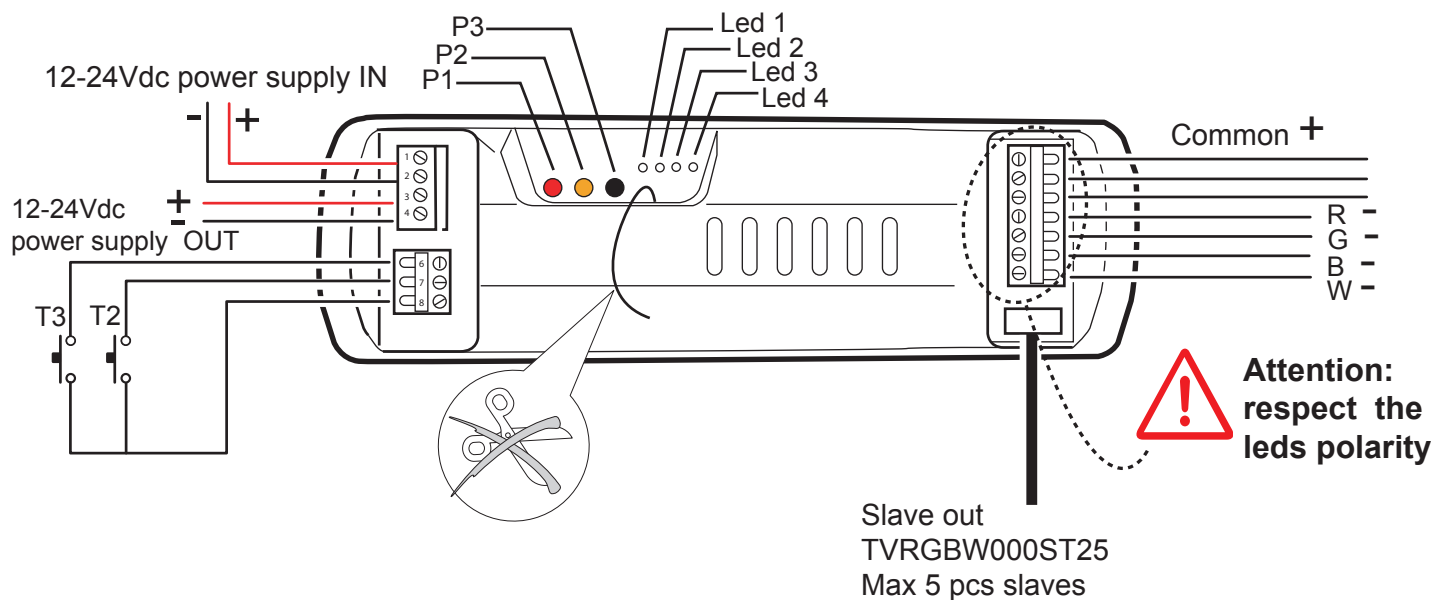


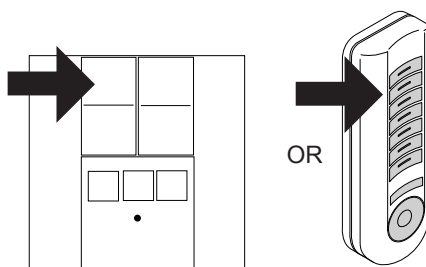
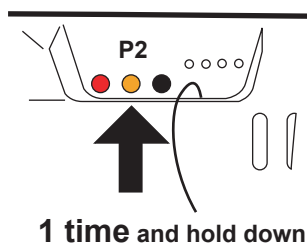
RADIO RECEIVER RGBW CONTROLLING LED STRIP COMMON ANODE

Product code:

TVSRGBWU868ST25 4 output, 2.5A Master receiver. Receiver for the control of 12-24Vdc LED strip common anode with white and RGB independent control.



