

# Dimaled 2,4 Ghz

— CONTROL - PWM Controller — 1 to 4 channels —

Radio control devices  
for 1 to 4-channel PWM  
systems



**2 YEARS**  
**IP20**

- Dedicated remote control and receiver
- From 1 to 4 areas
- Available for RGB and RGBW systems
- 2,4 Ghz radio control

# DimaLed 2,4 Ghz CONTROL - PWM Controller — 1 to 4 channels —



30000008



20500007 /  
20500008



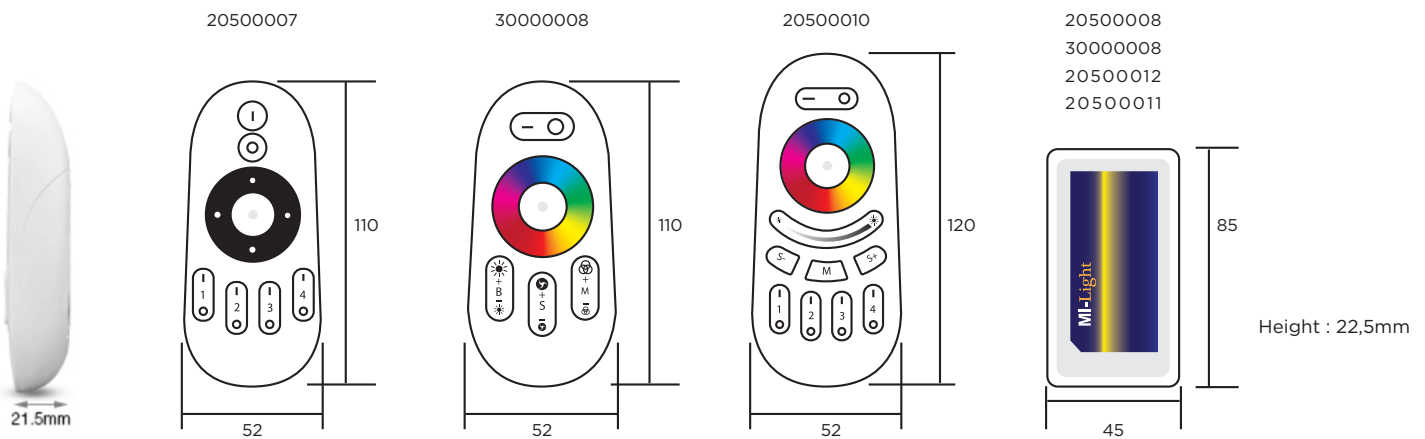
20500010 / 20500011 /  
20500012

## TECHNICAL DATA

Code	Designation	Dimensions (mm)	Operating voltage	Number of channels	Max intensity / channel (A)	Control mode
<b>DimaLed 2,4 Ghz 1-channel radio control:</b>						
20500007	DimaLed 2,4 remote control, 1 channel, 1 to 4 areas	110 x 52 x 21	2 x 1,5V AAA batteries	-	-	-
20500008	DimaLed 2,4 receiver, 1 channel, 1 to 4 areas	85 x 45 x 23	12-24 V/DC	1	2 x 5A	Remote control
<b>DimaLed 2,4 Ghz 3-channel radio control:</b>						
30000008	DimaLed 2,4 receiver and remote control, 3 channels, RGB, 1 area	110 x 52 x 21 85 x 45 x 23	2 x 1,5V AAA batteries 12-24 V/DC	- 3	- 3x3A	- Remote control
20500012	DimaLed 2,4 receiver, 3 channels, RGB, 4 areas	85 x 45 x 23	12-24 V/DC	3	3x3A	Remote control
<b>DimaLed 2,4 Ghz 4-channel radio control:</b>						
20500010	DimaLed 2,4 remote control, 4 channels, RGBW, 4 areas	120 x 52 x 20	2 x 1,5V AAA batteries	-	-	-
20500011	DimaLed 2,4 receiver, 4 channels, RGBW, 4 areas	85 x 45 x 23	12-24 V/DC	4	5A	Remote control

