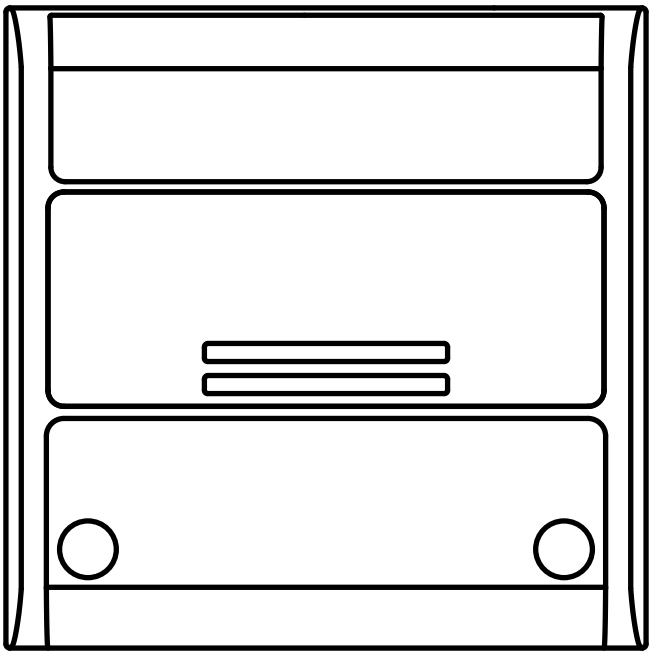
Plano-V5-RGBW-BT



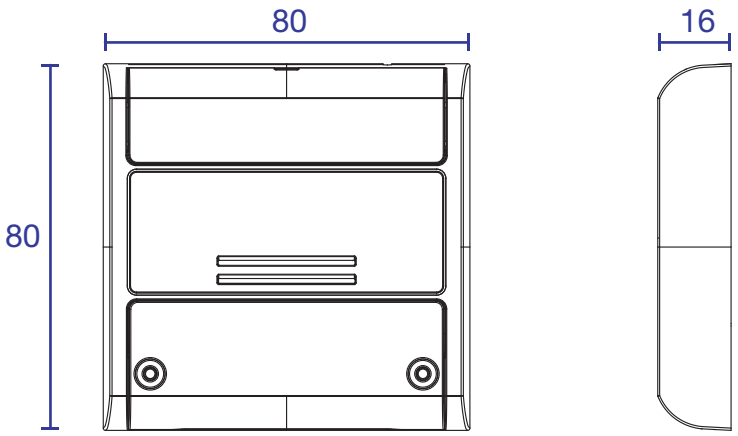
Control unit with dimmer function for RGB or RGBW LEDs with voltage.
Power supply 12-24 VDC, 4 outputs, Max 3 A per output and max 5A in total.
RX radio 433.92 MHz for transmitters and BT connection for app “OneBlue”

INDEX

1 - PRODUCT FEATURES

1.1 TECHNICAL DATA

	Plano-V5-4CH-BT
Power supply (Input)	12 - 24 Vdc
Type of load (Output)	RGB or RGBW LEDs with voltage
Maximum power of load (Output)	Max 3 A per output and max 5A in total
N° of programmable transmitters	20
Receiver RF frequency	433.920MHz
BT module frequency	2.45GHz
Protection rating	IP20
Operating temperature	-20° +55°
Carter dimensions	80 X 80 h16 mm