1 - Memorisation of 7-channel transmitters with On/Off/Dimmer Colour function for RGB outputs



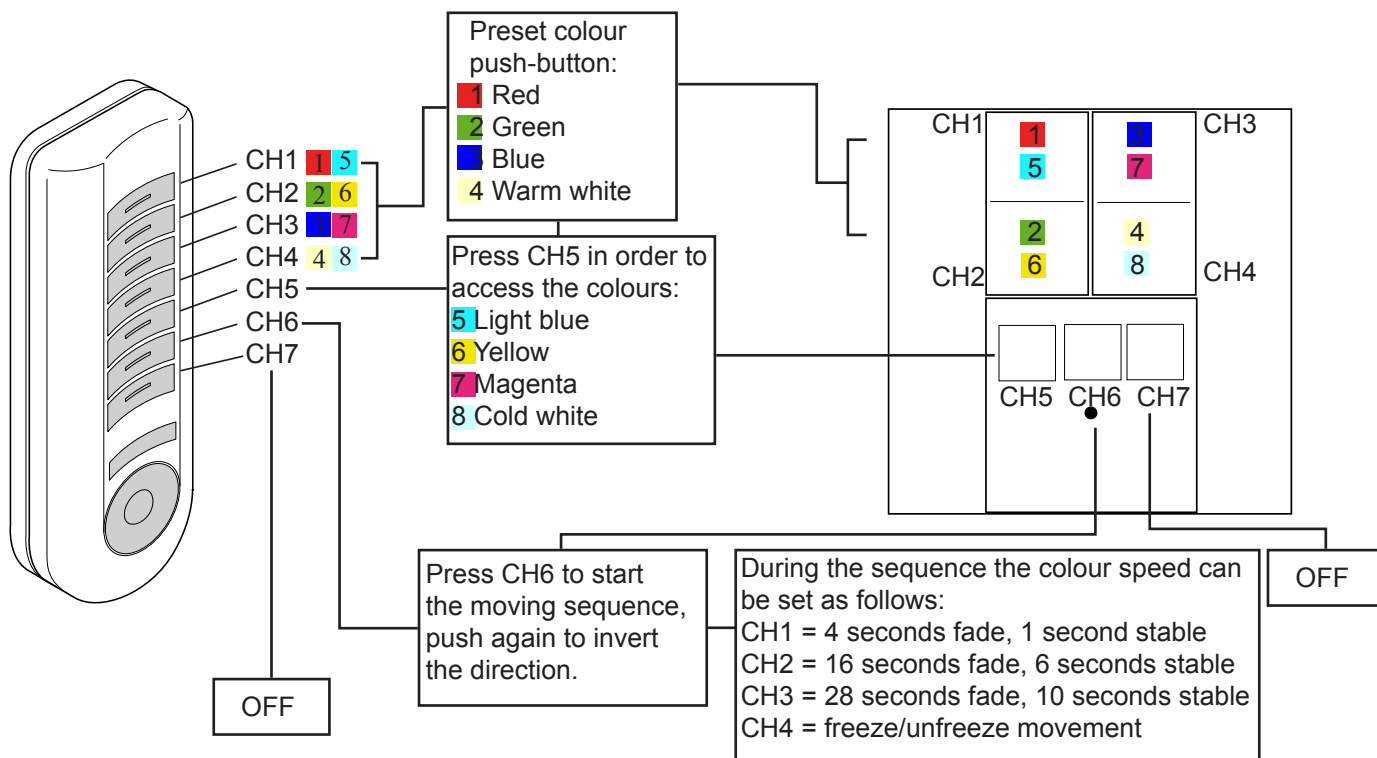
Function available only for 7 or 42 channels transmitter