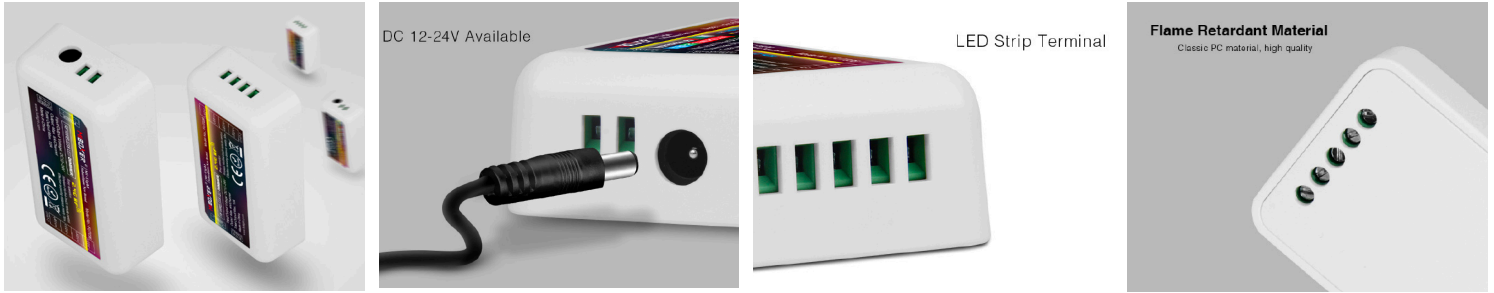
Remote control	Receiver
20500007	20500008
20500010	20500011 and 20500012

## DIMENSIONS

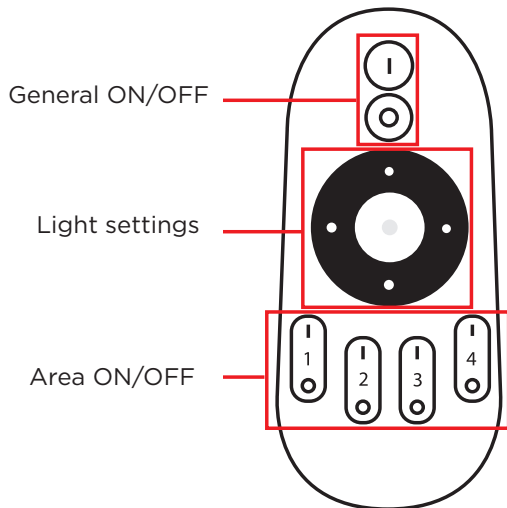


# DimaLed 2,4 Ghz CONTROL - PWM Controller — 1 to 4 channels

## CONNECTION DETAILS



## 20500007 - REMOTE CONTROL SETUP



To adjust all the controllers, press the general ON button then proceed to your light settings.

To adjust the controllers individually, press the area ON button then proceed to your light settings for the dedicated area.

### Night mode

To set the night mode, press and hold the OFF button. The controllers will turn to night mode with a lower consumption for the LED, limited to 0,4W. Press and hold the general OFF button for all the receivers, or the dedicated area button for a targeted monitoring.

The settings are saved when the device turns off and remain the same when it turns on again.

## 20500007 - PROGRAMMING

### Pairing:

For a new kit (remote control and receiver), the remote control only can work when it is synchronized to the controller. Please carefully follow the instructions below:

Make sure that the connection between the power supply, the LED controller and the LED charge is correct.

Turn off the controller's power supply, then turn it on and quickly press the ON button for the area to peer. The LEDs will flash slowly several times when the pairing is successful.

### Unpairing :

To unpair your kit (remote control and receiver), please carefully follow the instructions below:

Make sure that the connection between the power supply, the LED controller and the LED charge is correct.