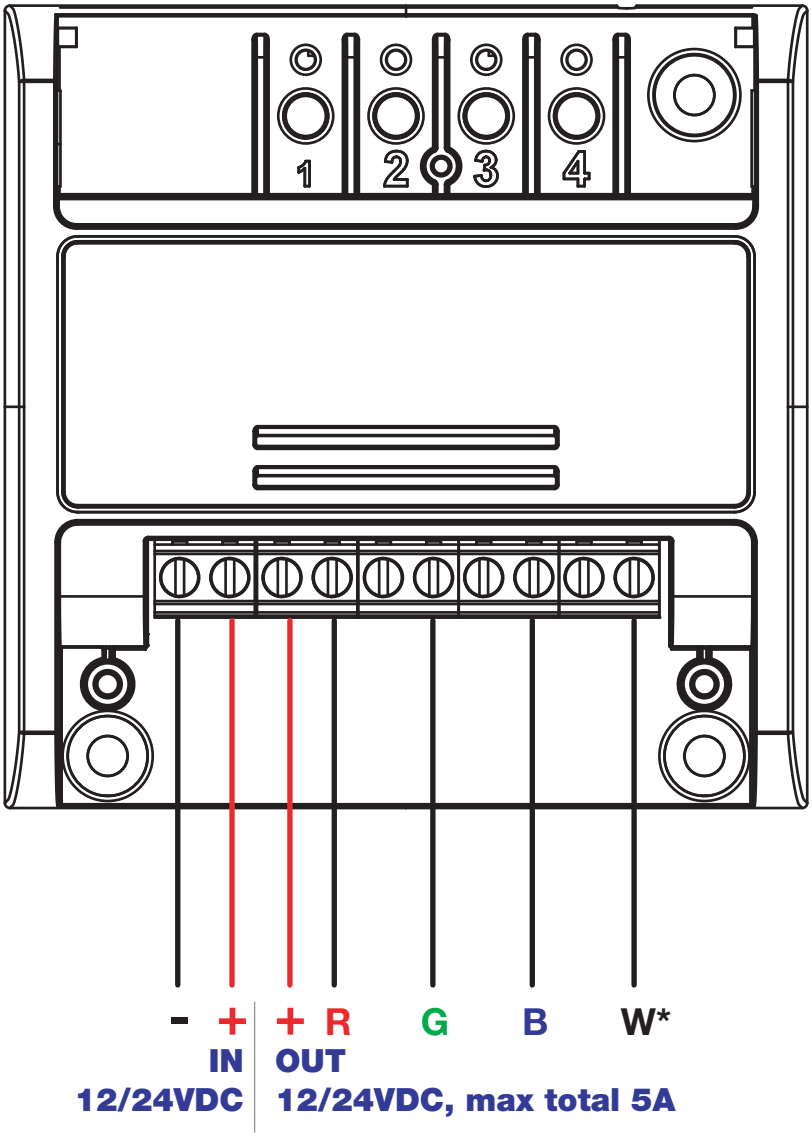


2 - ELECTRICAL CONNECTIONS

WARNINGS

- Installation must be carried out only by qualified technicians in compliance with the electrical and safety standards in force.
- All connections must be made with the power turned off.
- Use suitable cables.
- Do not cut through the aerial
- Disposal of waste materials must fully respect local standards.

CONNECTION DIAGRAM



ATTENTION:

- Connect max 3 A per output and max 5A in total
- * if you connect RGBW led is necessary to make the procedure at paragraph 6.1

3 - USE OF THE CONTROL UNIT

TYPICAL SYSTEM

The system can be control by a transmitters or BT application.
The system may operate only with transmitters or only application.

4.1 USE VIA RADIO

To control the loads via radio you must have compatible transmitters and therefore must carry out the association procedure, see paragraph 4.
The transmitter's control modes depend on the transmitter model used.

4.2 USE VIA BT APP

To control the loads via application, you must the carry out the association procedure, see paragraph 5.

4 - TRANSMITTERS MANAGEMENT

4.1 - TRANSMITTERS PROGRAMMING

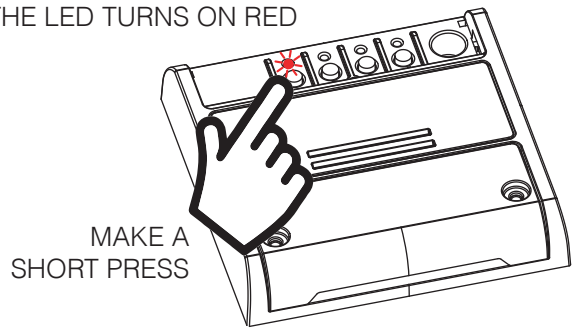
This procedure lets you programme compatible multifunctional or generic transmitters.