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

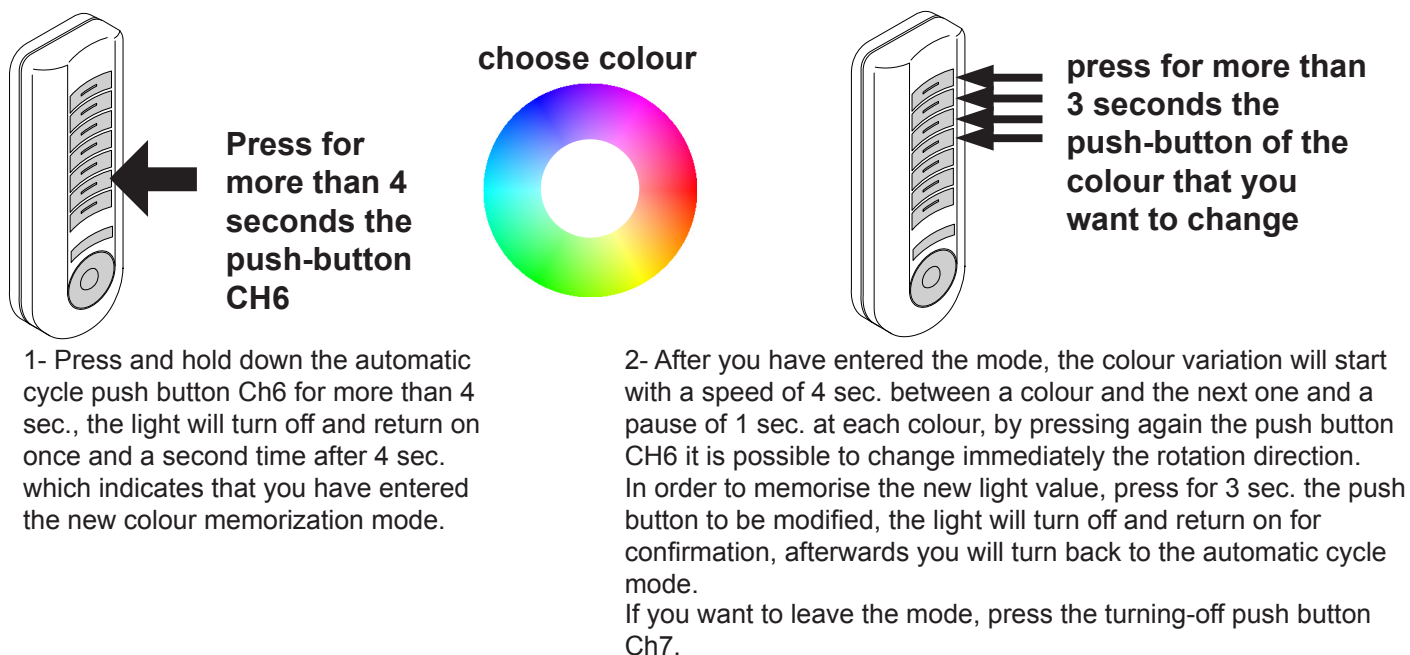
2- During the sound press one push button, of the 7-channel transmitter which has to be memorised, the memorization is indicated by the intermittently sound of the buzzer. All the push-buttons of the transmitter are automatically memorized.

Code Number:	Series		Model number	
TVSRGBWU868ST25	TVLink RS868		T554.02	21/06/13

1.1 - Functioning:



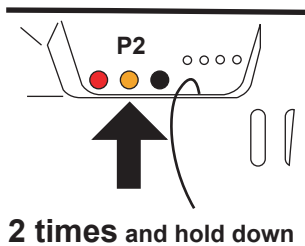
1.2 - How to change the pre-programmed colours in the 8 (4+4) push buttons on the transmitter



Code Number:	Series		Model number	
TVSRGBWU868ST25	TVLink RS868		T554.02	21/06/13

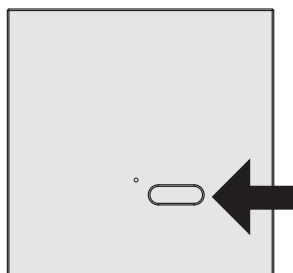
2 - Memorisation of one transmitter push-button with Select Colour function for RGB outputs

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.



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

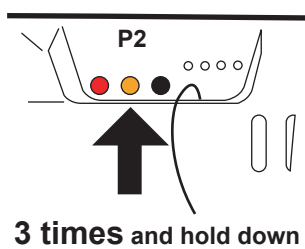
2- During the sound press the push-button which has to be memorised; the memorization is indicated by the intermittently sound of the buzzer.



Function available for all type of transmitters

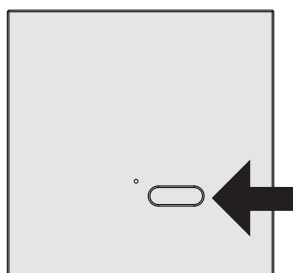
3 - Memorisation of one transmitter push-button with ON function for RGB outputs

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



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

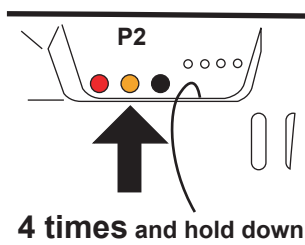
2- During the sound press the push-button which has to be memorised with ON function; the memorization is indicated by the intermittently sound of the buzzer.