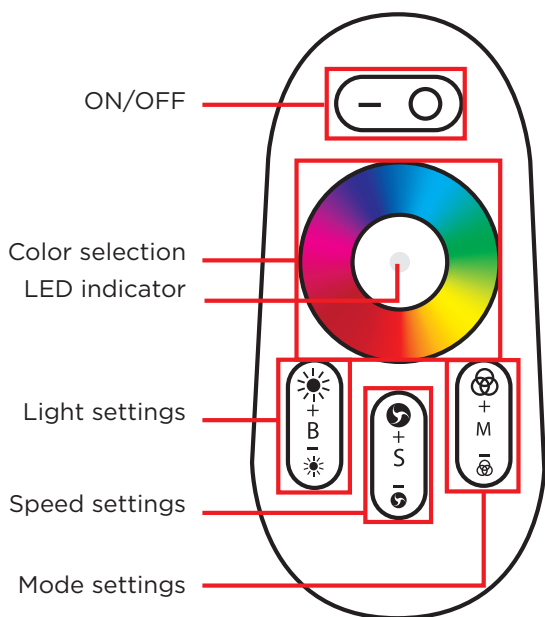
Turn off the controller's power supply, then turn it on and quickly press the area ON button 5 short and quick times. The LEDs will flash slowly several times when the device is unpaired.

### Caution :

A remote control can manage an infinite number of controllers but one controller can only be monitored by 4 remote controls (max.).

Check the remote control's battery capacity when setting your installation.

## 30000008 - REMOTE CONTROL SETUP



N°	Receiver - Dynamic mode	Light intensity	Speed
1	Static white	Adjustable	Non adjustable
2	Progressive change of white	Adjustable	Adjustable
3	Progressive change all colors	Adjustable	Adjustable
4	Progressive change of Red / Green / Blue	Adjustable	Adjustable
5	Direct change 7 colors	Adjustable	Adjustable
6	Direct change 3 colors	Adjustable	Adjustable
7	Direct change Red / Green	Adjustable	Adjustable
8	Direct change Red / Blue	Adjustable	Adjustable
9	Direct change Green / Blue	Adjustable	Adjustable
10	Regular flash of white	Adjustable	Adjustable
11	Sparkling of white	Adjustable	Adjustable
12	Regular flash of Red	Adjustable	Adjustable
13	Sparkling of Red	Adjustable	Adjustable
14	Regular flash of Green	Adjustable	Adjustable
15	Sparkling of Green	Adjustable	Adjustable
16	Regular flash of Blue	Adjustable	Adjustable
17	Sparkling of Blue	Adjustable	Adjustable
18	Regular flash of Yellow	Adjustable	Adjustable
19	Sparkling of Yellow	Adjustable	Adjustable
20	Movement mode		

## 30000008 - PROGRAMMING

### Pairing:

For a new kit (remote control and receiver), the remote control only can work when it is synchronized to the controller. Please carefully follow the instructions below:

Make sure that the connection between the power supply, the LED controller and the LED charge is correct.

Turn off the controller's power supply, then turn it on and quickly press the "Speed +" button. The LEDs will flash slowly several times when the pairing is successful.

### Unpairing :

To unpair your kit (remote control and receiver), please carefully follow the instructions below:

Make sure that the connection between the power supply, the LED controller and the LED charge is correct.

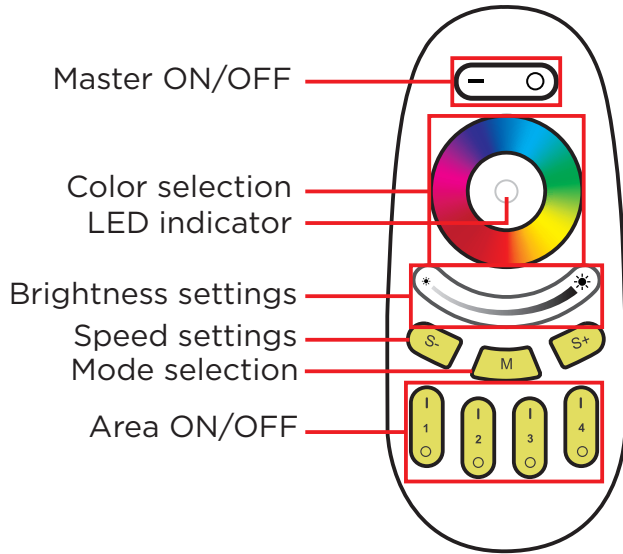
Turn off the controller's power supply, then turn it on and quickly press the "Speed +" button 5 short and quick times. The LEDs will flash slowly several times when the device is unpaired.

