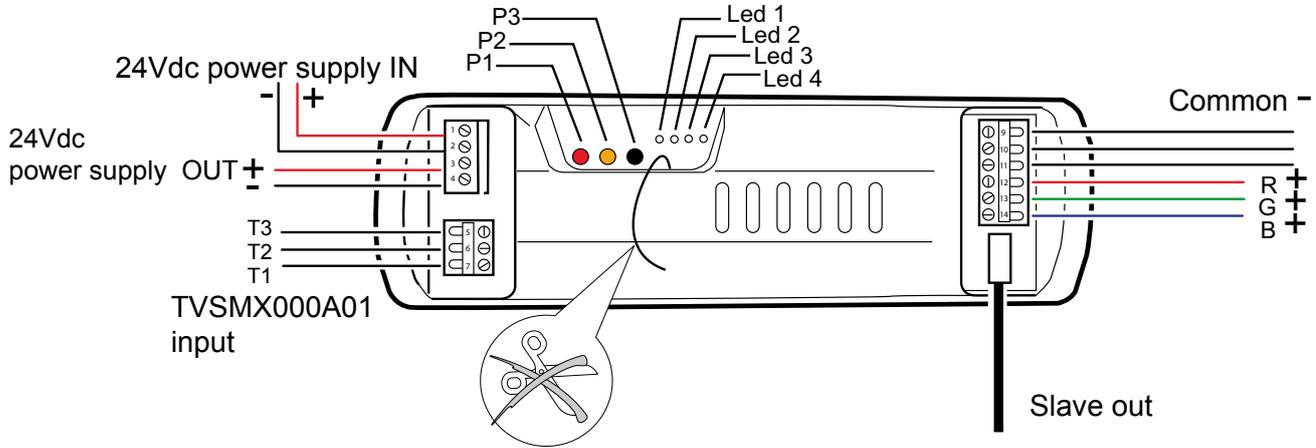


RADIO RECEIVER RGB CONTROLLING LED COMMON KATHODE

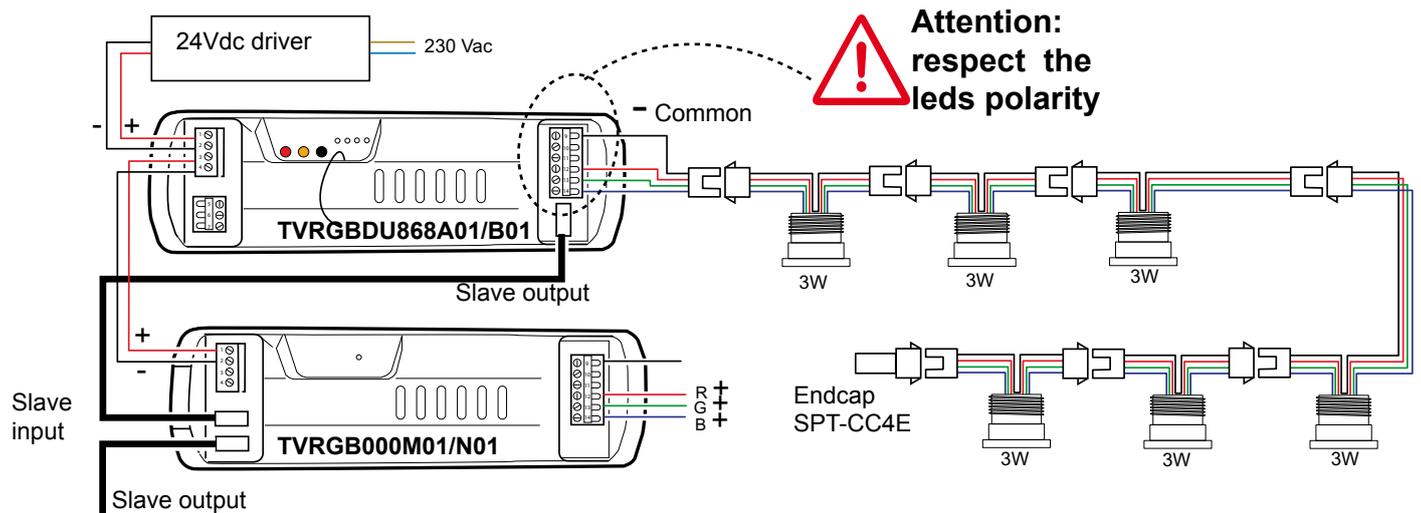
Product code:

TVRGBDMX868A01 Master receiver 350mA
TVRGBDMX868B01 Master receiver 700mA

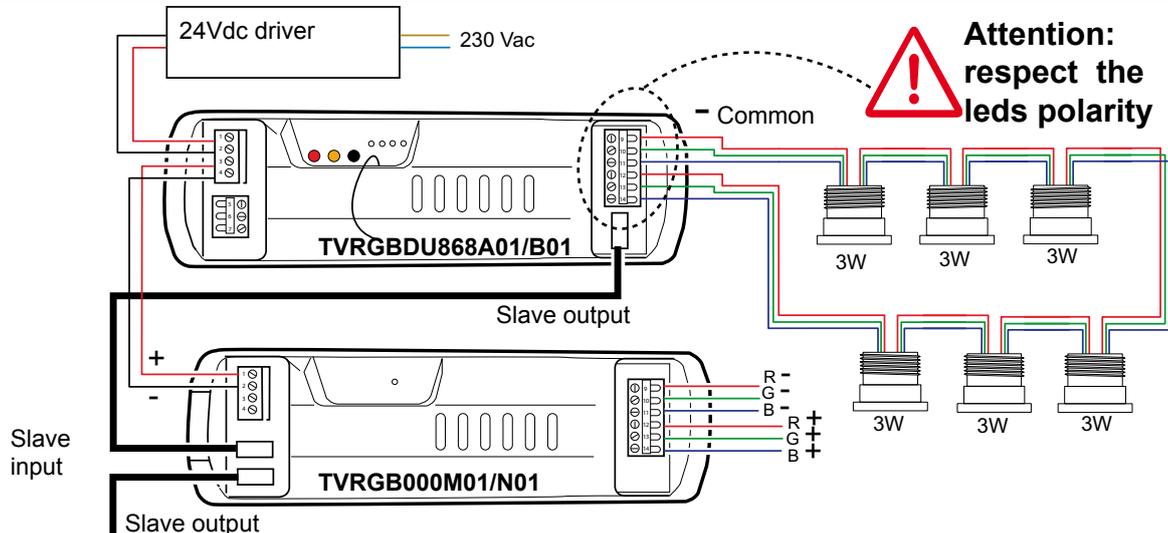
TVRGB000M01 Slave receiver 350mA
TVRGB000N01 Slave receiver 700mA



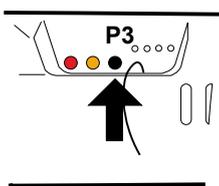
1 - 4 wire led wiring



1.1 - 6 wire led wiring

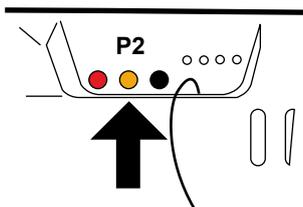


2 - Wiring Test



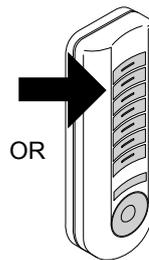
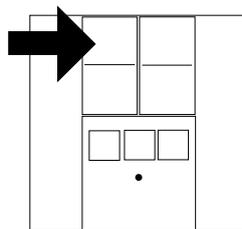
To test the LED outputs functioning press the push-button **P3**, the light turns on with a warm white colour.
Do not hold the push button for more than 10 seconds.

3 - Memorisation of 7-channel transmitters with On/Off/Dimmer Colour function



1 time and hold down

1- Press the push button **P2 once and hold** it down, the buzzer will make a beep and then sound continuously.