Function available for all type of transmitters

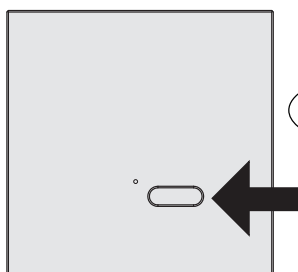
4 - Memorisation of one transmitter push-button with OFF function for RGB outputs

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



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.

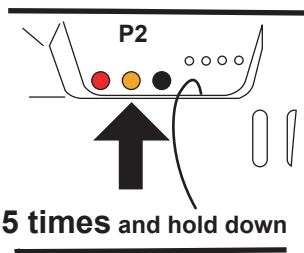


Function available for all type of transmitters

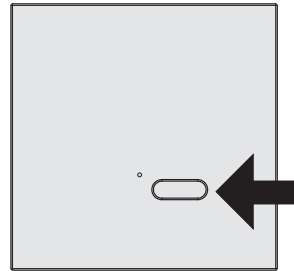
Code Number:	Series		Model number	
TVSRGBWU868ST25	TVLink RS868		T554.02	21/06/13

5 - Memorisation of one transmitter push-button with warm white On/Off/Dim function for RGB outputs

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



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

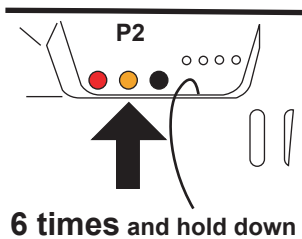


Function available for all type of transmitters

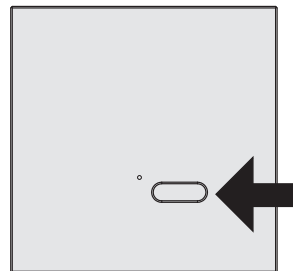
2- During the sound press the push-button which has to be memorised; the memorization is indicated by the intermittently sound of the buzzer.

6 - To memorise one transmitter push-button with cold white On/Off/Dim function for RGB outputs

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



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



Function available for all type of transmitters

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

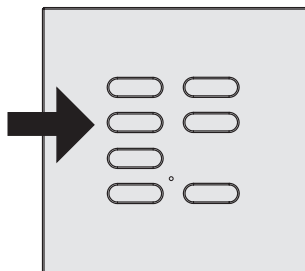
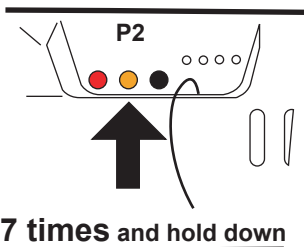
7 - Memorisation of 4-, 7- and 42-channel transmitters with **SCENE** function for RGB outputs

The memorised transmitter displays the programmed scene:

- a) Pushbutton Ch1: Start colour scene 1
- b) Pushbutton Ch2: Start colour scene 2
- c) Pushbutton Ch3: Start colour scene 3
- d) 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).

Code Number:	Series		Model number	
TVSRGBWU868ST25	TVLink RS868		T554.02	21/06/13



Function available for 4, 7 and 42 channels transmitters

1- Press the push button **P2** **seven 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 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.



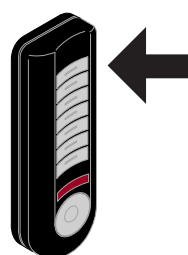
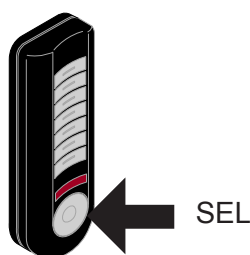
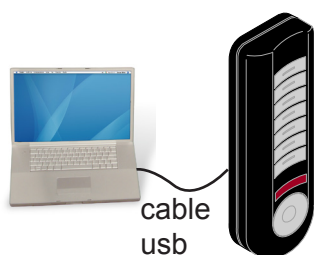
In the 7 and 42 channels transmitter, the push buttons CH5 and CH6 are disabled.

8 - 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 

- 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)

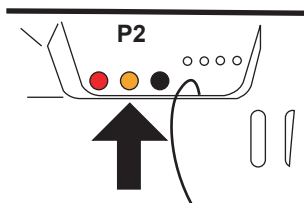
- 8- The Leds connected to the receiver to which you are transmitting the data will glow yellow during transmission and then glow green if the transmission has been successful or red if errors have been detected (in this case repeat the transmission).