### Caution :

A remote control can manage an infinite number of controllers but one controller can only be monitored by 4 remote controls (max.).

Check the remote control's battery capacity when setting your installation.

## 20500010 - REMOTE CONTROL SETUP



To adjust all the controllers, press the general ON button then proceed to your light settings.

To adjust the controllers individually, press the area ON button then proceed to your light settings for the dedicated area.

### Night mode

To set the night mode, press and hold the OFF button.

Press and hold the general OFF button for all the receivers, or the dedicated area button for a targeted monitoring.

The settings are saved when the device turns off and remain the same when it turns on again.

## 20500010 - PROGRAMMING

### Pairing:

For a new kit (remote control and receiver), the remote control only can work when it is synchronized to the controller. Please carefully follow the instructions below:

Make sure that the connection between the power supply, the LED controller and the LED charge is correct.

Turn off the controller's power supply, then turn it on and quickly press the "Speed +" button. The LEDs will flash slowly three times when the pairing is successful.

### Unpairing :

To unpair your kit (remote control and receiver), please carefully follow the instructions below:

Make sure that the connection between the power supply, the LED controller and the LED charge is correct.

Turn off the controller's power supply, then turn it on and keep the "Speed +" button pressed for 3 seconds. The LEDs will flash quickly ten times when the device is unpaired.

### Caution :

A remote control can manage an infinite number of controllers but one controller can only be monitored by 4 remote controls (max.).

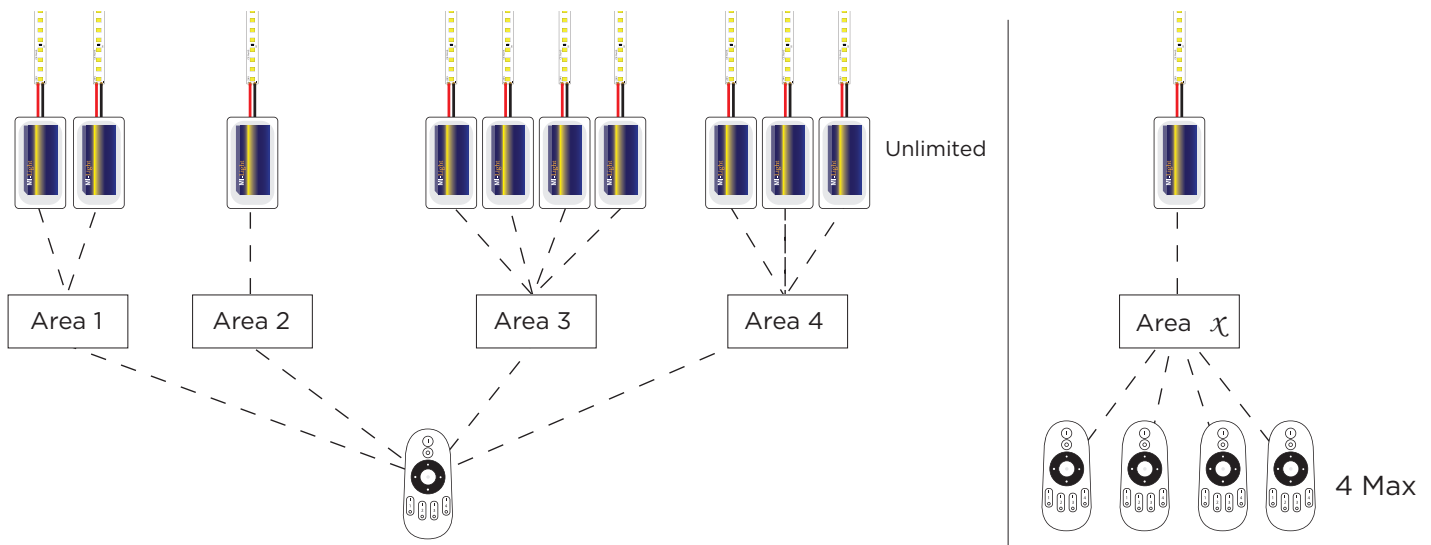
Check the remote control's battery capacity when setting your installation.