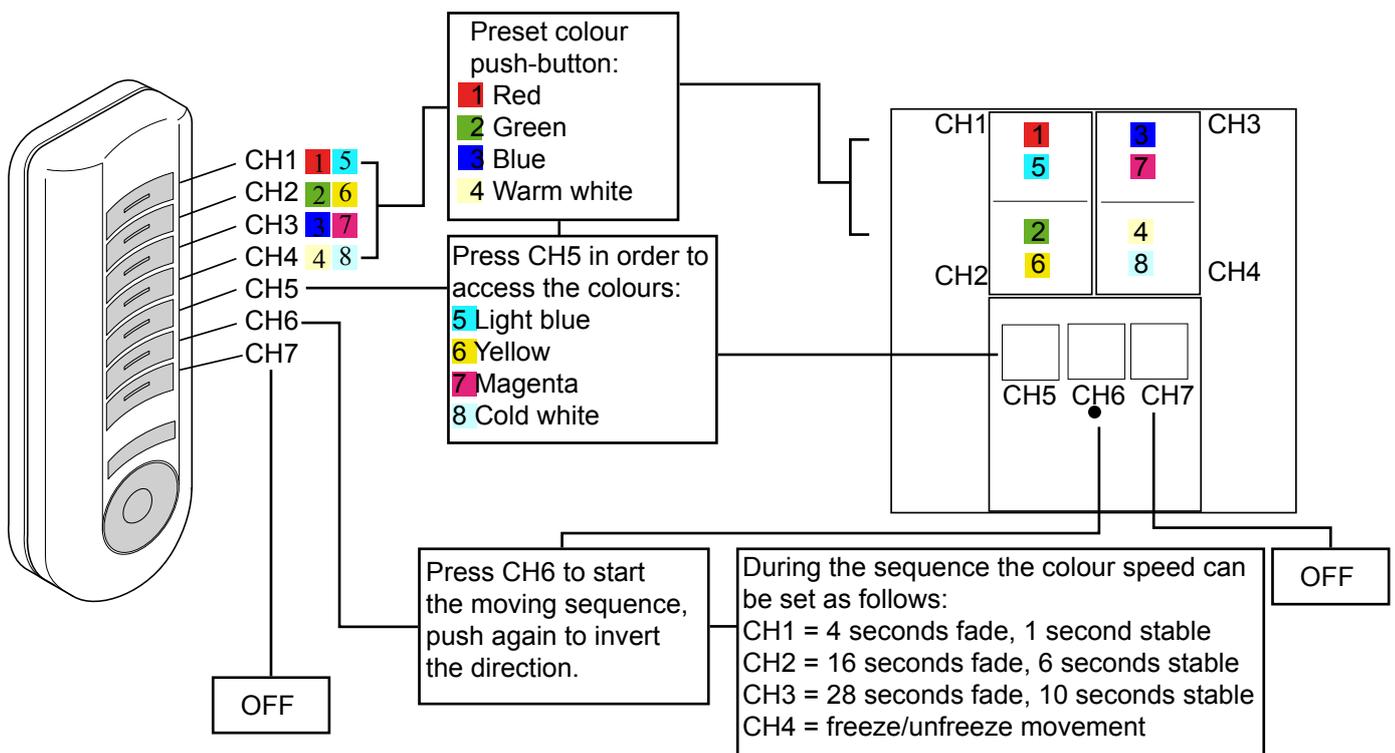
OR

Function available only for 7 or 42 channels transmitter

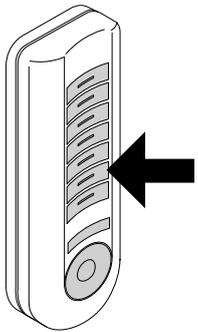
2- During the sound press one push button, of the 7-channel transmitter which has to be memorised, the memorization is indicated by the intermittently sound of the buzzer.

All the push-buttons of the transmitter are automatically memorized.

3.1 - Functioning:

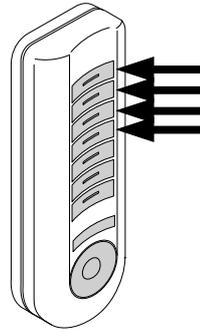
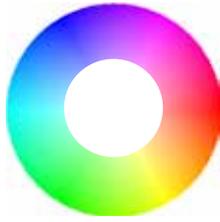


3.2 - How to change the pre-programmed colours in the 8 (4+4) push buttons on the transmitter



Press for more than 4 seconds the push-button CH6

choose colour



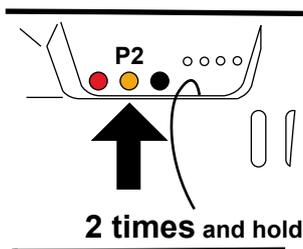
press for more than 3 seconds the push-button of the colour that you want to change

1- Press and hold down the automatic cycle push button Ch6 for more than 4 sec., the light will turn off and return on once and a second time after 4 sec. which indicates that you have entered the new colour memorization mode.