Code Number:	Series		Model number	
TVSRGBWU868ST25	TVLink RS868		T554.02	21/06/13

8.1 - Memorize a transmitter button in 7 USB channels.

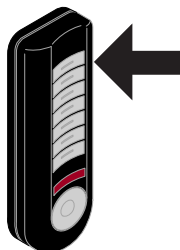
Note. Only when you do not know the receiver's serial number:

- 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.



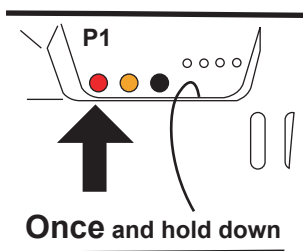
8 times and hold down

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



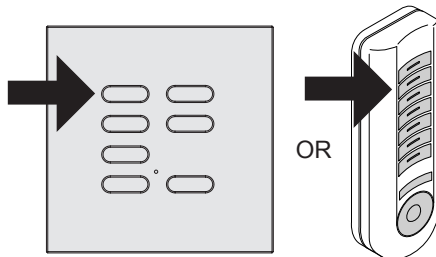
2- During the sound press the push-button which has to be memorised; the memorisation is indicated by the intermittently sound of the buzzer.

9 - Memorisation of 7-channel transmitters for white output



Once and hold down

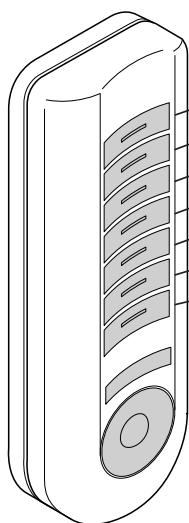
1- Press the push button **P1** **once and hold** it down, the buzzer will make a beep and then sound continuously.



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.

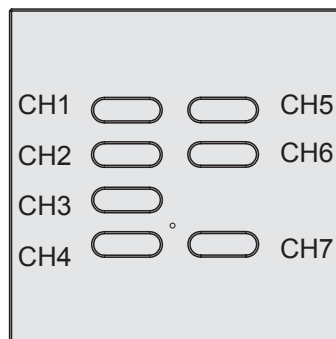
Function available only for 7 or 42 channels transmitter

3.1 - Functioning:



CH1 Luminosity al 100%
CH2 Luminosity al 75%
CH3 Luminosity al 50%
CH4 Luminosity at minimum
CH5 Dim +
CH6 Dim -
CH7 OFF: Turn off the light

Luminosity al 100%
Luminosity al 75%
Luminosity al 50%
Luminosity at min

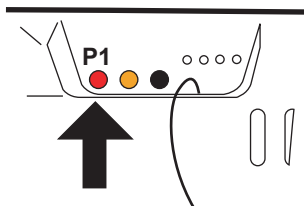


CH5 Dim +
CH6 Dim -
CH7 OFF: Turn off the light

Code Number:	Series		Model number	
TVSRGBWU868ST25	TVLink RS868		T554.02	21/06/13

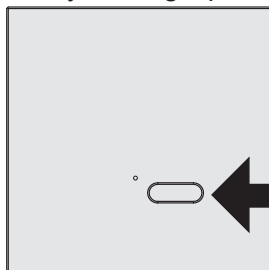
10 - Memorization of one transmitter push-button with On/Off/Dim function for white output

With short impulses (<800 ms.) turn the light on and off, by holding it pressed increase or decrease the intensity.



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.

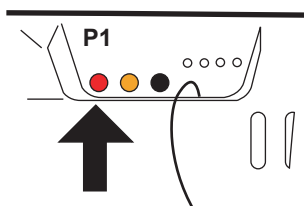


Function available for all type of transmitters

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

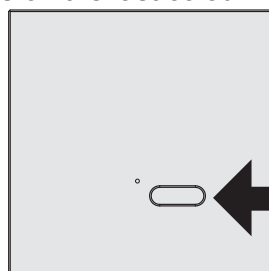
11 - Memorization of one transmitter push-button with ON function for white output

