" to set full white with R+G+B mixing.

– If we slide on the bar, we will get a "dynamic white" tone mixing R+G+B (from the left is warmer and to the right is cooler).

– Brightness bar: allows you "white level" brightness regulation.

# LENNY-MD-092 4 ZONES control

## Smart LED control system

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## RGB

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### Control con móvil

For control via mobile phone, Alexa, Google Home or Google Assistant, a WIFI gateway is required, either built into the receiver or using the LENNY-WIFOX1 gateway.



Color ring

Define LED type:
   Single color
   Tunable white
   RGB
   RGB+white
   RGB+tunable white

ON / OFF

Saturation

Tunable white

Brightness level regulation

Modes

Decrease the speed

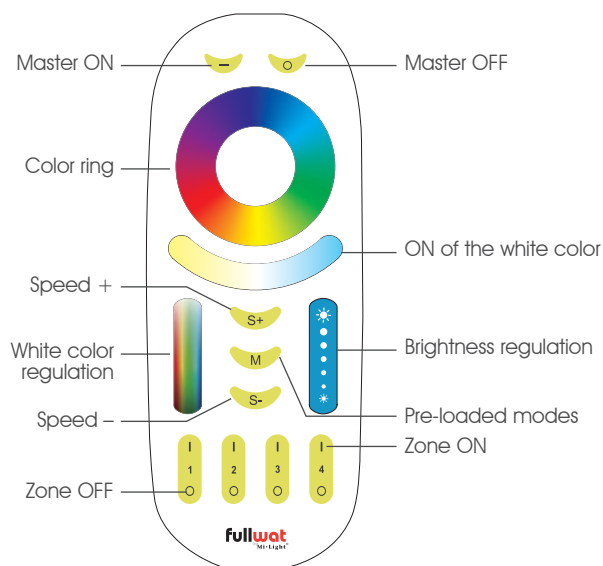Increase the speed

White with RGB

Timer

### Working mode

- **Select color:** Touch color wheel on desired color (e.g. blue).

- **Saturation:** Adjust color saturation (0% chosen color, 100% very saturated color).

- **Brightness level:** Adjust brightness level.

- **White color:** Bring out white color using R+G+B mixing combination (If maximum level is required, set saturation bar at highest level).

- **Tunable white:** System allows to simulate dynamic white levels using RGB leds.
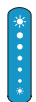
# LENNY-MD-092 4 ZONES control

## Smart LED control system

## RGBW

### Remote control functions: LENNY-MD-088

Master ON
Color ring
Speed +
White color regulation
Speed –
Zone OFF

Master OFF
ON of the white color
Brightness regulation
Pre-loaded modes
Zone ON

Slide your finger over the coloured ring to change colors.

Color brightness level and white changing.

Turns on white channel (from 4th channel) at full brightness. To regulate white, slide bar for "white channel regulation" must be used. It is not possible to achieve white with R+G+B combination.

Increasing or decreasing white brightness channel only (from 4th channel). If there is a previously selected RGB colour, adds white to the RGB colour.

4 zones ON.

4 zones OFF.

Dinamic modes.

Under dynamic mode running, you can get light running faster with this switch.

Under dynamic mode running, you can get slow speed with this switch.

Selected zone ON. Also used to link and unlink driver from this zone.

Selected zone OFF.

**Note:** One driver is necessary per every zone.

### Working mode

- **Select color:** Touch color wheel on desired color (e.g.blue).

- **Brightness bar:** Adjust brightness level.

- **Activate only white:** Click on the bar "ON white colour". It will be activated at 100%. To regulate brightness we will use slide bar "brightness regulation".

- **Activate Colour + White:** Choose colour with slide colour wheel and adjust white with slide saturation bar (0% -downwards - white channel off, 100% - upwards - white channel on at maximum).

- **Colour + White and colour removing:** Press slide bar "ON white colour".

- **Colour + white and white removing:** slide bar "white channel regulation" up to 0% (downwards).

# LENNY-MD-092 4 ZONES control

## Smart LED control system

## RGBW

### Mobile control

For control via mobile phone, Alexa, Google Home or Google Assistant, a WIFI gateway is required, either built into the receiver or using the LENNY-WIFOX1 gateway.
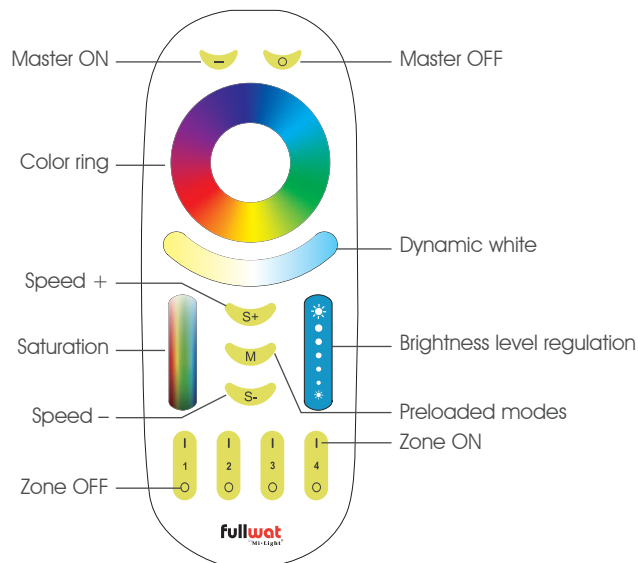


**Working mode**

- **Select color:** Touch color wheel on desired color (e.g. blue).

- **"Saturation" bar:** Adjust color saturation (0% chosen color, 100% very saturated color).

- **Brightness level:** Adjust brightness level.

- **White light:** Only white channel activation set.
  – The "Brightness slide bar" is used to set desired brightness level.

- **Color + White activation:** Choose color with "color slide wheel" and set white level with saturation bar (0% white channel off, 100% white channel set at max level).

- **Color + tunable white and turn off white:** We lower the saturation to 0%.

- **Remove Color + white and Color levels**: Press "White light".

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# LENNY-MD-092 4 ZONES control
## Smart LED control system

## RGBWW

### Remote control functions: LENNY-MD-092



Master ON — Master OFF
Color ring
Dynamic white
Speed +
Saturation — Brightness level regulation
Speed – — Preloaded modes
Zone ON
Zone OFF

Slide your finger over the coloured ring to change colors.

Color and white brightness control.

Dynamic white regulation.