2- After you have entered the mode, the colour variation will start with a speed of 4 sec. between a colour and the next one and a pause of 1 sec. at each colour, by pressing again the push button CH6 it is possible to change immediately the rotation direction. In order to memorise the new light value, press for 3 sec. the push button to be modified, the light will turn off and return on for confirmation, afterwards you will turn back to the automatic cycle mode. If you want to leave the mode, press the turning-off push button Ch7.

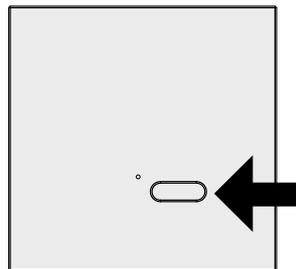
4 - Memorisation of one transmitter push-button with Select Colour function

The colour changes at each impulse between the 8 pre-programmed colours. To turn off the colour, press the push button for more than 2 sec. At each turning-on will restart the colour that has been previously selected.



2 times and hold down

1- Press the push button **P2 twice and hold** it down, the buzzer will make a beep each time and then sound continuously.

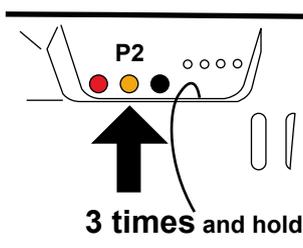


2- During the sound press the push-button which has to be memorised; the memorization is indicated by the intermittenly sound of the buzzer.

Function available for all type of transmitters

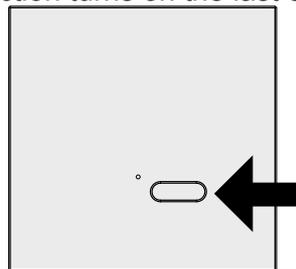
5 - Memorisation of one transmitter push-button with ON function

The push-button memorised with On function turns on the last colour.



3 times and hold down

1- Press the push button **P2 three times and hold** it down, the buzzer will make a beep each time and then sound continuously.

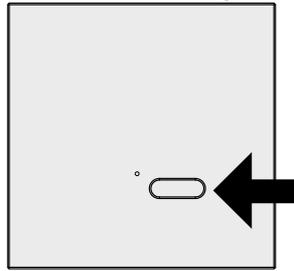
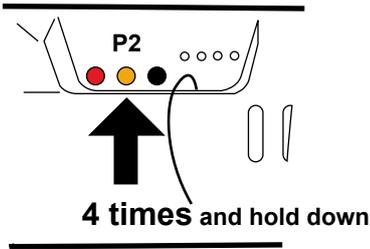


2- During the sound press the push-button which has to be memorised with ON function; the memorization is indicated by the intermittenly sound of the buzzer.

Function available for all type of transmitters

6 - Memorisation of one transmitter push-button with OFF function

The push-button memorised with Off function turns off the light.



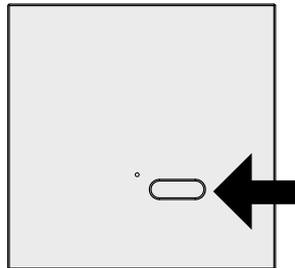
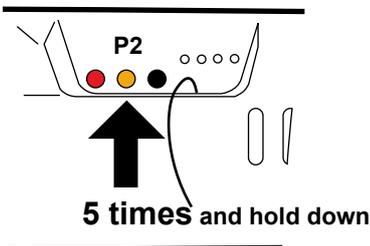
Function available for all type of transmitters

1- Press the push button **P2 four times and hold** it down, the buzzer will make a beep each time and then sound continuously.

2- During the sound press the push-button which has to be memorised; the memorization is indicated by the intermittently sound of the buzzer.

7 - Memorisation of one transmitter push-button with warm white On/Off/Dim function

With short impulses (<300 ms.) turn the light on and off, by holding it pressed increase or decrease the intensity.



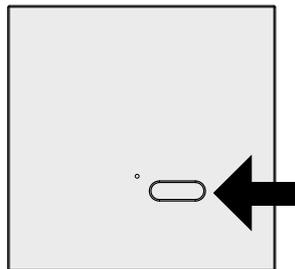
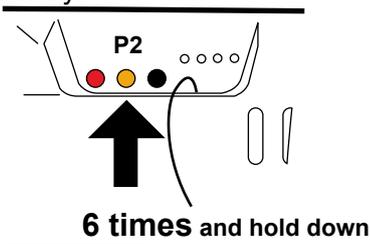
Function available for all type of transmitters

1- Press the push button **P2 five times and hold** it down, the buzzer will make a beep each time and then sound continuously.