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



3 times and hold down

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

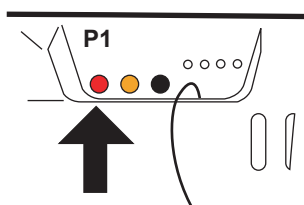


Function available for all type of transmitters

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

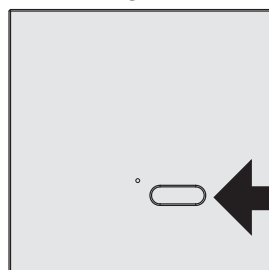
12 - Memorization of one transmitter push-button with OFF function for white output

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



4 times and hold down

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

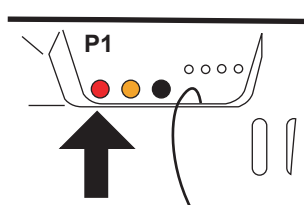


Function available for all type of transmitters

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

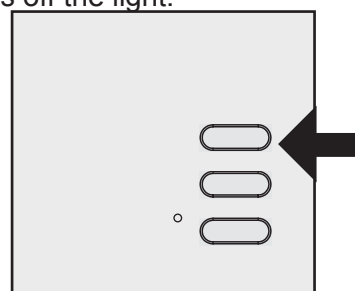
13 - Memorization of 3-channels transmitter for white output

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



5 times and hold down

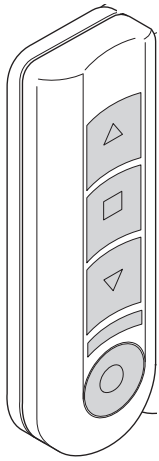
1- Press the push button **P1 five times** and hold it down, the buzzer will make a beep each time and then sound continuously.



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

Code Number:	Series		Model number	
TVSRGBWU868ST25	TVLink RS868		T554.02	21/06/13

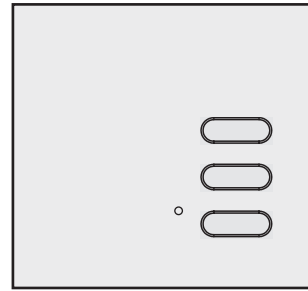
13.1 - Functioning:



CH1 Dim +

CH2 ON/OFF

CH3 Dim -



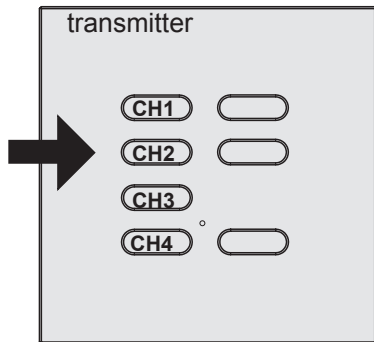
CH1 Dim +

CH2 Dim -

CH3 ON/OFF

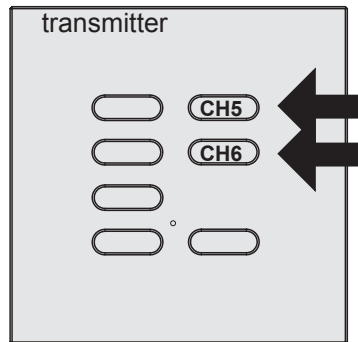
14 - To change the level of the pre set light intensity of the 4 push button of the 7-channel transmitter for white output

A 7-channel transmitter memorised on one dimmer receiver



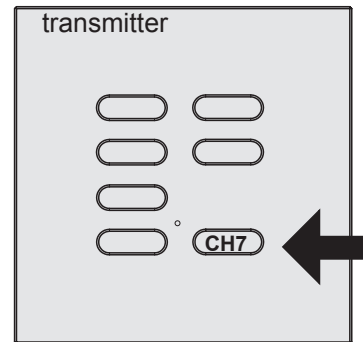
press the button to be modified

1- Press the push button to be modified.



adjust new light value

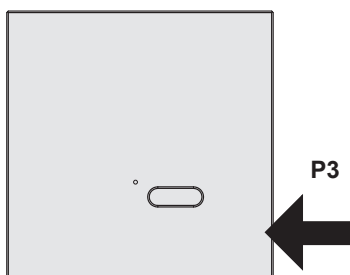
2- Adjust the new value with the two push buttons Ch5 Ch6.