Only white channel increasing or decreasing previously defined with slide "white dynamic" bar. If there is a previous selected color, you can add white to RGB color level.

4 zones ON.

4 zones OFF.

**M** Dynamic modes.

**S+** Under dynamic mode running, you can get light running faster with this switch.

**S-** Under dynamic mode running, you can get slow speed with this switch.

**I** Selected zone ON. Also used to link and unlink driver from this zone.

**O** Selected zone OFF.

**Note:** We need one driver at least per each zone we want to control.

## Working mode

• **Select color:** Touch color wheel on desired color (e.g. blue).

• **Brightness level:** Adjust brightness level.

• **Dynamic White Control:** Use "Dynamic White" slide bar to achieve desired tone.

• **Colour + White activation:** Allows you to choose "white" tone, read "dynamic white control". Once we have chosen desired white tone, we choose colour using the colour slide wheel.

  – **Colour + Dynamic white and white removing:** Use slide "colour saturation"bar. Upwards is 100% (selected white tone will be turned on to the maximum) and downwards is 0% (white will be turned off and only selected colour will remain).

  – **Colour + Dynamic white and colour removing:** Use slide "dynamic white" bar to choose desired white tone (when pressed, it will be set to 100%).

# LENNY-MD-092 4 ZONES control

## Smart LED control system

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## RGBWW

### Mobile control

For control via mobile phone, Alexa, Google Home or Google Assistant, a WIFI gateway is required, either built into the receiver or using the LENNY-WIFOX1 gateway.



## Working mode

• **Select color:** Touch color wheel on desired color (e.g.blue)

• **Brightness level:** Adjust brightness level.

• **Tunable white:** Slide your finger over "tunable white bar" to get desired white tone.

  – Note: If there is a previous selected level from color slide wheel, it will switch off.

• **Color + Dynamic White:** Choose desired color with slide wheel and adjust white tone desired with saturation bar (0% white channel off, 100% white channel at highest level).

  – Note: If dynamic white color is desired, please firstly set dynamic white mode.

• **Color + dynamic white and turn white off:** Set saturation bar at lowest level 0%.

• **Color + dynamic white and color off:** Select dynamic white tone with "Kelvin grade" bar and color will be switched off.
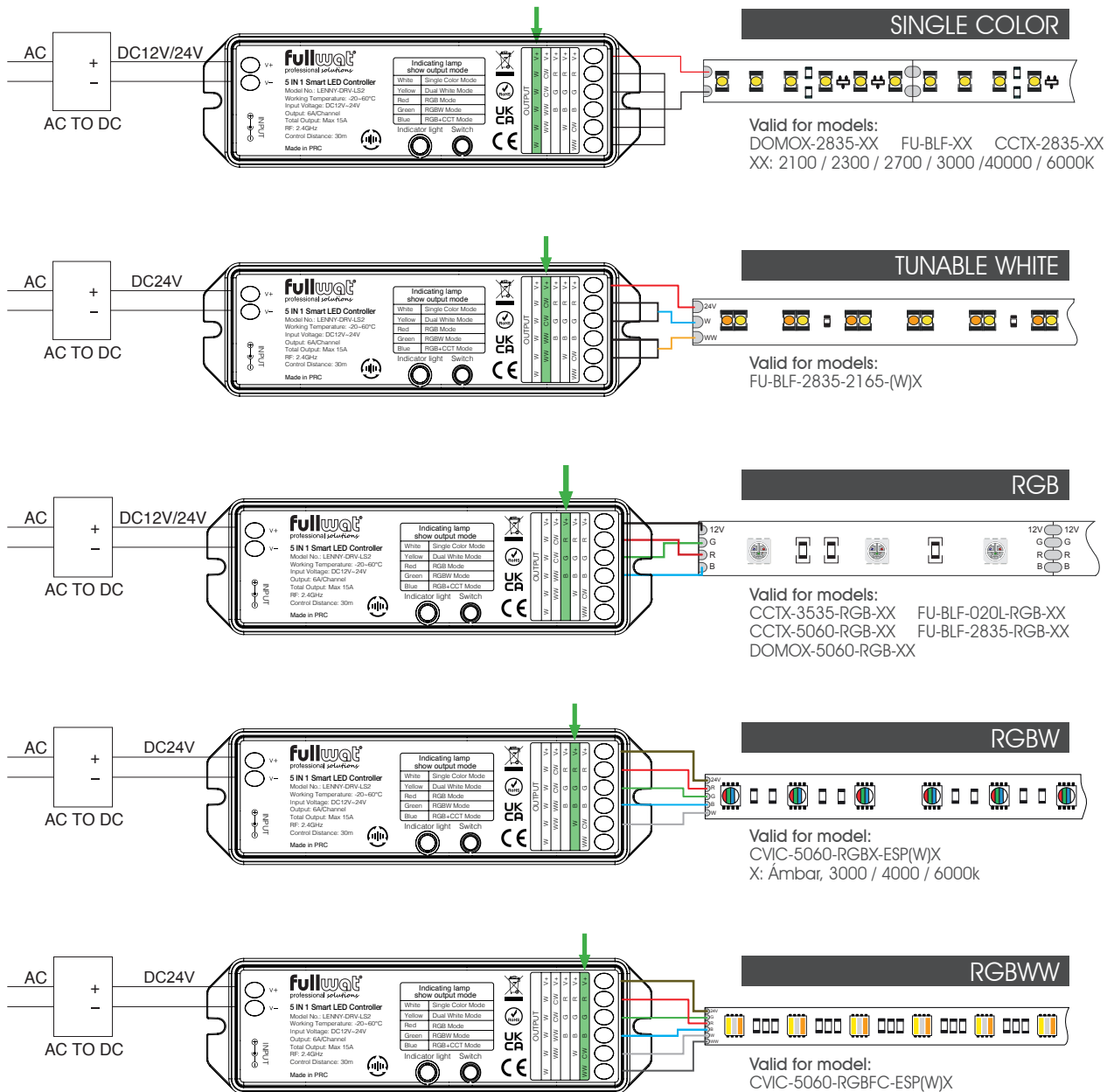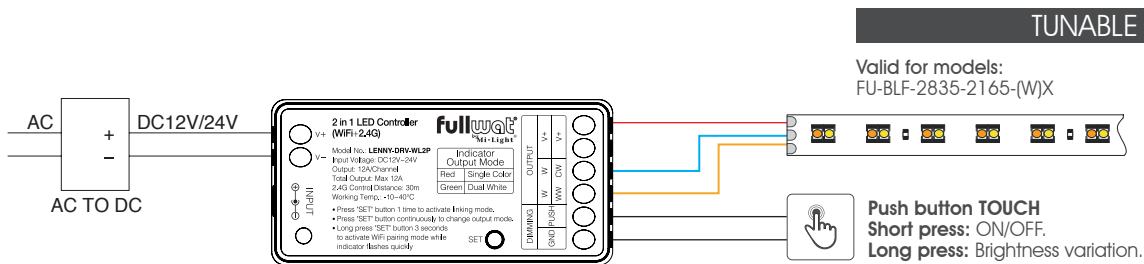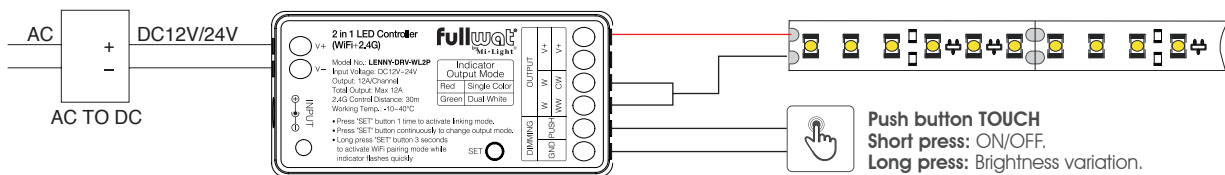
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# LENNY-MD-092 4 ZONES control