MULTIFUNCTIONAL TRANSMITTERS
CODES:
HB70-SLCT, HB70-SPCT,
HB80-1C, HB80-1DIM, HB80-2L, HB80-30D, HB80-30RGBW, HB80-4C, HB80-4DIM, HB80-4L,
HB90-6LT,
ROUND-1SP,
SENSA-M, SENSA-P, SENSA-R35M, SENSA-R35P, SENSA-R35T, SENSA-T,
TOUCH-1, TOUCH-1CCT, TOUCH-1DIM, TOUCH-1SP, TOUCH-1L , TOUCH-1RGBW, TOUCH-3C, TOUCH-4DIM,
TOUCH-CFU
With multifunctional transmitters the transmitter control modes depend on the model used.
Refer to the transmitter manual, to the paragraph entitled “commands sent by the transmitter”, bearing in mind that it is an “rgb/w” device.

GENERIC TRANSMITTERS (WIRELESS BUS)
CODES:
HB80-6G,
MCU-TX4,
TOUCH-1G, TOUCH-2G, TOUCH-4G, TOUCH-LOCK4, TOUCH-TX2,
ROUND-1G
With generic transmitters, the transmitter’s control modes are:
SHORT PRESS: On/Off
LONG PRESS, LIGHT ON: dimmer Up/Down
LONG PRESS, LIGHT OFF: change color

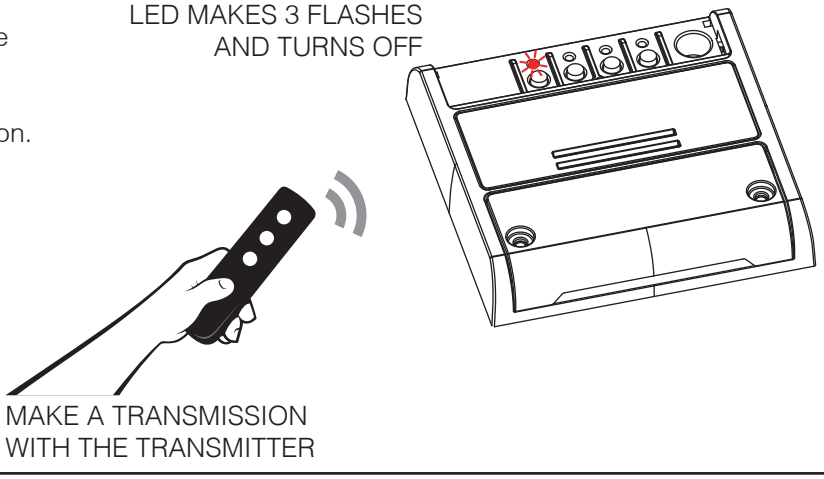
STEP 1
Press the button related to the output which the transmitter wants to be programmed.
The led turns on.

Note: the example on the picture show how to program a transmitter on the output 1



STEP 2
Within 60 seconds make a transmission with the transmitter to be saved.
See transmitter manual, the paragraph entitled “transmitter programming” for specify information.

The led makes 3 flashes and turns off.



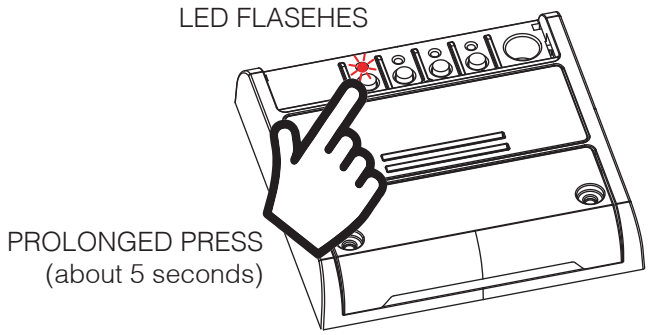
4.2 - DELETION OF TRANSMITTERS

These procedures let you delete from the memory transmitters that have already been programmed.

STEP 1

Hold the button related to the output which you want to delete the transmitter down (about 8 seconds.) until the LED begins to flash.