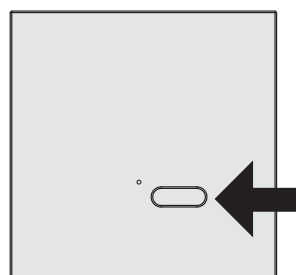
press and hold more than 5s

3- Hold down the CH7 push button for 5 sec., after 5 sec. the led 1 turns on for 5 sec. and the load will turn on at the new value.

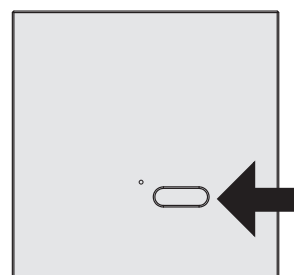
15 - To copy a function of transmitter push-button to a new transmitter



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.

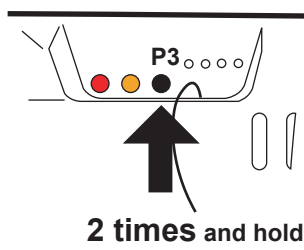


3- During the sound press the push-button of the **new transmitter** which has to be memorised; the memorization is indicated by the intermittently sound of the buzzer.

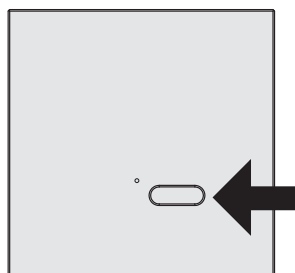
Function available for all type of transmitters

Code Number:	Series		Model number	
TVSRGBWU868ST25	TVLink RS868		T554.02	21/06/13

16 - To delete a transmitter

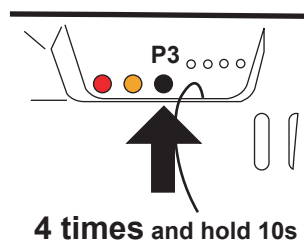


1- Press the push button **P3 two times and hold** it down, the buzzer will make a beep each time and then sound slowly and intermittently.



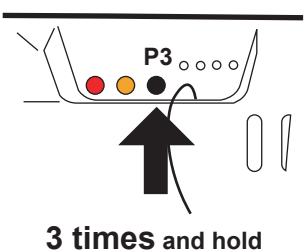
2- During the sound press the push-button which has to be deleted; the deletion is indicated by the continuously sound of the buzzer.

16.1 - To delete all transmitter

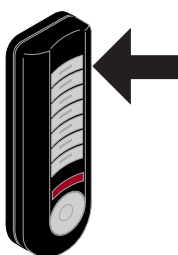


1- Press the push button **P3 four times and hold** it down, the buzzer will make a beep each time and then sound quickly and intermittently.
2- Hold down the push button for 10 sec., after this 10 sec. the buzzer will sound continuously by indicating that the whole memory has been cancelled.

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



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

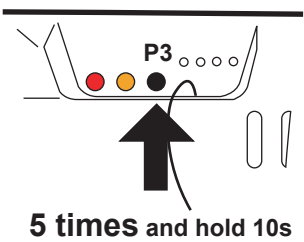


2- During the sound press the push-button which has to be deleted; the deletion is indicated by the continuously sound of the buzzer.



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

17.1 - To delete all 7-channels USB transmitter



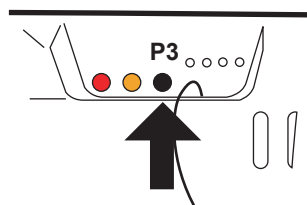
1- Press the push button **P3 five times and hold** it down, the buzzer will make a beep each time and then sound quickly and intermittently.
2- Hold down the push button for 10 sec., after this 10 sec. the buzzer will sound continuously by indicating that the whole memory has been cancelled.



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

Code Number:	Series		Model number	
TVSRGBWU868ST25	TVLink RS868		T554.02	21/06/13

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

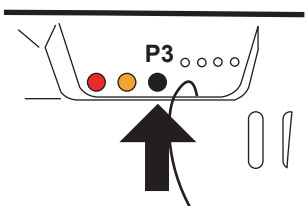


6 times and hold 10s

- 1- Push the push button **P3 six 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.