## Smart LED control system

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## Led Strip-controller connection

**Connection drawing**

5 in 1 driver **LENNY-DRV-LS2** / **LENNY-DRV-WL5**



### SINGLE COLOR

Valid for models:
DOMOX-2835-XX    FU-BLF-XX    CCTX-2835-XX
XX: 2100 / 2300 / 2700 / 3000 /40000 / 6000K

### TUNABLE WHITE

Valid for models:
FU-BLF-2835-2165-(W)X

### RGB

Valid for models:
CCTX-3535-RGB-XX          FU-BLF-020L-RGB-XX
CCTX-5060-RGB-XX          FU-BLF-2835-RGB-XX
DOMOX-5060-RGB-XX

### RGBW

Valid for model:
CVIC-5060-RGBX-ESP(W)X
X: Ámbar, 3000 / 4000 / 6000k

### RGBWW

Valid for model:
CVIC-5060-RGBFC-ESP(W)X

---

"Switch" button can be used to indicate which type of product is being managed. To do so, press the "Switch" or "SET" button with a short touch until color from "indicator light" is required one.

| | Single color | Tunable white | RGB | RGBW | RGBWW |
|---|---|---|---|---|---|
| Indicator light | ○ | ○ | ○ | ○ | ○ |

# LENNY-MD-092 4 ZONES control

## Smart LED control system

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## Led Strip-controller connection

### Connection drawing

2 in 1 driver **LENNY-DRV-WL2P**



**SINGLE COLOR**

Valid for models:
DOMOX-2835-XX    FU-BLF-XX   CCTX-2835-XX
XX: 2100 / 2300 / 2700 / 3000 /40000 / 6000K

**Push button TOUCH**
**Short press:** ON/OFF.
**Long press:** Brightness variation.



**TUNABLE WHITE**

Valid for models:
FU-BLF-2835-2165-(W)X

**Push button TOUCH**
**Short press:** ON/OFF.
**Long press:** Brightness variation.

Press "SET" continuously to switch between single color and tunable white mode.

### LENNY-TRIAC1 Push button control



Input: AC100~240V

Push button

Triac dimmable LED lighting.
Traditional filament lamp.
Halogen lamp
or AC led strip (ACCX series)
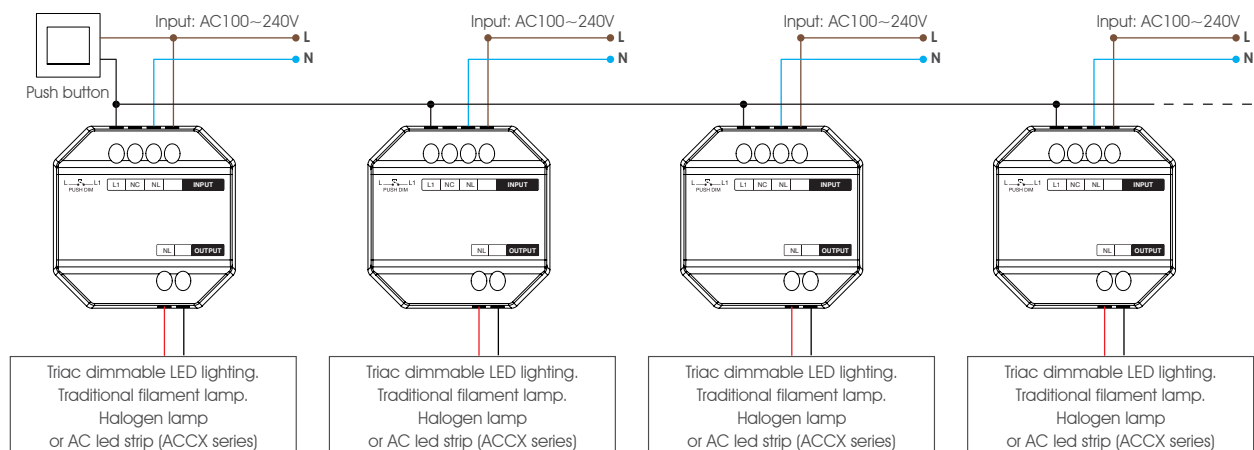
### Functioning

**Short press:** Switches the connected device ON/OFF.
**Long press (press and hold):** increases or decreases the intensity of the light.

### Connection

The maximum number of TRIACs is 25 pieces and maximum wiring distance from the push button is 20m.
To control everything with a single push button, LENNY-TRIACs must be connected in cascade according to the connection diagram.