# DimaLed 2,4 Ghz CONTROL - PWM Controller — 1 to 4 channels —

## RECEIVER PROGRAMMING AND GROUPING

You can add an unlimited number of receivers per area. This way, you have a total freedom of creation and combination of different lighting groups.

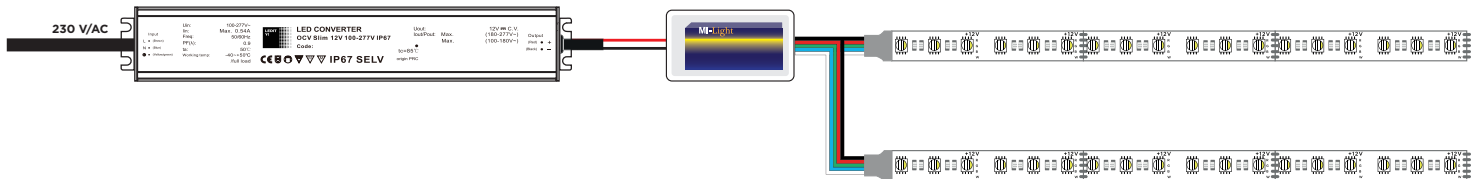
A receiver can connect up to 4 different remote controllers.



We recommend not to use rechargeable batteries for the remote control.

This is why we do not include common batteries according to our environmental concerns.

## WIRING DIAGRAM



# DimaLed 2,4 Ghz

## CONTROL - PWM Controller — 1 to 4 channels —

### THERMAL BEHAVIOUR

The temperature limits indicated below are expressed in °C, at full load, after 3h of operation conditions, with natural convection:

- ▶ Operation temperature Ta -30 °C to +50°C
- ▶ Storage temperature Ts -30°C to +80°C
- ▶ Max. temperature Tc +50°C

The life of the product will decrease when the maximum temperature limits are exceeded.

Operating for a continuous extended time at temperatures exceeding the maximum limits, the LED system can fail and our warranty will be void.

### NORMS & CERTIFICATES

- ▶ EN 62479:2010
- ▶ EN 61347-2-11:2001+A1:2019
- ▶ EN 61347-1:2015+A1:2018
- ▶ EN 55015:2013+A1:2015
- ▶ EN 61547:2009
- ▶ EN 61000-3-2:2014
- ▶ EN 61000-3-3:2013
- ▶ ETSI EN 301 489-1 v 2.2.3(2019-11)
- ▶ ETSI EN301 489-3 v2.1.1(2019-03)
- ▶ ETSI EN 300 440 v2.2.1(2018-07)

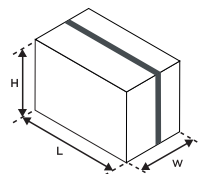


### INSTALLATION

- ▶ Always connect the LED products to the power supply while it is OFF. Only then you can connect the power supply to electricity and turn it ON.
- ▶ Check compatibility between LED, controller and driver voltage.
- ▶ Install LED on a clean work station connected to the earth. All LEDs are sensitive to static electricity (ESD).
- ▶ Limit the cable length between LED and power supply (voltage drop).

### PACKAGING

Type	SIZE L x W x H (cm)	SIZE L x W x H (ft)	Weight (kg)	Weight (lb)	Units
DimaLed 2,4 Ghz 1-channel and 4-channel remote control	57x28x30	1,9x0,9x1	13	28,7	200
DimaLed 2,4 Ghz 1-channel and 4-channel receiver	31x30x23	1x1x0,8	6,5	14,3	100
DimaLed 2,4 Ghz 3-channel receiver and remote control	73x29x30	2,4x0,9x1	13,5	29,8	100



(When the min and max values are not indicated, the tolerance range for optical and electrical data is ±15 %.)