2- During the sound press the push-button which has to be memorised; the memorization is indicated by the intermittently sound of the buzzer.

8 - To memorise one transmitter push-button with cold white On/Off/Dim function

With short impulses (<300 ms.) turn the light on and off, by holding it pressed, increase or decrease the intensity.



Function available for all type of transmitters

1- Press the push button **P2 six times and hold** it down, the buzzer will make a beep each time and then sound continuously.

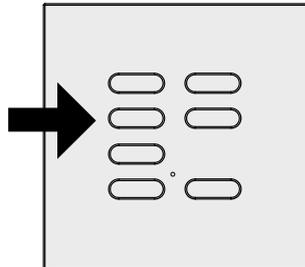
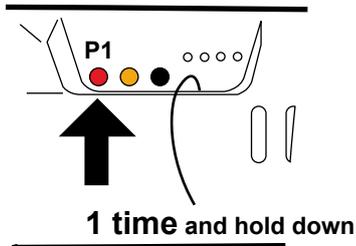
2- During the sound press the push-button which has to be memorised; the memorization is indicated by the intermittently sound of the buzzer.

9 - Memorisation of 4-, 7- and 42-channel transmitters with SCENE function

The memorised transmitter displays the programmed scene:

- Pushbutton Ch1: Start colour scene 1
- Pushbutton Ch2: Start colour scene 2
- Pushbutton Ch3: Start colour scene 3
- Pushbutton Ch4: Start colour scene 4

In order to turn the current scene off press one of the push buttons CH1,CH2, CH3 or CH4 for more than 2 seconds; for the 7 channel transmitters it is possible to turn the sequence off by pressing the push button CH7. The colours sequences must be memorised before the displaying by using an USB transmitter (TVTXQ868U07).



Function available for all type of transmitters

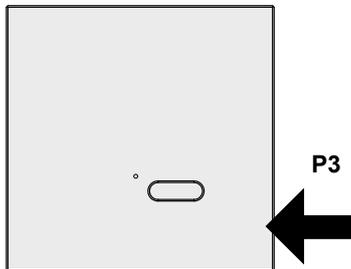
1- Press the push button **P1 once and hold** it down, the buzzer will make a beep each time and then sound continuously.

2- During the sound press the push button of the transmitter which has to be memorised, the memorization is indicated by the intermittently sound of the buzzer. All the 4 push-buttons of the transmitter are automatically memorized.

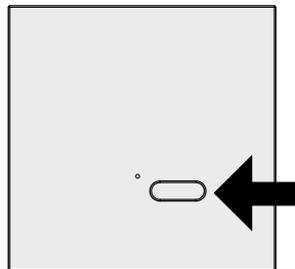


In the 7 and 42 channels transmitter, the push buttons CH5 and CH6 are disabled.

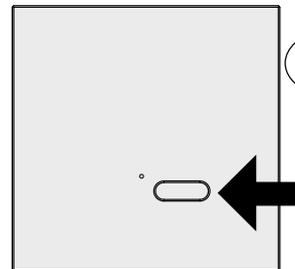
10 - To copy a function of transmitter push-button to a new transmitter



1- Press the button **P3** located inside the **already memorized transmitter**. The enabled receiver sound continuously.



2- Within 5 seconds press a push-button of the **already memorized transmitter** from which the function has to be copied. The buzzer will interrupt the sound for 1 sec., and then carry on for 5 seconds.



3- During the sound press the push-button of the **new transmitter** which has to be memorised; the memorization is indicated by the intermittently sound of the buzzer.

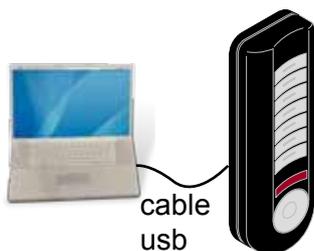
Function available for all type of transmitters

11 - Receiver management via PC using series TVTXQ868U07 transmitters.

Remote control dedicated exclusively to scene management using RGBPC software



See software manuals



- 1- Connect the USB transmitter to the PC.
- 2- Open the RGBPC management software.
- 3- Insert the receiver's serial number into the relevant field.
- 4- Program the scenes.
- 5- Disconnect the remote control from the PC.