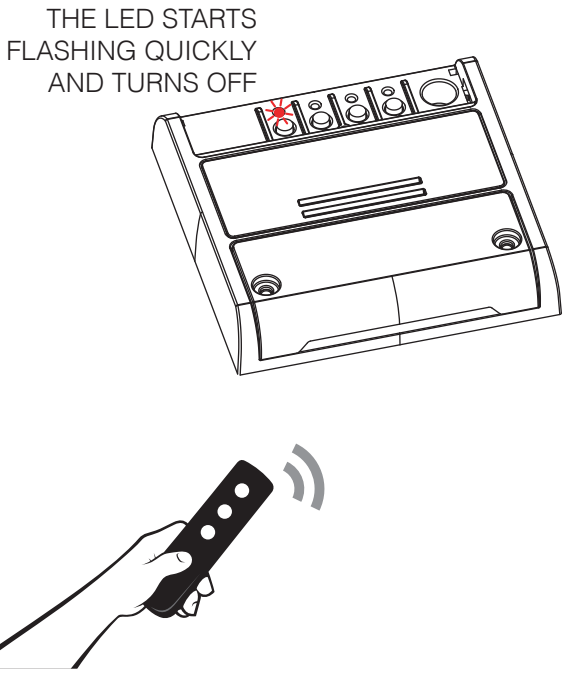
note: the example on the picture show how to program a transmitter on the output 1



DELETION OF SINGLE TRANSMITTER

STEP 2a

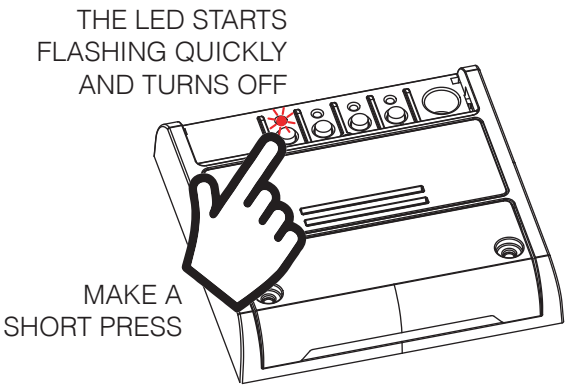
Within 10 seconds make a transmission with the transmitter that you want to delete.
The LED flashes quickly and turns off.



DELETION OF ALL TRANSMITTER SAVED

STEP 2B

Within 10 seconds press the button on the receiver for a short time to confirm the delection of all transmitters.
The LED starts flashing quickly and turns off.



5 - MANAGEMENT WITH “ONEBLUE” APP

To control the loads via application, you must the carry out the following procedure:

STEP 1

Using the store of your mobile phone, download the “One Blue” application

ANDROID APP ON Google play

Download on the App Store

STEP 2

BEFORE PROCEED MAKING SURE:
- have the control unit powered
- have activated BT on your mobile phone

Start the application and press the ‘search’ icon.
A list will appear with the available device(s)

STEP 3

Select the desired device and follow the directions in the application for use.
The device settings menu allows you to customize names and passwords.

6 - ADVANCED PROGRAMMING

6.1 - SELECTION OF TYPE OF LOAD CONNECTED

Default: RGB mode
This procedure is used to set up the type of control of load.
The three types are:
1 - RGB: in this case to create white light the control unit will use the three output channels “R”, “G” and “B”
2 - RGBW modo 1: in this case to create white light the control unit will use the output channel “W”
3 - RGBW modo 2: in this case to create white light the control unit will use the output channel “W” and the three output channels “R”, “G” and “B”. This is to obtain the maximum available light.

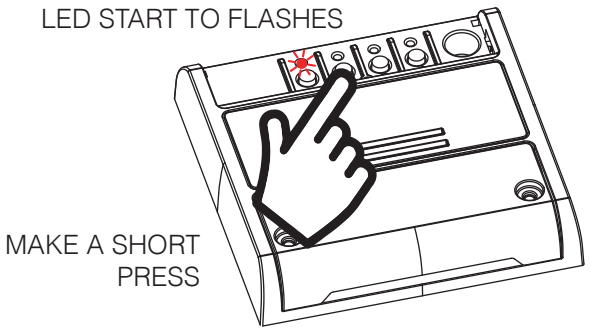
PROCEDURE

STEP 1
With a paper clip makes a short press of the “hidden” button.

The led turns on.

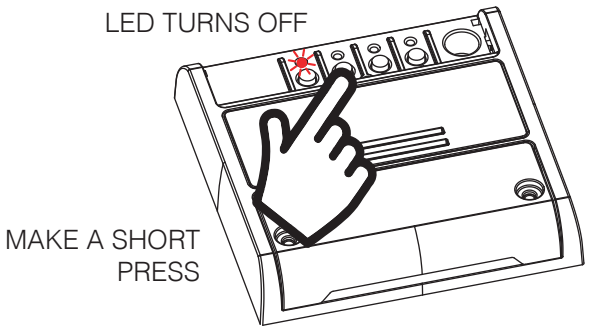
STEP 2
Press the button on the receiver for a short time count the number of flashes emitted by the LED:

FLASHES	TYPE OF LOAD
1	RGB
2	RGBW mode 1
3	RGBW mode 2



STEP 3
Press the button for a short time during the flash that corresponds to the function desired to end the count.