19 - Colour settings reset

This procedure will restore the default color settings



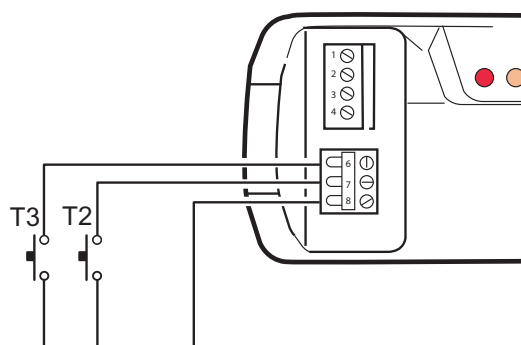
1 time and hold 10s

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

20 - Functioning with manual push buttons in the Master receiver



The Master receiver has two manual push buttons for wired command with the following functions:

a) push button T2 for RGB outputs

With short impulses (<800ms) 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.

b) push button T3 for white output

The push button has the following functions:

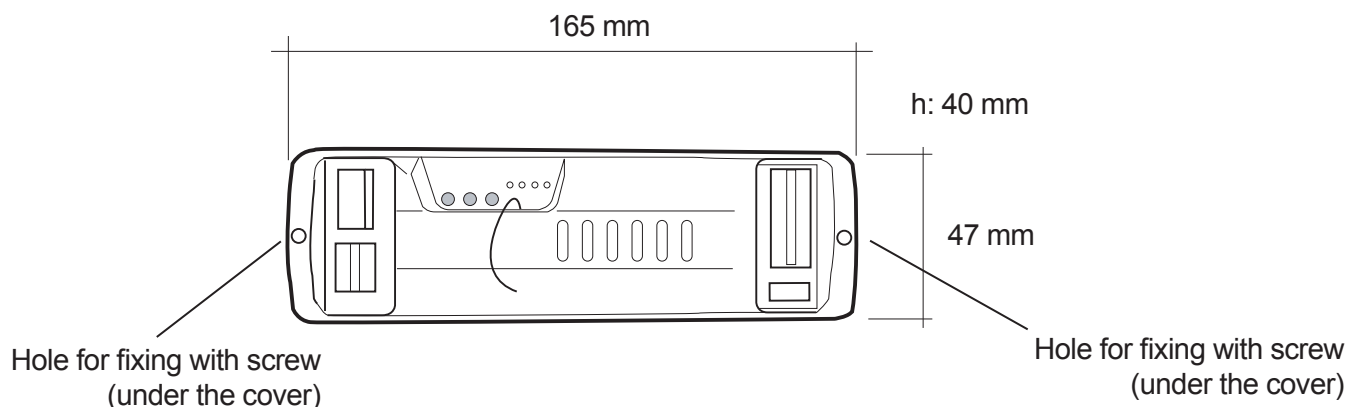
Short impulse (< 800mS) = ON/OFF

Long impulse (> 800mS) = adjusting upgrade or downgrade.

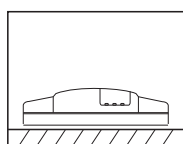
Attention: when it arrives on max. or min. it will stop (time range 7 sec.)

Code Number:	Series		Model number	
TVSRGBWU868ST25	TVLink RS868		T554.02	21/06/13

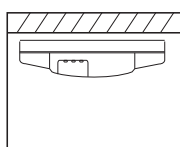
Mounting



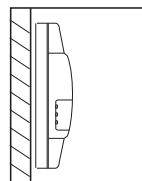
Flat surface
mounting



Ceiling
mounting



Wall mounting



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.

In the view of a constant development of their products, the manufacturer reserves the right for changing technical data and features without prior notice.

Hereby Teleco automation s.r.l. declares that the TVSRGBWU868ST25 complies with the essential requirements and other relevant provisions, established by the Directive 1999/5/EC.

The declaration of conformity can be consulted inside the web site: www.telecoautomation.com/ce.

TECHNICAL SPECIFICATIONS

-Power supply 12 Vdc to 24 Vdc
 -Max. power for each output 4 x 2.5A
 -Cable sections in input 2,5 mm² with maximum load
 The connection cables must have a section suitable to the maximum load applied to the output, and to the additional devices connected to the input.

-Reception frequency 868.3 MHz
 -Intermediate frequency IF 10.7 MHz
 -Sensibility (finely tuned signal) 1 µV
 -Operating temperature range -20° - +50°C

- Possibility to memorise up to 42 standard transmitters.

Code Number:	Series		Model number	
TVSRGBWU868ST25	TVLink RS868		T554.02	21/06/13