# LENNY-MD-092 4 ZONES control

## Smart LED control system

**List of LENNY-DRV-LS2 and LENNY-DRV-WL5 modes and functions for RGB / RGBW / RGBWW**

| Number | Dynamic mode | Brightness / Saturation / Speed |
|:------:|--------------|:-------------------------------:|
| 1 | Mardi Gras | |
| 2 | Automatic colors changing | |
| 3 | Sam | |
| 4 | Gemma | |
| 5 | Twlight | Adjustable |
| 6 | American | |
| 7 | Super super Tuesday | |
| 8 | Party | |
| 9 | Splash colors | |

# LENNY-MD-092 4 ZONES control

## Smart LED control system

## System linking and unlinking

**Note**: The light only works after the controller is paired with one or more receivers.

**Linking.** Place Remote controller close to the desired driver to be paired.

Before starting linking process, configure receiver according to the type of LED strip. Refer to "wiring diagram" section (previous point) from the manual.

power supply

receiver

link/unliknk button

power supply

receiver
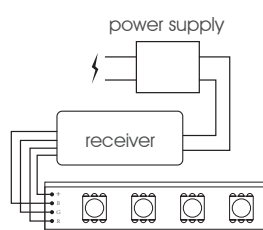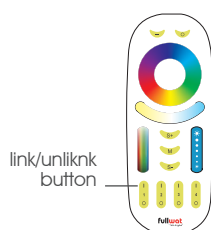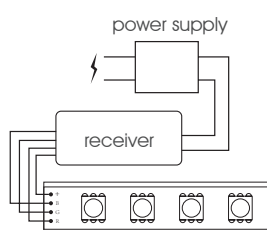
⚠ If light does not flash slowly, the bonding is not done. Repeat the process until this occurs.

**1.** Switch off power supply and after 10 seconds, switch it on again.

**Note:** For LENNY-DRV-WL2P or LENNY-TRIAC1, press the SET button once to enter pairing mode.

**2.** Press ON button on the remote control 3 times within a maximum period of 3 sec.

**3.** The light will flash 3 times slowly to indicate successful pairing.

### Unlinking

power supply

receiver

link/unliknk button

power supply

receiver
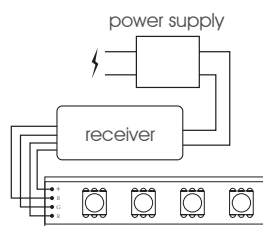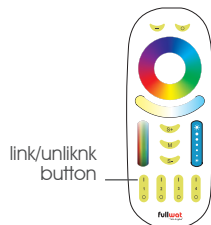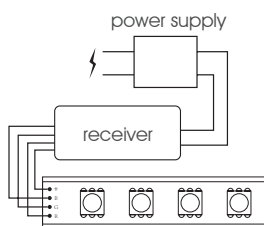
⚠ If light does not flash quickly, the bonding is not done. Repeat the process until this occurs.

**1.** Switch off power supply and after 10 seconds, switch it on again.

**Note:** For LENNY-DRV-WL2P or LENNY-TRIAC1, press the SET button once to ente    r pairing mode.

**2.** Press ON button on the remote control 5 times within a maximum period of 3 sec.

**3.** The light will flash 10 times quickly to indicate that unlinking is successful.

## Attention

1. ⚠ **Please check if input voltage is compatible with voltage supported by the driver. Pay special attention not to cross positive and negative poles.**
   **Reversed connection will damage the controller.**

2. Do not connect the cables while the power supply is on. Turn it on when you are sure of connections are correct and there is no short circuit is possible.

3. Avoid placing driver controller in areas influenced by electromagnetic fields or close to devices that produce electromagnetic fields. Also, do not place driver controller in areas shielded by metal surfaces or where metal surfaces come between the control and the controller.

   This would affect operating distance effectiveness.

# LENNY-MD-092 4 ZONES control

## Smart LED control system

## Device auto-sync

Different receiver drivers can be connected to operate with the same remote controller and operate in the same modes.
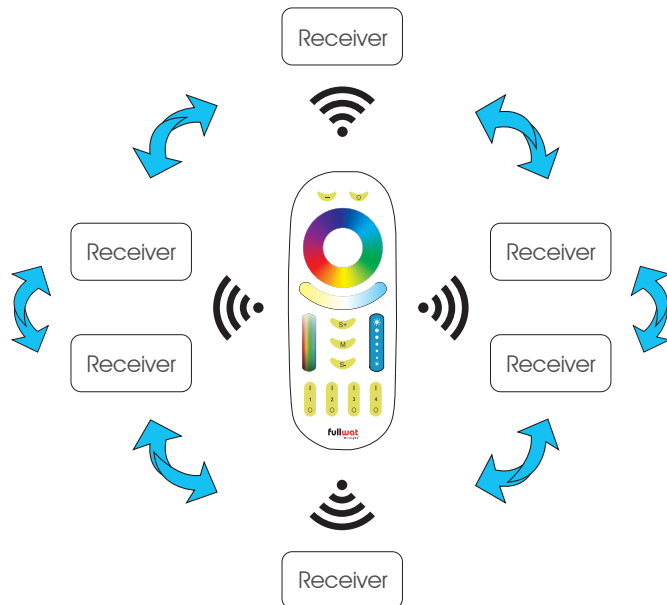


**Notes:**

1. 🔄 : Self emitting indication.

2. Remote driver controllers can be paired with the same remote controller within a maximum range of 30 meters. (possible where as free or semi-free spaces and without too many obstacles or walls).

## Auto-transmitting function

A single remote controller may transmit control signals in succession to other driver controllers provided if maximum coverage distance of 30m is respected between them.
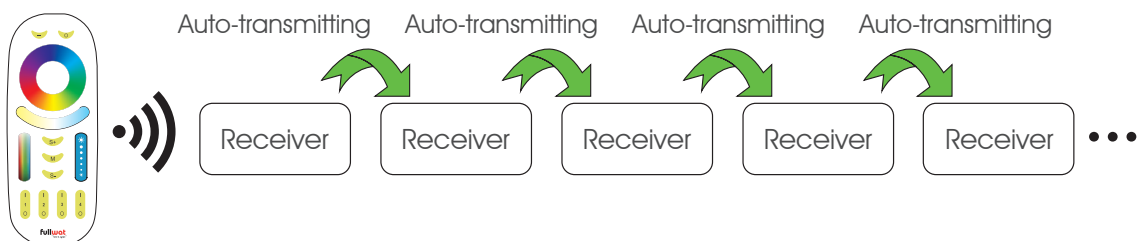
# LENNY-MD-092 4 ZONES control