The led turns off.



6.2 - SETTING THE TIMED ON

This process is used to set the time for which the Leds stays on before an automatic switch off.
NOTE: don't use this process with the controller already has a procedure to setting the automatic switch off of the light.

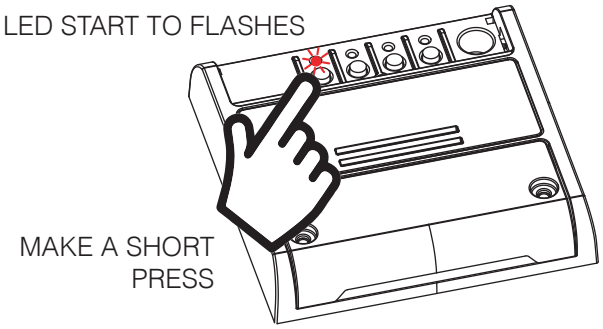
PROCEDURE

STEP 1
With a paper clip makes a short press of the "hidden" button.

The led turns on.

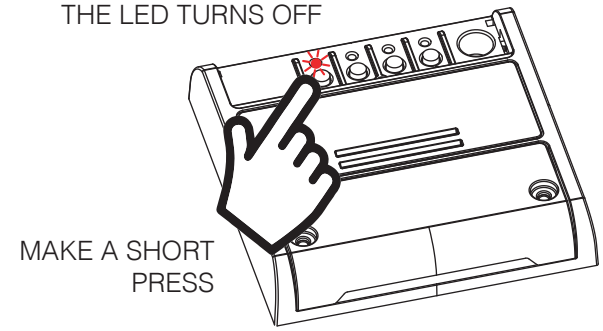
STEP 2
Press the button on the receiver for a short time count the number of flashes emitted by the LED:

FLASHES	TIMED ON
1	1 minute
2	3 minutes
3	5 minutes
4	15 minutes
5	30 minutes
6	1 hour
7	18 hours
8	No timed on



STEP 3
Press the button for a short time during the flash that corresponds to the function desired to end the count.

The led turns off.



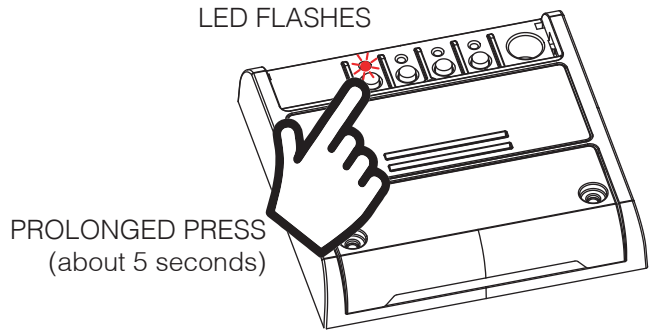
6.3 - RESET OF THE CONTROL UNIT

This procedure let you take the control unit back to factory settings.
NOTE: even stored transmitters will be deleted

PROCEDURE

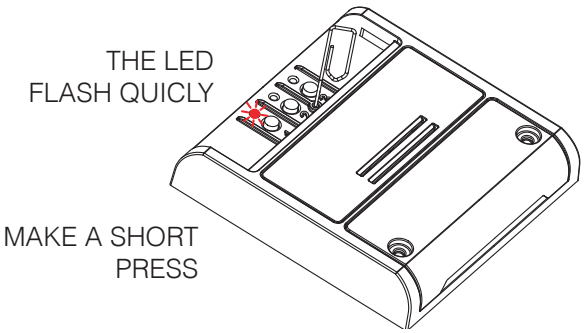
STEP1

Hold the receiver button down (about 5 seconds.) until the LED begins to flash.



STEP2

Within 10 seconds, make a short press of "hidden" button.
The LED 1 flashes quickly and turns off.



MNLPLN-V5-RGBW-BT-ENV1.0

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