- It is possible to send scenes with the USB transmitter connected to the PC if you are in the vicinity of the installation (see software manual RGBPC).
- It is possible to send scenes with the transmitter disconnected.

Each one of the 7 buttons on the USB transmitter corresponds to a serial number and therefore to a receiver



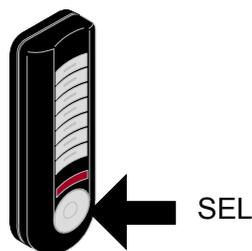
Receiver: 00001 - Scene: 1 

.....

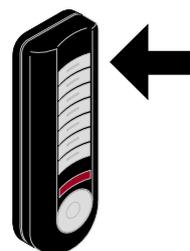
Receiver: 00007 - Scene: 1 

2  3  4 

2  3  4 



- 6- Switch on the transmitter by pressing the SEL button.



- 7- Press the button that corresponds to the receiver to which you wish to send the scenes. The Led on the transmitter will flash rapidly while data is being sent and after the transmission has ended it will flash slowly twice.

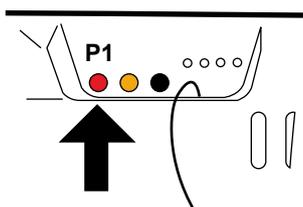
(If the Led only flashes twice it means that there is no data available to send)

- 8- The Leds connected to the receiver to which you are transmitting the data will glow yellow during transmission and then glow green if the transmission has been successful or red if errors have been detected (in this case repeat the transmission).

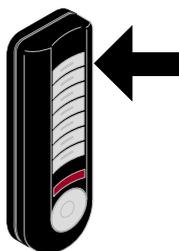
11.1 - Memorize a transmitter button in 7 USB channels.

Note. Only when you do not know the receiver's serial number:

- Carry out the scene memorization procedure from points 1 to 5 in the preceding paragraph inserting a casual number to be associated with a button on the remote control.
- Memorize the remote control's programmed button in the receiver following points 1 and 2 as laid out below.
- After memorizing the user can send the scenes stored in the remote control by simply pressing the memorized button.



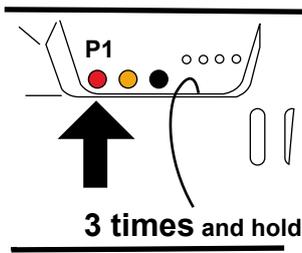
2 times and hold down



- 1- Press the push button **P1 twice and hold** it down, the buzzer will make a beep each time and then sound continuously.

- 2- During the sound press the push-button which has to be memorised; the memorisation is indicated by the intermittently sound of the buzzer.

11.2 - To delete a push-button of 7-channels USB transmitter

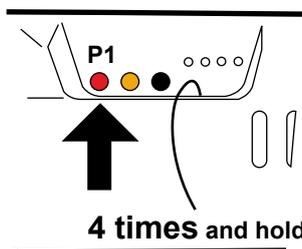


The push-buttons of the transmitter programmed via PC with the USB serial number of the receiver can not be deleted.

1- Press the push button **P1 three time and hold** it down, the buzzer will make a beep each time and then sound slowly and intermittently.

2- During the sound press the push-button which has to be deleted; the deletion is indicated by the continuously sound of the buzzer.

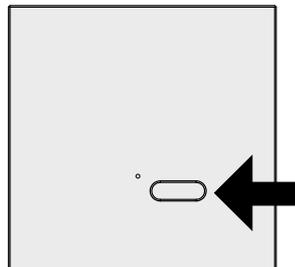
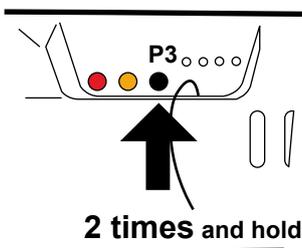
11.3 - To delete all 7-channels USB transmitter



The push-buttons of the transmitter programmed via PC with the USB serial number of the receiver can not be deleted.

1- Press the push button **P1 four time and hold** it down, the buzzer will make a beep each time and then sound quickly and intermittently.
2- Hold down the push button for 10 sec., after this 10 sec. the buzzer will sound continuously by indicating that the whole memory has been cancelled.

12 - To delete a transmitter

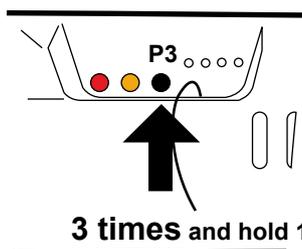


With this procedure the USB transmitter does not be deleted.