## Smart LED control system

### Installation diagram - LENNY-TRIAC1



Push button

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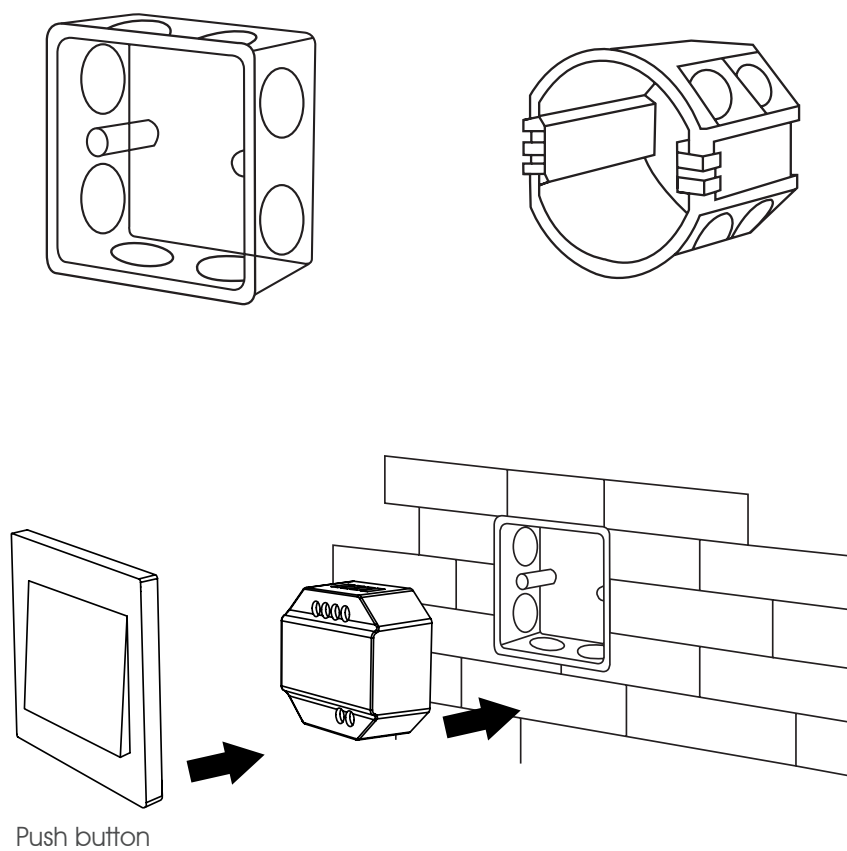
# LENNY-MD-092 4 ZONES control
## Smart LED control system

## Mobile phone pairing

Download and install the application on your mobile phone:
a. Via QRI code
b. Searching the Play Store for "MiBoxer".

**Note:**
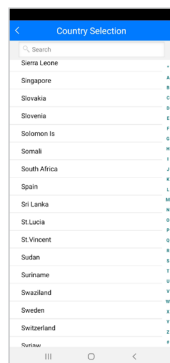Also compatible with the application: SMART LIFE

To link our installation with our mobile phone, we will need one of these drivers:

– LENNY-DRV-WL5

– LENNY-DRV-WL2P

– LENNY-DRV-LS2 + LENNY-WIFOX1

– LENNY-TRIAC1 + LENNY-WIFOX1

Register in MiBoxer:
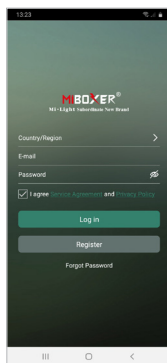
| | | | |
|---|---|---|---|
| Insert your email adress | Insert your country | Choose password | Accept conditions and terms |
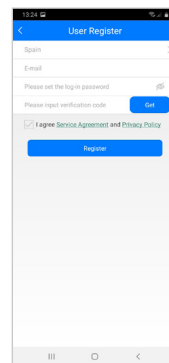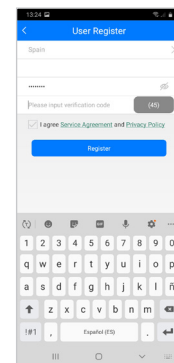
We will receive an e-mail with a registration verification code, which we will have to enter in the application to finish registering account.

In order to use the application, we must activate GPS on our mobile phone (either Android or Apple).

Once on the main screen and our session started, we must add the device. To do this:
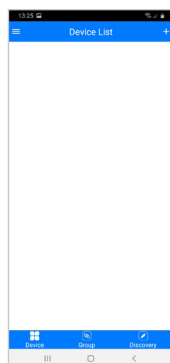
Push "+" to add device
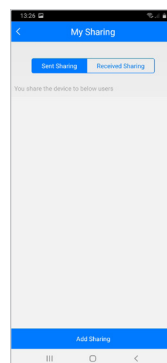
Push "add sharing".

# LENNY-MD-092 4 ZONES control

## Smart LED control system

## Mobile phone pairing

Select device model:
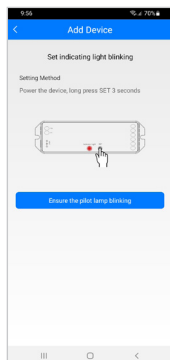
**For model LENNY-DRV-WL5:**
Click on "Smart Strip Controller (WL5)".

**For model LENNY-DRV-WL2P:**
Click on "LED controller (FUT035W-FUT039W)".

**For model LENNY-DRV-LS2 or model LENNY-TRIAC1:**
Click on "2.4GHz Gateway (WL-Box1)".

**For model LENNY-DRV-WL5:**
Disconnect power supply from LENNY-DRV-WL5 for 10 sec.

After 10 seconds, power the controller and within the first three seconds, press and hold "SET" button on the receiver until LED on the receiver flashes.

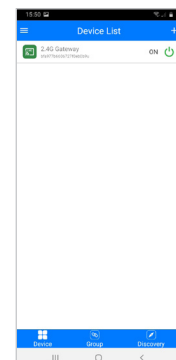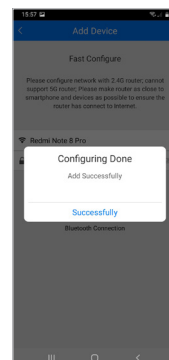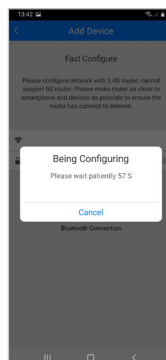**For models LENNY-DRV-WL2P / LENNY-DRV-LS2 / LENNY-TRIAC1:**
Press SET button on device or on WIFI gateway for 3 seconds to activate WIFI signal.

In both cases, on the phone screen, click on "Ensure pilot lamp blinking".
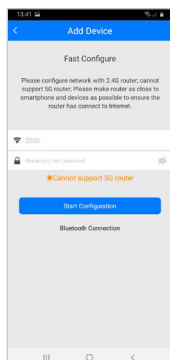
Enter network name and password.

**Attention:** only 2.4GHz network is supported (no 5G) and click on "Start configuration".
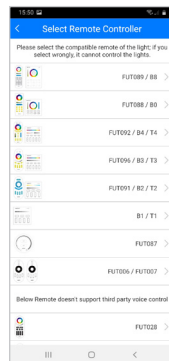
A countdown will appear and once paired, it will indicate that pairing has been successful.

Our device will appear in the list of paired devices.

# LENNY-MD-092 4 ZONES control
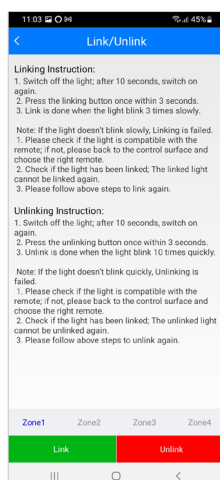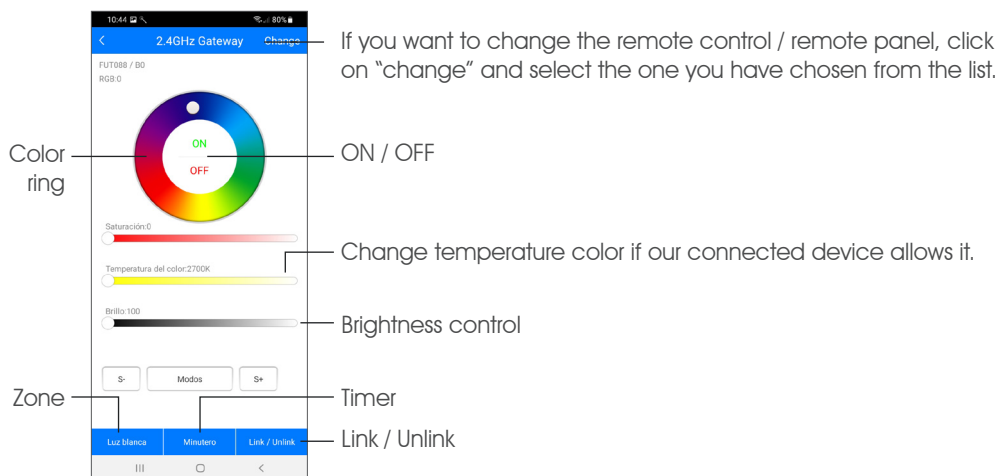
## Smart LED control system

## Mobile phone pairing



### Wether we have to use the WIFI gateway (LENNY-WIFOX1):

We must link the driver to be controlled via the APP.
To do this, click on 2.4GHz gateway.

First we must choose whether we are going to configure one or more zones. In this case, as it is a zone, we enter the "change" section and select FUT092/B4/T4.

On the screen of our mobile phone we will see image as follows:



If you want to change the remote control / remote panel, click on "change" and select the one you have chosen from the list.

**Color ring**

**ON / OFF**

Change temperature color if our connected device allows it.

Brightness control

**Zone**

**Timer**

Link / Unlink



Click on "Link/Unlink".

Click on "link" to link and on "unlink" to unlink.

Remove the power supply to controller for 10 seconds.

After 10 seconds, power the controller and in the first 3 seconds, click on the mobile screen on "link" or "unlink".

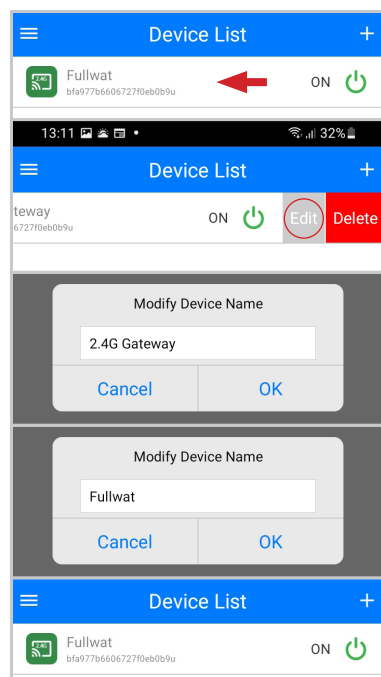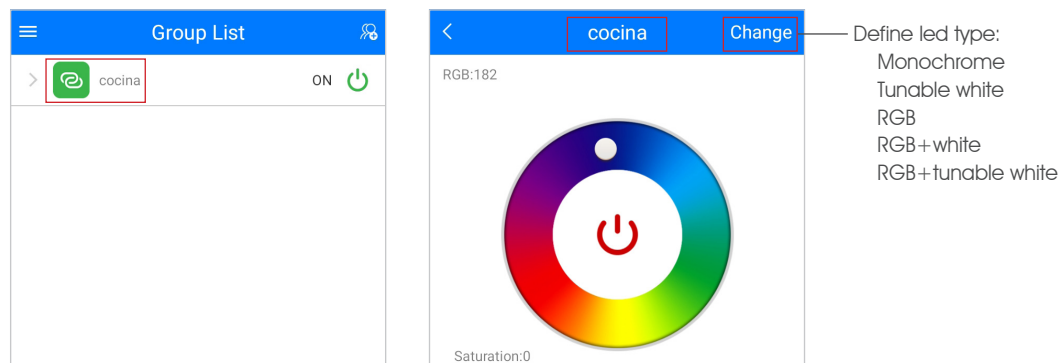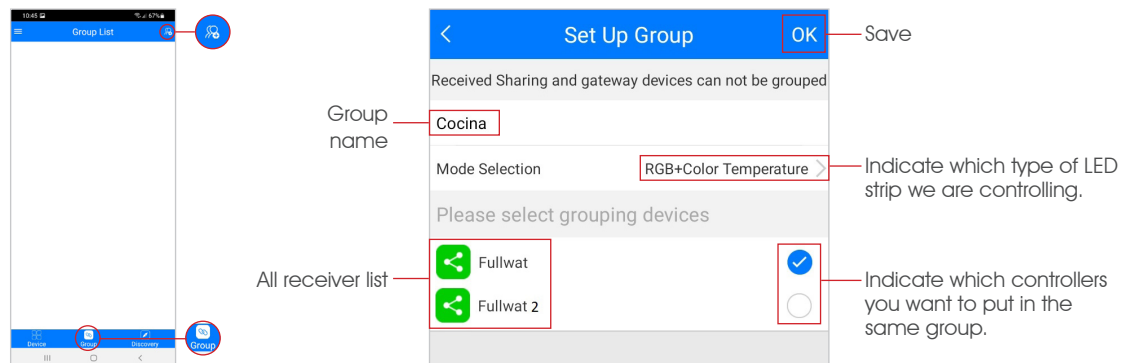The light will flash three times and confirm correct linking.