1- Press the push button **P3 two time and hold** it down, the buzzer will make a beep each time and then sound slowly and intermittently.

2- During the sound press the push-button which has to be deleted; the deletion is indicated by the continuously sound of the buzzer.

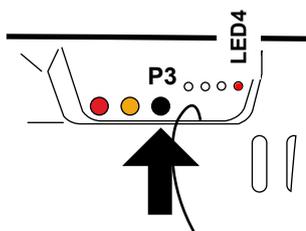
12.1 - To delete all transmitter



With this procedure the USB transmitter does not be deleted.

1- Press the push button **P3 three time and hold** it down, the buzzer will make a beep each time and then sound quickly and intermittently.
2- Hold down the push button for 10 sec., after this 10 sec. the buzzer will sound continuously by indicating that the whole memory has been cancelled.

13 - Memory activation/ deactivation of the last value of light intensity

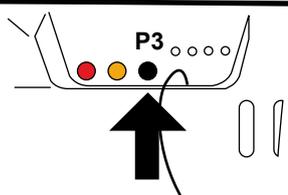


- 1- Push the push button **P3 four times and hold** it down for 10 seconds.
- 2- After these 10 seconds:
 - the light will flash 2 times and led 4 turn on if the function will be activated;
 - the light will flash 3 times and led 4 turn off if the function will be deactivated.

4 times and hold 10s

14 - Colour settings reset

This procedure will restore the default color settings



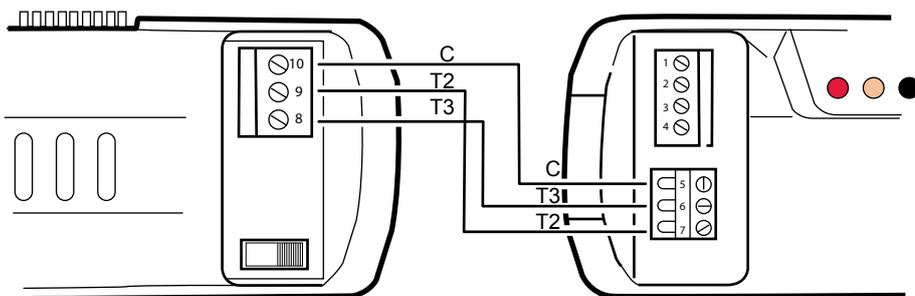
1 time and hold 10s

Push the push-button **P3 once and hold** it down for 10 seconds. The light turns on with a warm white colour and after 10 sec. it will flash once. The light will turn off at the release of the push button.



With this procedure the transmitter does not be deleted

15 - TVSMX000A01 slave input



Commands coming from the slave DMX/DALI TVSMX000A01 receiver always have priority over the commands given by the transmitter.

Warning



Connect the power supplier and the LED RGB in a correct way to the receiver before connecting the power supplier to the electricity network.
A faulty connection of the LED diodes (polarity inversion) could damages them, therefore pay attention during their connection by respecting the polarity. The general power supply of the device has to be by a power supplier which can supply the power and tension needed.
At the power-on-reset the condition previous the turning-off will be resumed.
The product must not be enclosed or placed with insulating material such as glass wool, polystyrene or similar materials. Let the housing to be well-ventilated.

TECHNICAL SPECIFICATIONS

	TVRGBDMX868Ax	TVRGBDMX868Bx		
	TVRGB000M01	TVRGB000N01		
-Power supply	24 Vdc, 25W	24Vdc, 50W	-Reception frequency	868.3 MHz
-Current on the RGB outputs	350 mA	700 mA	-Intermediate frequency IF	10.7 MHz
-Max. power for each output	8.4 W +/-5%	16.5 W +/-5%	-Sensibility (finely tuned signal)	1 µV
-N° LED connectable for each out	1/7	1/7	-Operating temperature range	-20° - +60°C
-Cable sections in input and output	1,5 mm ²	1,5 mm ²		
			- Possibility to memorise up to 42 standard transmitters.	
			- Possibility to memorise up to 8 USB transmitters.	

The quantity of LEDs that can be connected is referred to LEDs with voltage drop of 3,0 ÷ 3,4V. For connections of LEDs with 3,5 ÷ 4,0 V voltage drop, it is possible to connect up to 6 LEDs otherwise the brightness power can be reduced.