In the case of unlink, light will flash 10 times for confirmation.

# LENNY-MD-092 4 ZONES control

## Smart LED control system

## Mobile phone pairing

The application allows us to create groups with different receivers. This will allow us to control several receivers at the same time: turn ON / OFF / change the color, etc.

Group name

All receiver list

Set Up Group — OK — Save

Received Sharing and gateway devices can not be grouped

Cocina

Mode Selection — RGB+Color Temperature — Indicate which type of LED strip we are controlling.

Please select grouping devices

Fullwat

Fullwat 2

Indicate which controllers you want to put in the same group.

Group List

cocina    ON

cocina    Change — Define led type:
RGB:182
- Monochrome
- Tunable white
- RGB
- RGB+white
- RGB+tunable white

Saturation:0

Device List

Fullwat
bfa977b6606727f0eb0b9u    ON

13:11    32%

Device List

teway
6727f0eb0b9u    ON    Edit    Delete

Modify Device Name

2.4G Gateway

Cancel    OK

Modify Device Name

Fullwat

Cancel    OK

Device List

Fullwat
bfa977b6606727f0eb0b9u    ON

Once we have linked our receiver we can change our device name. This is interesting if we are going to control it with Alexa, Google Assistant or Google Home.

To do so, we press and hold name of the device on the screen and move it to the left. We will see an "edit" and a "delete". Click on "Edit", change the name and "Ok".

# LENNY-MD-092 4 ZONES control
## Smart LED control system

## ALEXA linking

To control system with Alexa, a wifi gateway is required, either built into receiver or using LENNY-WIFOX1 gateway.

Install Alexa app and log in using your account.

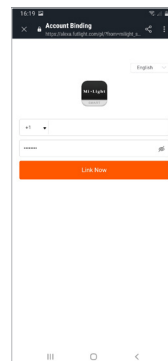We need to install Mi-Light Smart skill. To do so:
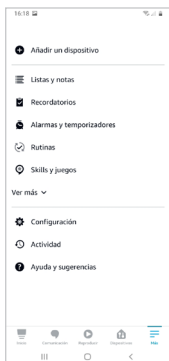
| Click on "more" and select "Skill and games". | In the search engine type "Mi-Light Smart" and click on this option. | We allow application using. | Log in with your MiBoxer data. | If everything is correctly done, we will see a message of successful linking |
|---|---|---|---|---|

Once reached step as above, Alexa will detect our receiver automatically and we will be able to change its name, include it in a group or control it by voice.

If receiver is not detected automatically , we can push "detect devices" via Alexa app function.

Now you can work with standard ALEXA managing.
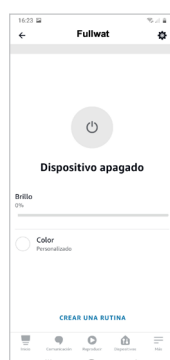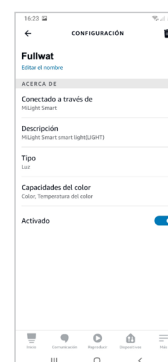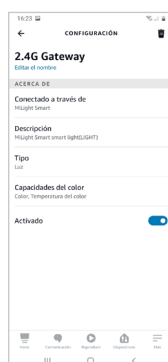
We can rename device to be able to control that device only instead the whole group, command Alexa to turn off/on the device, etc.

# LENNY-MD-092 4 ZONES control

## Smart LED control system
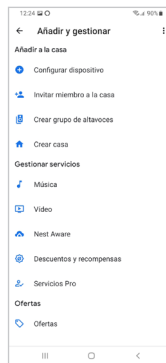
## GOOGLE HOME linking

To control system with Google Home, a wifi gateway is required, either built into the receiver or using LENNY-WIFOX1 gateway.

Install Google Home app and log in with your Google account. If you have not yet configured your home, you can do this now or later.
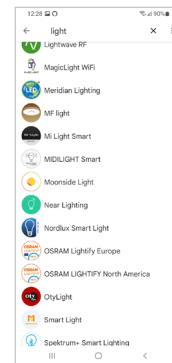
We need to install Mi-Light Smart skill. To do this:
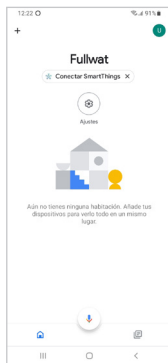


Click on "more".



Select "Configure device".



Look for the "Mi-Light Smart" application in the list of applications.
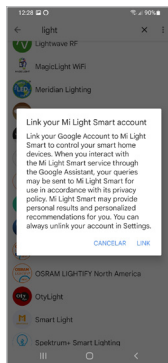


You may get a link warning message.
Click on "Link" to accept.



Log in with your MiBoxer data.



If we do it correctly, a successful linking message will appear.

Once we have reached this point, the linking is done.



On the main Google Home screen, our home will appear with our device.



We can rename device to make "name it" easier.
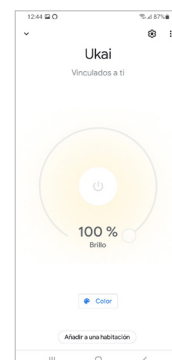


Clicking on the device icon, you are reaching another page where you can control the lights too.

# LENNY-MD-092 4 ZONES control

## Smart LED control system

## GOOGLE ASSISTANT linking
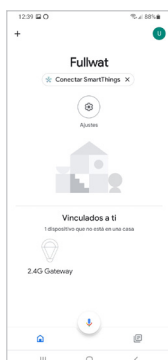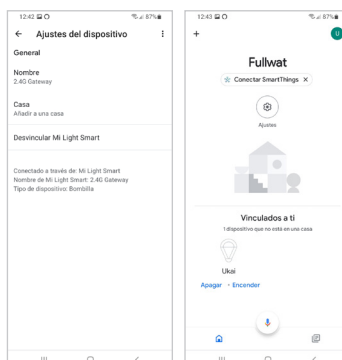
To control system with Google Assistant, a wifi gateway is required, either built into the receiver or using LENNY-WIFOX1 gateway.

And Install Google Assistant application via PlayStore on your phone:



We must configure it to recognize your voice. Then enter "settings" in the application and click on "Voice Match".

The application will ask you to repeat two phrases several times.

Once this is done, we will be able to "call" our device using "Ok Google". For example, "Ok Google turn on Fullwat" and LED strips connected to Fullwat receiver will light up properly.

# fullwat
### by Mi·Light

# LENNY-MD-092 4 ZONES control
## Smart LED control system

## Compatibility table

| | Single color | CCT | RGB | RGBW | RGBWW | "Mobile app Alexa Google Home" | Zones |
|---|---|---|---|---|---|---|---|
| **LENNY-DRV-LS2** **LENNY-DRV-LS2S** 5-in-1 standard receiver | LENNY-MD-085 | LENNY-MD-085 | | | | LENNY-WIFOX1 gateway is required | 1 |
| | LENNY-MD-086 | LENNY-MD-086 | LENNY-MD-086 | LENNY-MD-086 | LENNY-MD-086 | | 1 |
| | LENNY-MD-087 | | | | | | 1 |
| | LENNY-MD-088 | LENNY-MD-088 | LENNY-MD-088 | LENNY-MD-088 | LENNY-MD-088 | | 1 |
| | LENNY-PAN-B0 | LENNY-PAN-B0 | LENNY-PAN-B0 | LENNY-PAN-B0 | LENNY-PAN-B0 | | 1 |
| | LENNY-PAN-K1 | LENNY-PAN-K1 | | | | | 1 |
| | LENNY-MD-007 | LENNY-MD-007 | | | | | 4 |
| | LENNY-MD-092 | LENNY-MD-092 | LENNY-MD-092 | LENNY-MD-092 | LENNY-MD-092 | | 4 |
| | LENNY-PAN-B4 | LENNY-PAN-B4 | LENNY-PAN-B4 | LENNY-PAN-B4 | LENNY-PAN-B4 | | 4 |
| | LENNY-MD-089 | LENNY-MD-089 | LENNY-MD-089 | LENNY-MD-089 | LENNY-MD-089 | | 8 |
| | LENNY-PAN-B8 | LENNY-PAN-B8 | LENNY-PAN-B8 | LENNY-PAN-B8 | LENNY-PAN-B8 | | 8 |
| **LENNY-DRV-WL5** 5 in 1 wifi receiver | LENNY-MD-085 | LENNY-MD-085 | | | | included | 1 |
| | LENNY-MD-086 | LENNY-MD-086 | LENNY-MD-086 | LENNY-MD-086 | LENNY-MD-086 | | 1 |
| | LENNY-MD-087 | | | | | | 1 |
| | LENNY-MD-088 | LENNY-MD-088 | LENNY-MD-088 | LENNY-MD-088 | LENNY-MD-088 | | 1 |
| | LENNY-PAN-B0 | LENNY-PAN-B0 | LENNY-PAN-B0 | LENNY-PAN-B0 | LENNY-PAN-B0 | | 1 |
| | LENNY-PAN-K1 | LENNY-PAN-K1 | | | | | 1 |
| | LENNY-MD-007 | LENNY-MD-007 | | | | | 4 |
| | LENNY-MD-092 | LENNY-MD-092 | LENNY-MD-092 | LENNY-MD-092 | LENNY-MD-092 | | 4 |
| | LENNY-PAN-B4 | LENNY-PAN-B4 | LENNY-PAN-B4 | LENNY-PAN-B4 | LENNY-PAN-B4 | | 4 |
| | LENNY-MD-089 | LENNY-MD-089 | LENNY-MD-089 | LENNY-MD-089 | LENNY-MD-089 | | 8 |
| | LENNY-PAN-B8 | LENNY-PAN-B8 | LENNY-PAN-B8 | LENNY-PAN-B8 | LENNY-PAN-B8 | | 8 |
| **LENNY-DRV-WL2P** 2 in 1 receiver with wifi and push button | LENNY-MD-085 | LENNY-MD-085 | | | | included | 1 |
| | LENNY-MD-086 | LENNY-MD-086 | | | | | 1 |
| | LENNY-MD-087 | | | | | | 1 |
| | LENNY-MD-088 | LENNY-MD-088 | | | | | 1 |
| | LENNY-PAN-B0 | LENNY-PAN-B0 | | | | | 1 |
| | LENNY-PAN-K1 | LENNY-PAN-K1 | | | | | 1 |
| | LENNY-MD-007 | LENNY-MD-007 | | | | | 4 |
| | LENNY-MD-092 | LENNY-MD-092 | | | | | 4 |
| | LENNY-PAN-B4 | LENNY-PAN-B4 | | | | | 4 |
| | LENNY-MD-089 | LENNY-MD-089 | | | | | 8 |
| | LENNY-PAN-B8 | LENNY-PAN-B8 | | | | | 8 |
| **LENNY-TRIAC1** Driver TRIAC | LENNY-MD-085 | | | | | LENNY-WIFOX1 gateway is required | 1 |
| | LENNY-MD-086 | | | | | | 1 |
| | LENNY-MD-087 | | | | | | 1 |
| | LENNY-MD-088 | | | | | | 1 |
| | LENNY-PAN-B0 | | | | | | 1 |
| | LENNY-PAN-K1 | | | | | | 1 |
| | LENNY-MD-007 | | | | | | 4 |
| | LENNY-MD-092 | | | | | | 4 |
| | LENNY-PAN-B4 | | | | | | 4 |
| | LENNY-MD-089 | | | | | | 8 |
| | LENNY-PAN-B8 | | | | | | 8 |

# LENNY-MD-092 4 ZONES control

## Smart LED control system

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## Table of controls by zones

**1 ZONE**

LENNY-MD-085

LENNY-MD-086

LENNY-MD-087

LENNY-MD-088

LENNY-MD-B0

LENNY-PAN-K1

**4 ZONES**

LENNY-MD-007

LENNY-PAN-B4

LENNY-MD-092

**8 ZONES**

LENNY-MD-089

LENNY-PAN-B8